

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112855.D
 Acq On : 5 Mar 2019 15:05
 Operator : JU/SJ
 Sample : K1700-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-21841-21842

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.093	165	171	188	rBV	187892	344334	11.52%	0.462%
2	3.622	254	261	270	rVB	227827	395616	13.23%	0.531%
3	5.140	508	519	528	rVB2	45279	126219	4.22%	0.169%
4	5.322	546	550	552	rBV	98955	115052	3.85%	0.154%
5	5.351	552	555	563	rVV	1534381	1452916	48.59%	1.951%
6	5.534	576	586	588	rVV4	155922	412802	13.81%	0.554%
7	6.063	672	676	684	rVB6	74831	117542	3.93%	0.158%
8	6.251	704	708	710	rBV2	92812	130378	4.36%	0.175%
9	6.275	710	712	715	rBV	157194	112046	3.75%	0.150%
10	6.351	721	725	726	rBV	191907	165046	5.52%	0.222%
11	6.375	726	729	734	rBV2	959804	975434	32.62%	1.310%
12	6.434	736	739	742	rBV	234474	278623	9.32%	0.374%
13	6.516	748	753	756	rVB	2805534	2989864	100.00%	4.014%
14	6.575	758	763	765	rBV	557883	491121	16.43%	0.659%
15	6.598	765	767	771	rVV	200667	175156	5.86%	0.235%
16	6.745	788	792	795	rBV	1057261	879078	29.40%	1.180%
17	6.810	800	803	808	rBV3	640306	1005916	33.64%	1.350%
18	6.904	808	819	821	rVV	2644804	2656753	88.86%	3.567%
19	6.928	821	823	831	rVB	235151	216503	7.24%	0.291%
20	6.998	832	835	838	rBV2	141366	133190	4.45%	0.179%
21	7.028	838	840	844	rVB2	230928	216068	7.23%	0.290%
22	7.069	844	847	850	rBV2	408637	385521	12.89%	0.518%
23	7.151	854	861	864	rBV3	816003	1154919	38.63%	1.551%
24	7.216	869	872	874	rBV	326970	381671	12.77%	0.512%
25	7.239	874	876	878	rBV	272961	294511	9.85%	0.395%
26	7.269	878	881	882	rVB	879006	875772	29.29%	1.176%
27	7.304	882	887	894	rVB2	2032714	2310740	77.29%	3.102%
28	7.357	894	896	899	rVB	552490	400071	13.38%	0.537%
29	7.398	899	903	906	rVB4	142950	218880	7.32%	0.294%
30	7.434	906	909	911	rBV	296273	278156	9.30%	0.373%
31	7.522	911	924	925	rBV	1206689	2589487	86.61%	3.476%
32	7.545	926	928	932	rBV	709575	1048480	35.07%	1.408%
33	7.663	945	948	951	rVB4	277694	236374	7.91%	0.317%
34	7.692	951	953	957	rVB3	273570	316545	10.59%	0.425%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112855.D
 Acq On : 5 Mar 2019 15:05
 Operator : JU/SJ
 Sample : K1700-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-21841-21842

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.769	961	966	969	rBV3	992153	1410074	47.16%	1.893%
36	7.798	969	971	974	rVB3	309402	322170	10.78%	0.433%
37	7.839	974	978	979	rBV2	525440	511715	17.11%	0.687%
38	7.933	992	994	996	rVB	1860002	1290444	43.16%	1.732%
39	7.975	998	1001	1002	rBV2	199702	164062	5.49%	0.220%
40	7.992	1002	1004	1006	rVB	218142	143143	4.79%	0.192%
41	8.028	1006	1010	1012	rBV	1642001	1646073	55.06%	2.210%
42	8.045	1012	1013	1017	rVB2	613978	478027	15.99%	0.642%
43	8.081	1017	1019	1021	rBV3	116386	132920	4.45%	0.178%
44	8.104	1021	1023	1026	rBV2	245671	198973	6.65%	0.267%
45	8.198	1034	1039	1042	rBV4	715228	1077067	36.02%	1.446%
46	8.251	1042	1048	1051	rVV5	364692	628230	21.01%	0.843%
47	8.304	1054	1057	1060	rVV5	670311	884192	29.57%	1.187%
48	8.345	1061	1064	1068	rVV6	297067	536562	17.95%	0.720%
49	8.386	1068	1071	1073	rVV3	311437	335822	11.23%	0.451%
50	8.416	1073	1076	1080	rVV5	407282	536009	17.93%	0.720%
51	8.463	1081	1084	1085	rVV	808254	798840	26.72%	1.072%
52	8.504	1089	1091	1093	rVV2	486007	554106	18.53%	0.744%
53	8.533	1093	1096	1099	rVV4	609992	751645	25.14%	1.009%
54	8.563	1099	1101	1106	rVV3	147905	181130	6.06%	0.243%
55	8.633	1108	1113	1115	rVV2	811083	852899	28.53%	1.145%
56	8.663	1116	1118	1120	rVV2	178448	136772	4.57%	0.184%
57	8.686	1120	1122	1125	rVB2	214820	186822	6.25%	0.251%
58	8.722	1126	1128	1131	rVV2	221390	180891	6.05%	0.243%
59	8.786	1137	1139	1143	rVB3	275964	298024	9.97%	0.400%
60	8.851	1148	1150	1155	rVB5	361425	427156	14.29%	0.573%
61	8.898	1155	1158	1159	rBV2	193527	234455	7.84%	0.315%
62	9.028	1175	1180	1182	rBV	1942626	2368685	79.22%	3.180%
63	9.104	1189	1193	1196	rVB	3102064	2700661	90.33%	3.626%
64	9.151	1198	1201	1204	rVB2	319424	333288	11.15%	0.447%
65	9.198	1205	1209	1212	rBV	952386	1015770	33.97%	1.364%
66	9.445	1249	1251	1255	rBV4	253470	263284	8.81%	0.353%
67	9.722	1296	1298	1303	rBV	930340	837552	28.01%	1.124%
68	9.775	1304	1307	1311	rVB	917536	1038460	34.73%	1.394%
69	9.945	1333	1336	1341	rBV4	721069	1156505	38.68%	1.553%
70	10.222	1380	1383	1386	rBV2	1103996	910679	30.46%	1.223%
71	10.357	1404	1406	1410	rVV3	310599	342499	11.46%	0.460%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
 Data File : BF112855.D
 Acq On : 5 Mar 2019 15:05
 Operator : JU/SJ
 Sample : K1700-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-21841-21842

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.404	1410	1414	1417	rVV	1064925	1237365	41.39%	1.661%
73	10.445	1418	1421	1424	rVB	554788	557599	18.65%	0.749%
74	10.563	1438	1441	1445	rVB	1751790	1650954	55.22%	2.216%
75	10.692	1460	1463	1465	rBV	1130783	1129822	37.79%	1.517%
76	10.904	1497	1499	1505	rVB6	416734	676651	22.63%	0.908%
77	11.139	1537	1539	1541	rBV	575046	446096	14.92%	0.599%
78	11.169	1542	1544	1549	rVB	728929	847020	28.33%	1.137%
79	11.222	1550	1553	1556	rBV3	540828	630597	21.09%	0.847%
80	11.257	1556	1559	1562	rVB2	865579	781311	26.13%	1.049%
81	11.322	1568	1570	1573	rVB2	489655	480531	16.07%	0.645%
82	11.569	1609	1612	1613	rBV	470825	452423	15.13%	0.607%
83	11.592	1613	1616	1619	rVB2	684754	781554	26.14%	1.049%
84	11.816	1651	1654	1659	rVB2	693696	793680	26.55%	1.066%
85	11.933	1672	1674	1678	rVB	429869	368257	12.32%	0.494%
86	11.974	1678	1681	1684	rBV	417574	391792	13.10%	0.526%
87	12.357	1744	1746	1750	rVB	430373	355944	11.91%	0.478%
88	12.586	1783	1785	1790	rVB	549594	537686	17.98%	0.722%
89	12.733	1806	1810	1813	rBV2	1015482	1006524	33.66%	1.351%
90	12.839	1824	1828	1834	rBV	2831417	2555382	85.47%	3.431%
91	13.886	2002	2006	2009	rVB2	1097022	1038503	34.73%	1.394%
92	14.368	2085	2088	2093	rVB2	514431	716601	23.97%	0.962%
93	14.527	2111	2115	2121	rBV	1020559	1539716	51.50%	2.067%
94	14.574	2121	2123	2130	rVB3	438615	632345	21.15%	0.849%
95	15.162	2220	2223	2227	rVB	599324	711100	23.78%	0.955%
96	15.227	2231	2234	2240	rVB3	465007	756917	25.32%	1.016%
97	15.298	2243	2246	2250	rBV	741734	797425	26.67%	1.071%
98	15.515	2279	2283	2290	rBV	695097	965970	32.31%	1.297%
99	16.392	2427	2432	2441	rVB2	706191	1330163	44.49%	1.786%
100	16.921	2518	2522	2528	rVB	321192	569193	19.04%	0.764%

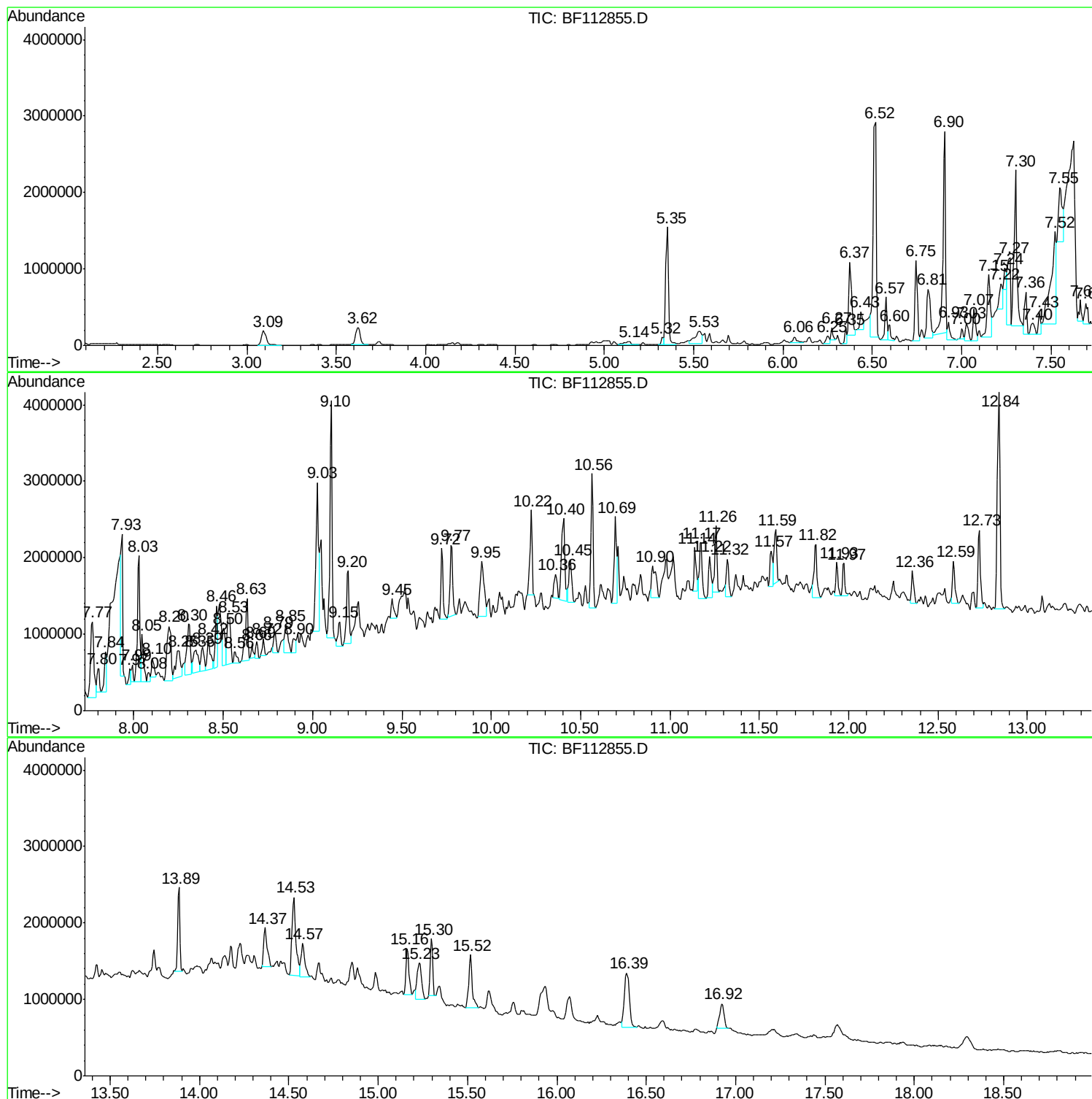
Sum of corrected areas: 74485511

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

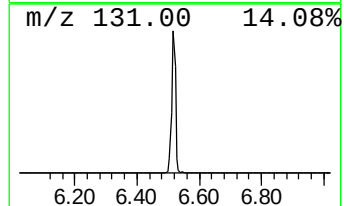
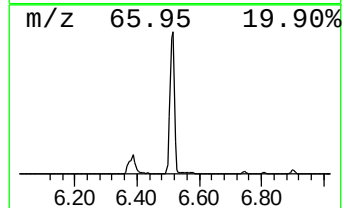
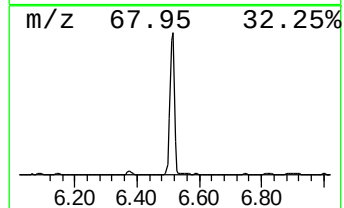
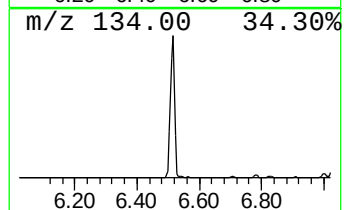
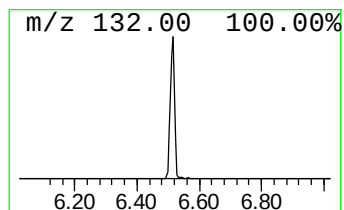
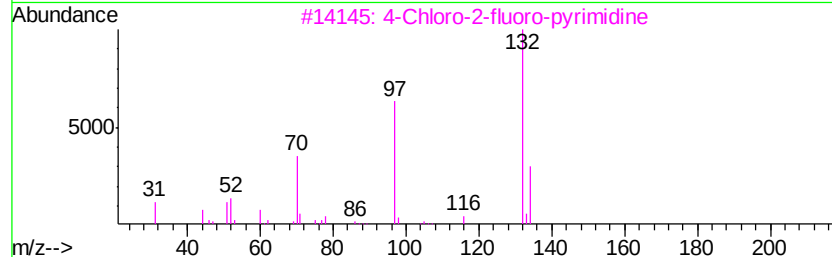
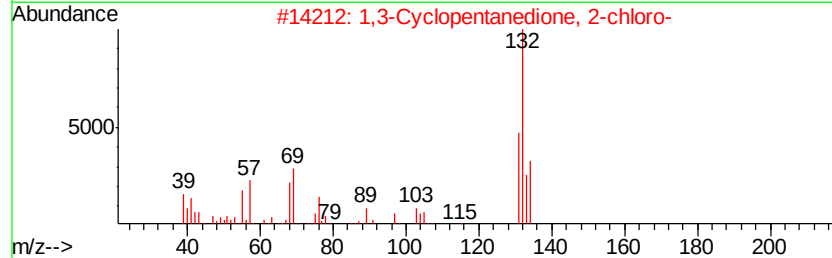
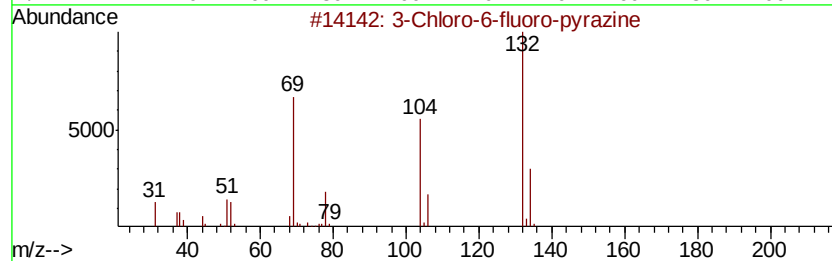
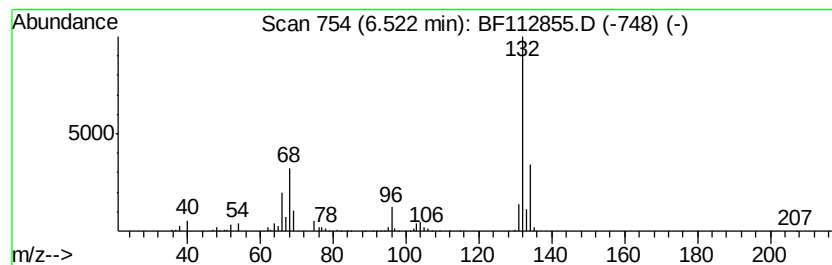
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	68.02 ng	2989860	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

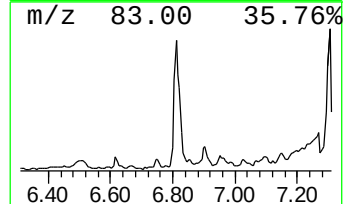
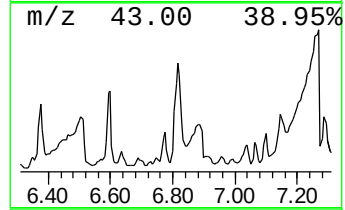
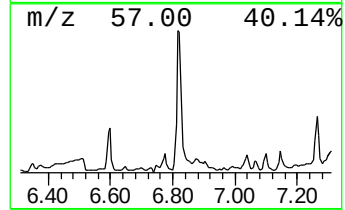
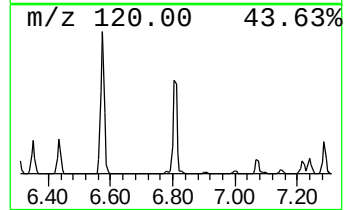
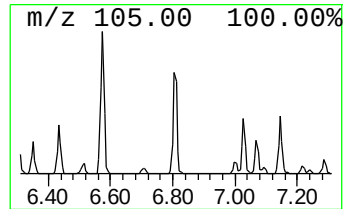
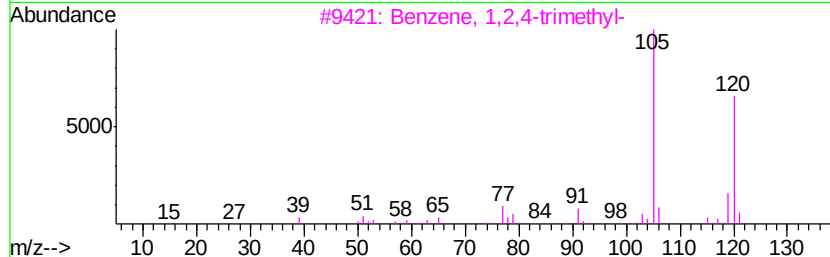
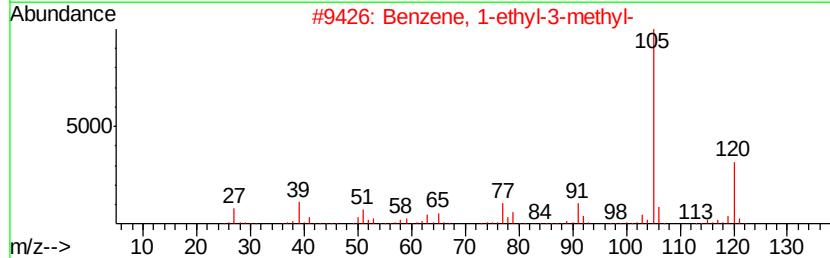
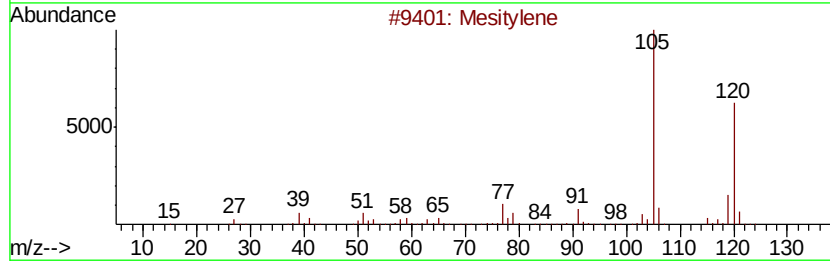
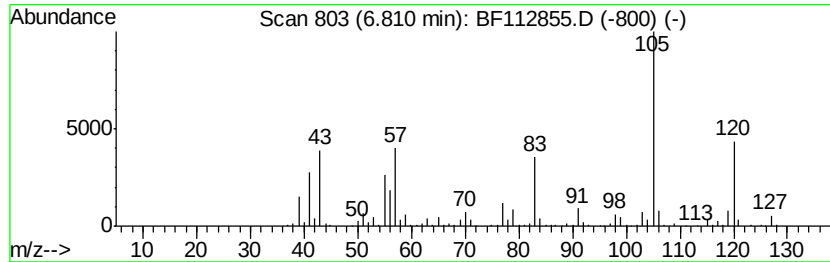
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Mesitylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	22.89 ng	1005920	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mesitylene	120	C9H12	000108-67-8	86
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	70
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

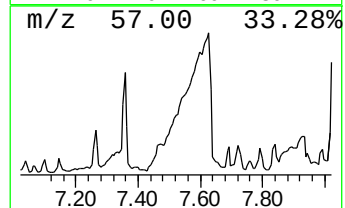
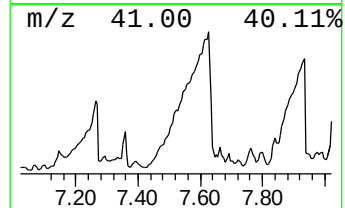
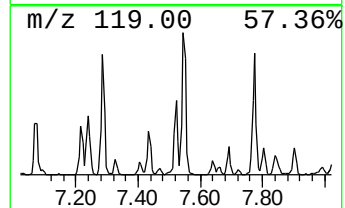
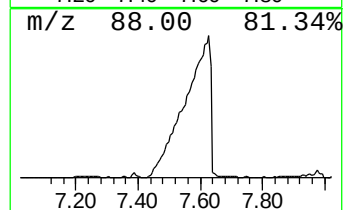
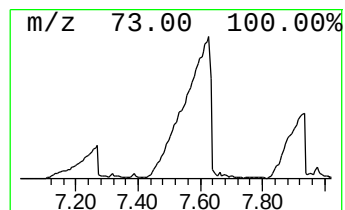
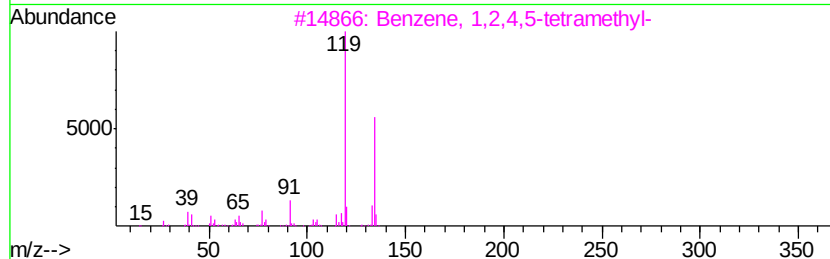
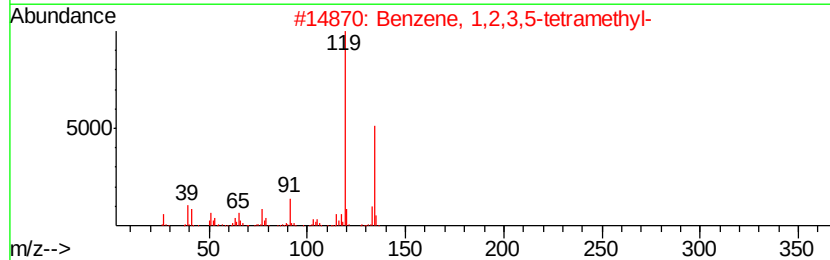
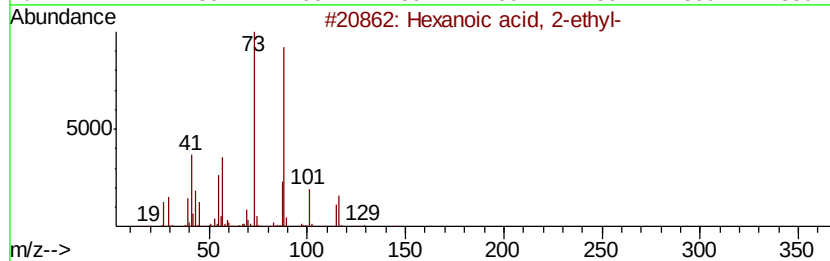
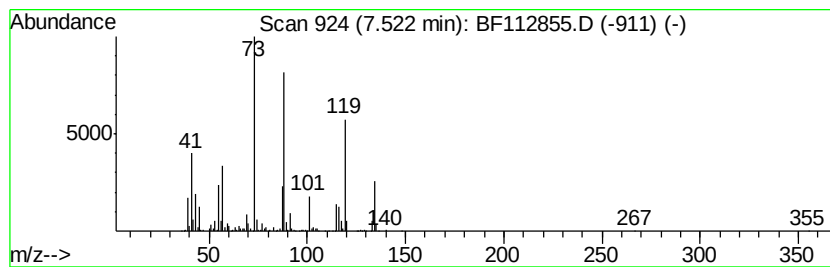
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	31.46 ng	2589490	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	52
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	35
5		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

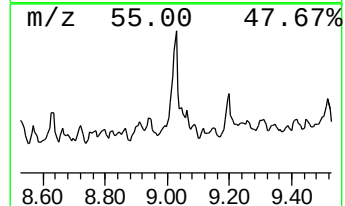
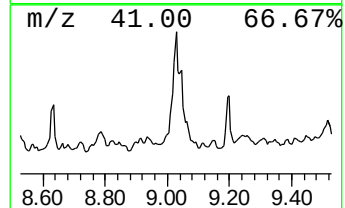
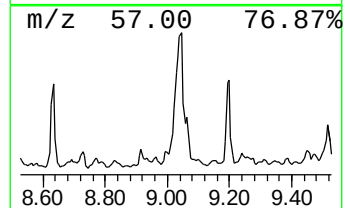
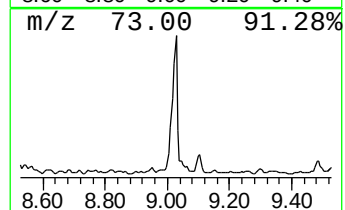
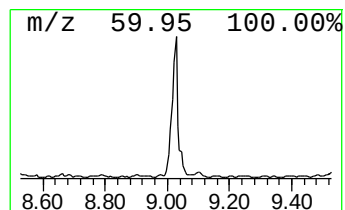
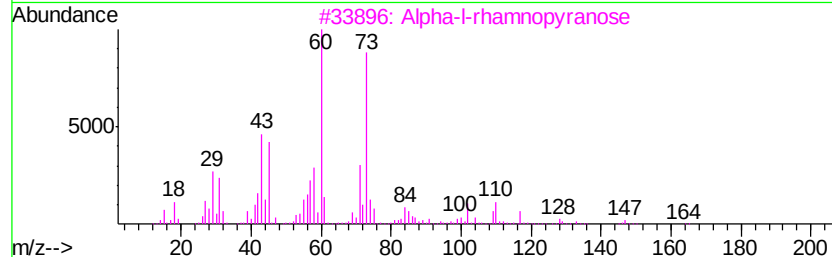
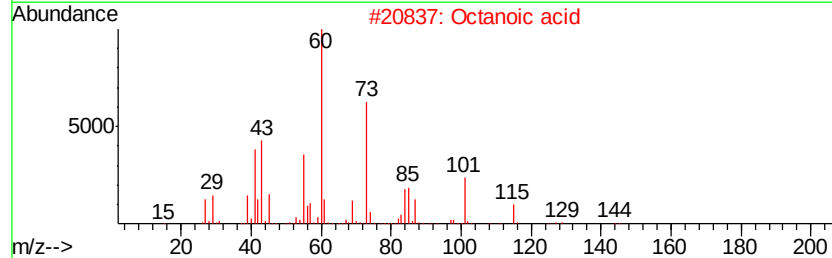
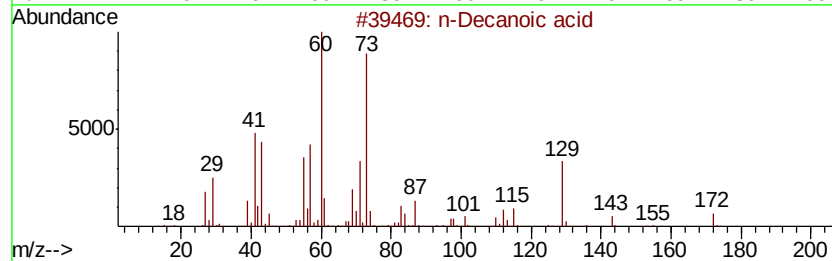
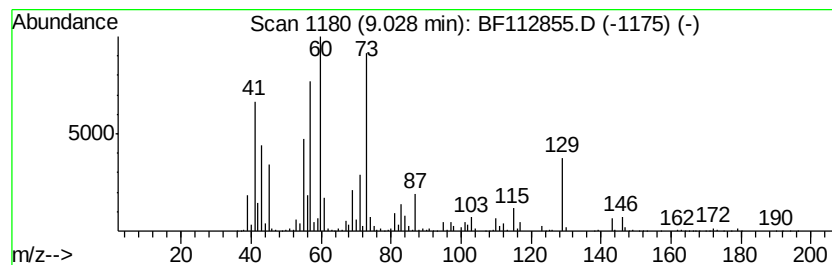
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Decanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	45.62 ng	2368690	Acenaphthene-d10	9.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Decanoic acid	172	C10H20O2	000334-48-5	53
2		Octanoic acid	144	C8H16O2	000124-07-2	52
3		Alpha-l-rhamnopyranose	164	C6H12O5	035810-56-1	50
4		Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	47
5		Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

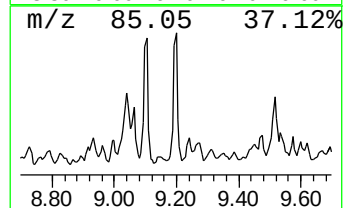
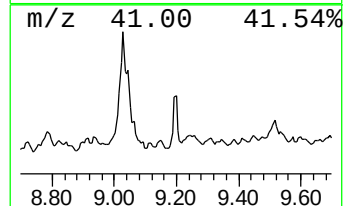
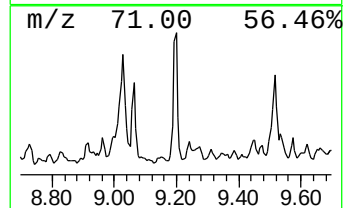
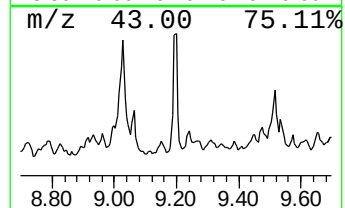
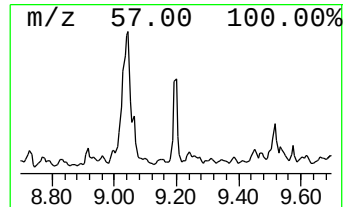
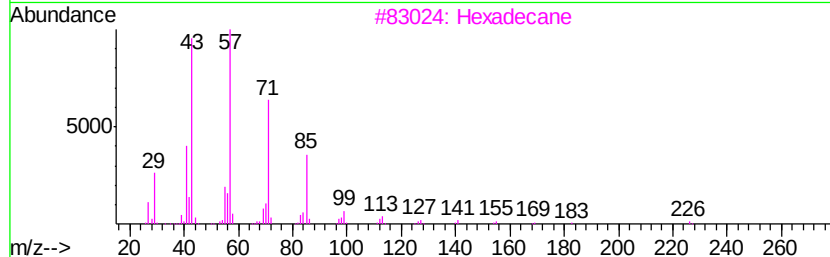
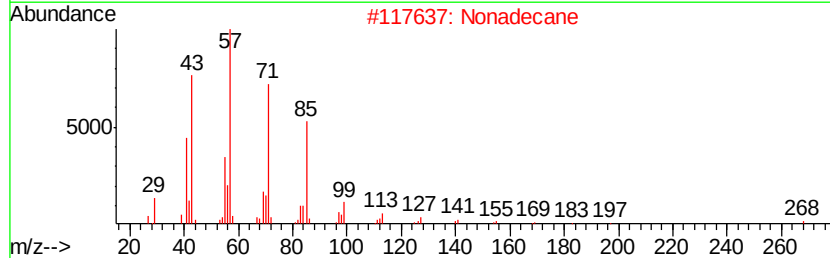
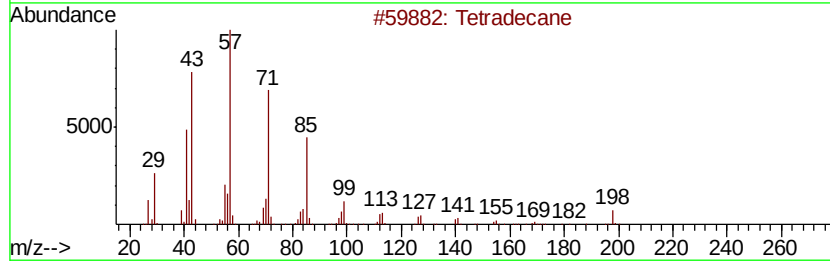
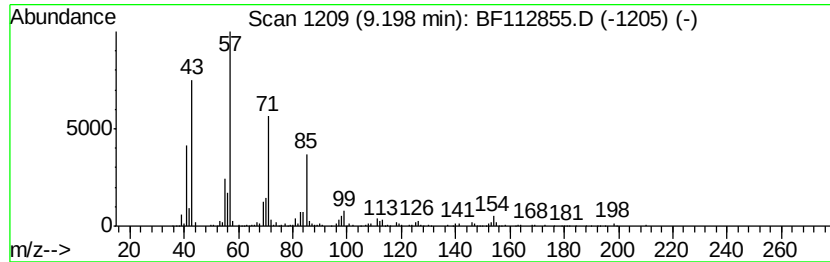
Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.20	19.56 ng	1015770	Acenaphthene-d10	9.77	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Nonadecane	268	C19H40	000629-92-5	83
3	Hexadecane	226	C16H34	000544-76-3	80
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	9-methylheptadecane	254	C18H38	026741-18-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

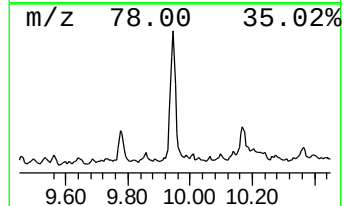
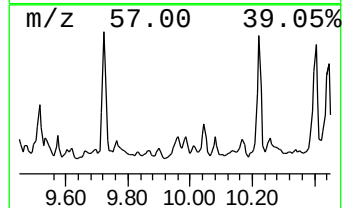
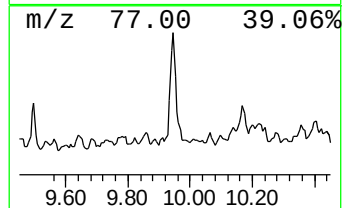
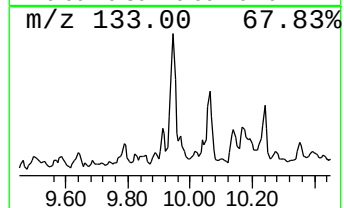
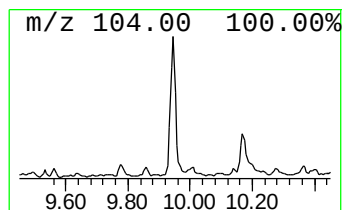
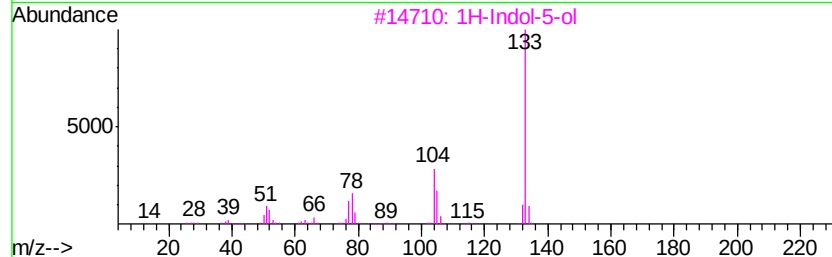
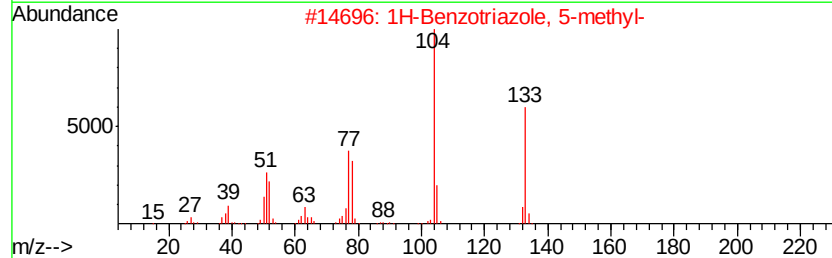
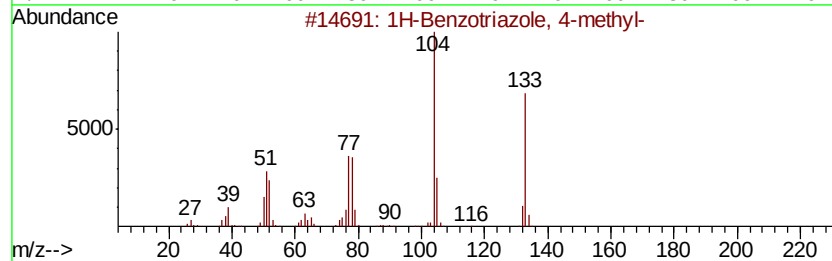
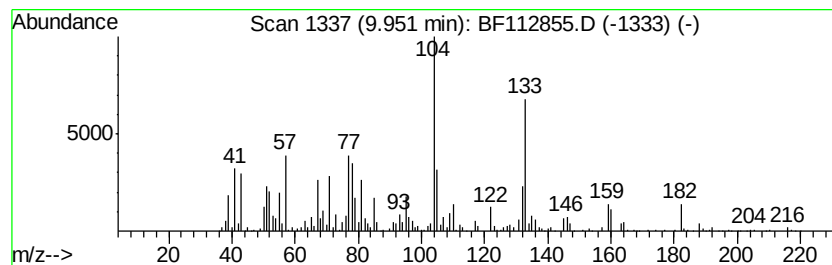
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1H-Benzotriazole, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	22.27 ng	1156510	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	94
2		1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	93
3		1H-Indol-5-ol	133	C8H7NO	001953-54-4	64
4		2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	62
5		2-Pyridinecarbonitrile	104	C6H4N2	000100-70-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

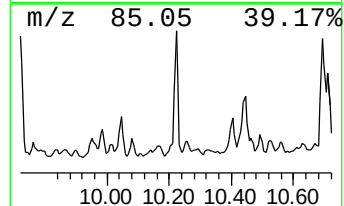
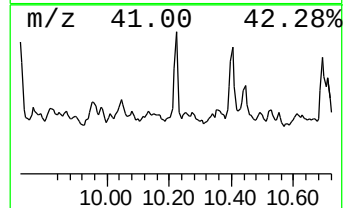
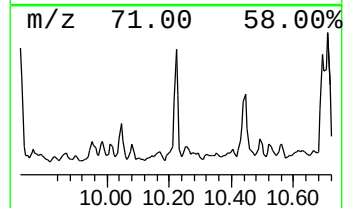
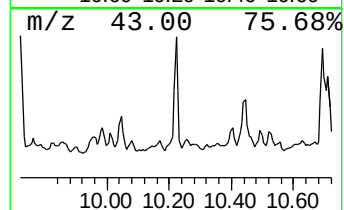
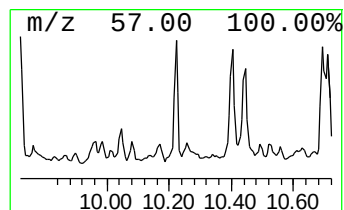
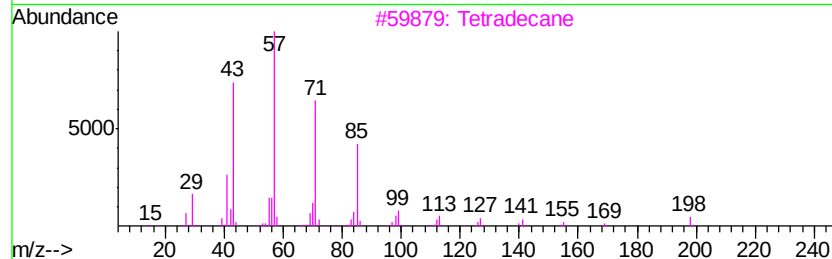
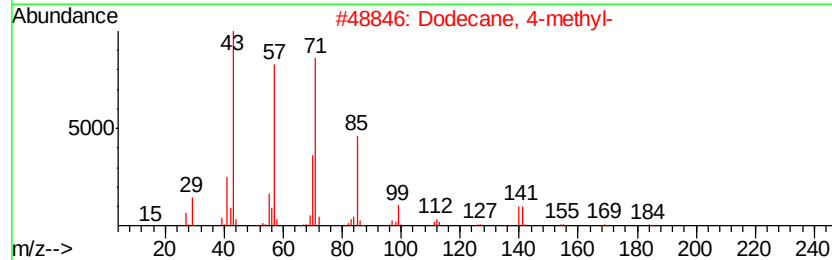
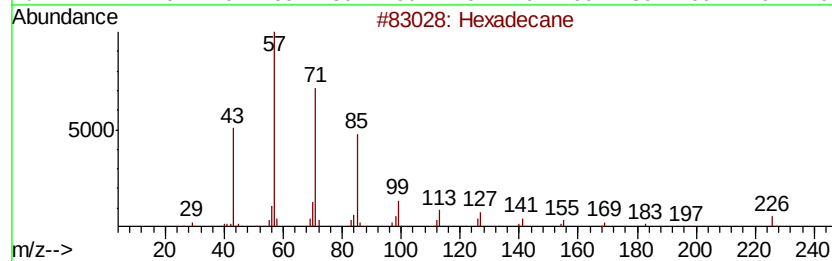
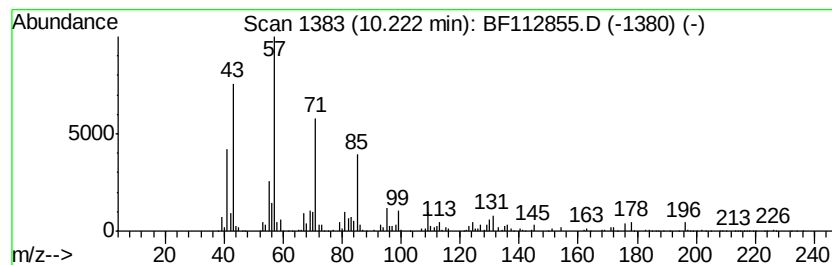
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	17.54 ng	910679	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	76
2		Dodecane, 4-methyl-	184	C13H28	006117-97-1	64
3		Tetradecane	198	C14H30	000629-59-4	64
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
5		Heptacosane	380	C27H56	000593-49-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

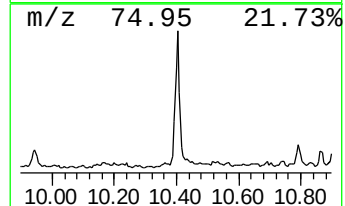
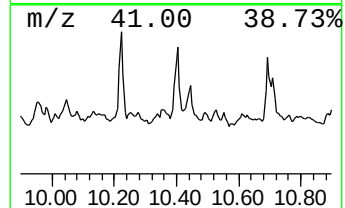
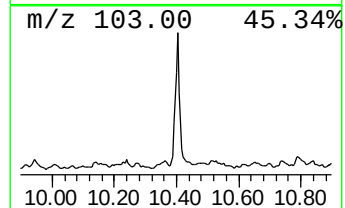
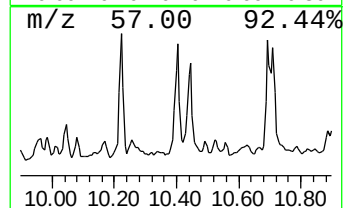
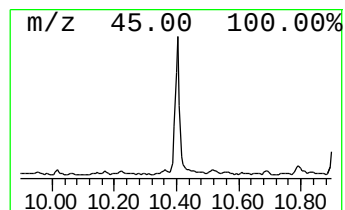
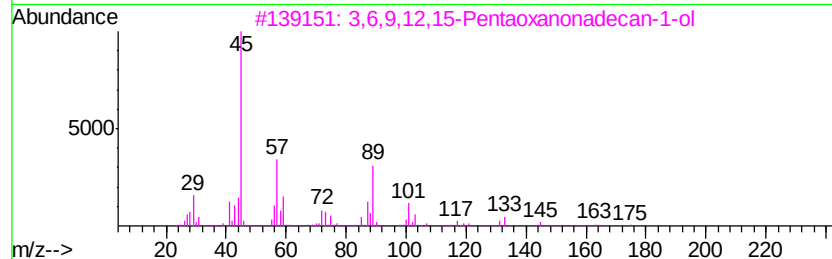
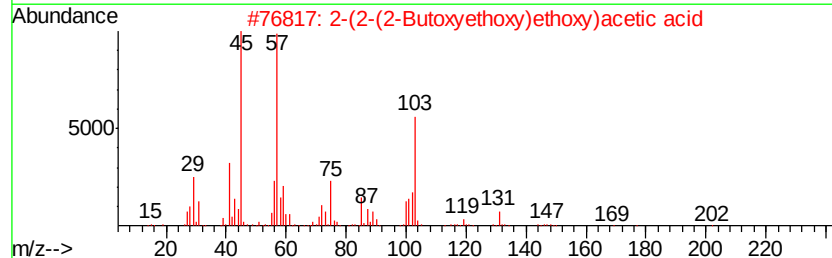
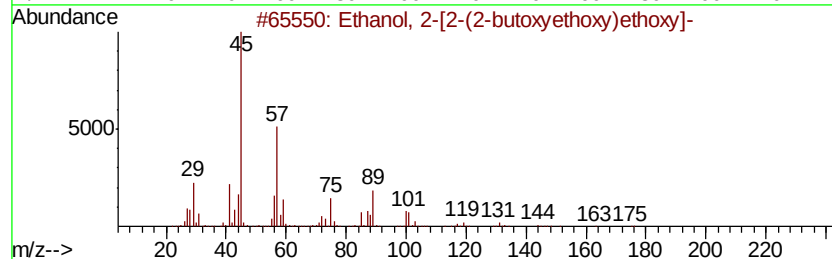
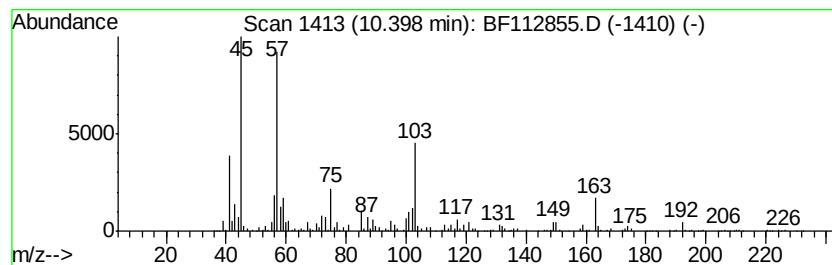
Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown10.40 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.40	23.83 ng	1237370	Acenaphthene-d10		9.77
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	47
2	2-(2-(2-Butoxyethoxy)ethoxy)acet...	220	C10H20O5	1000366-77-1	46
3	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	38
4	Hexane, 1-(methoxymethoxy)-	146	C8H18O2	066675-06-7	38
5	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

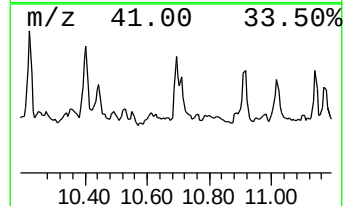
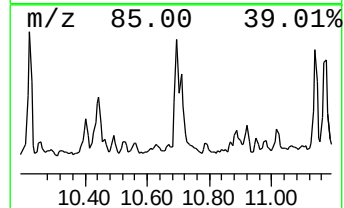
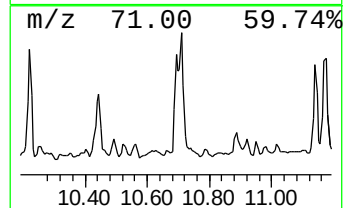
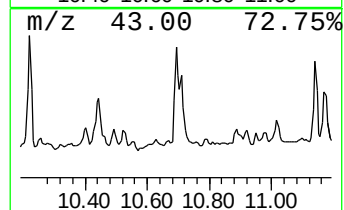
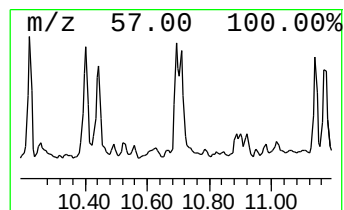
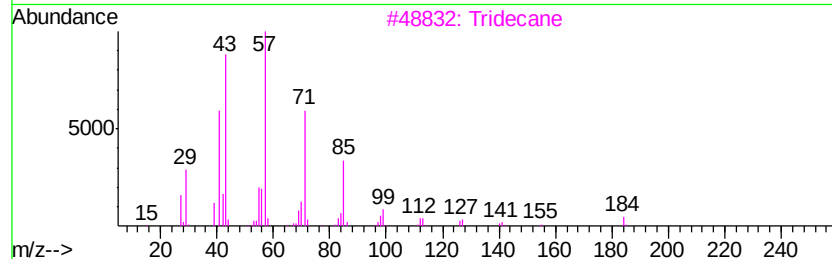
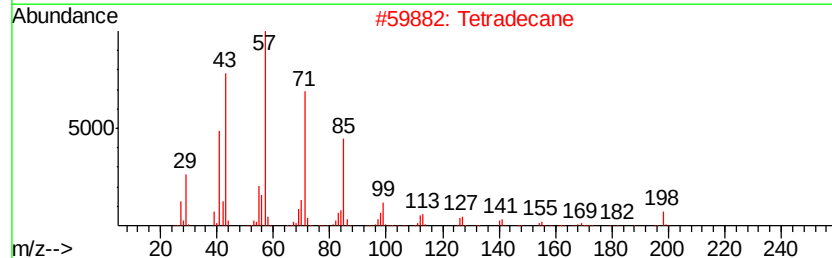
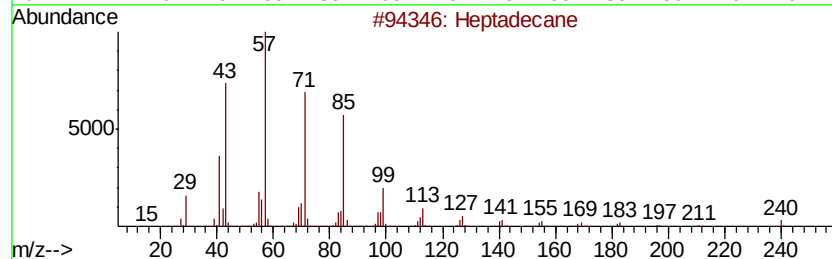
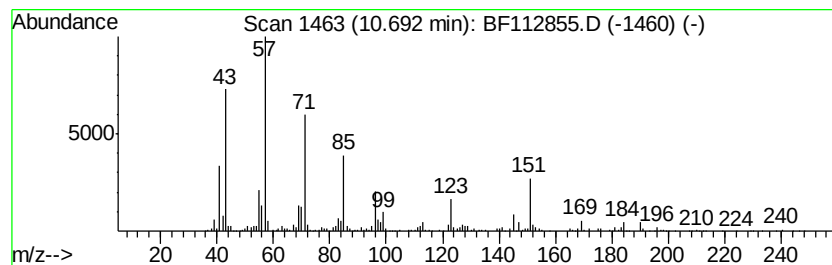
Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	28.92 ng	1129820	Phenanthrene-d10	11.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane	240 C17H36	000629-78-7	92
2	Tetradecane	198 C14H30	000629-59-4	83
3	Tridecane	184 C13H28	000629-50-5	70
4	Tetradecane, 2,6,10-trimethyl-	240 C17H36	014905-56-7	60
5	Octacosane	394 C28H58	000630-02-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

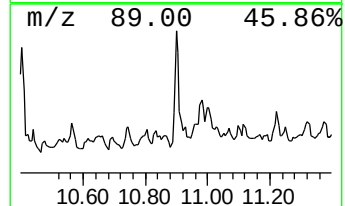
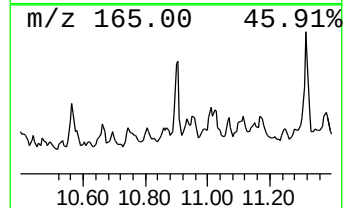
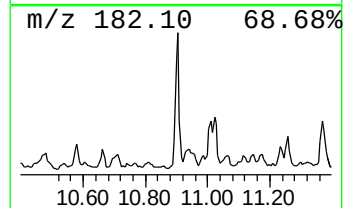
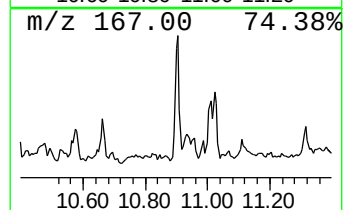
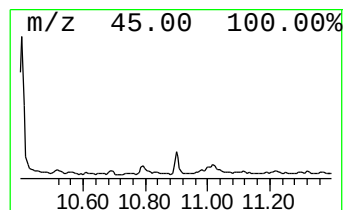
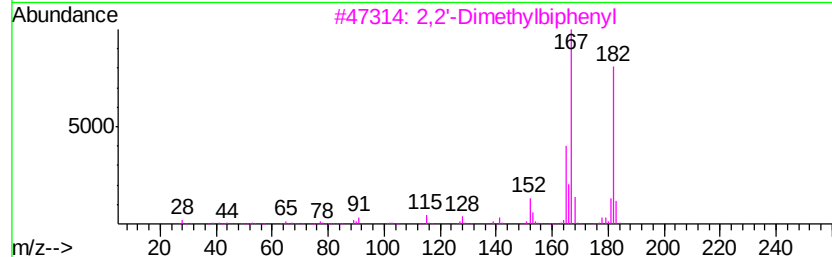
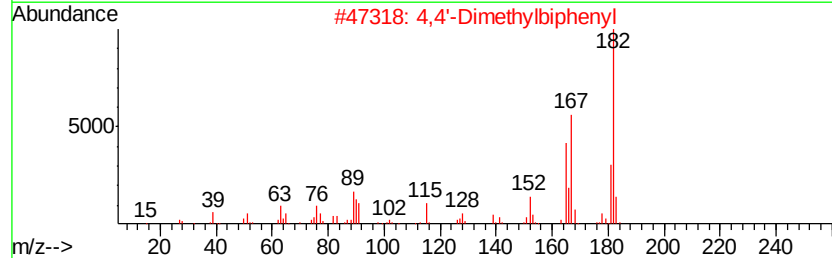
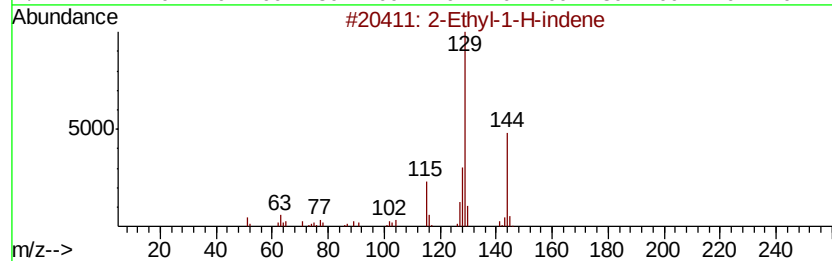
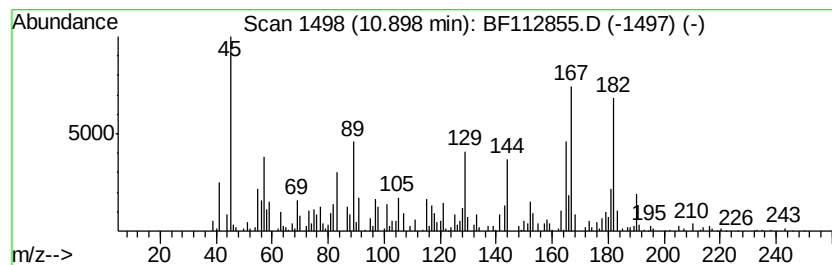
Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 2-Ethyl-1-H-indene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.90	17.32 ng	676651	Phenanthrene-d10	11.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	55
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	47
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	42
4	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	38
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

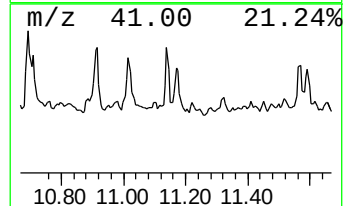
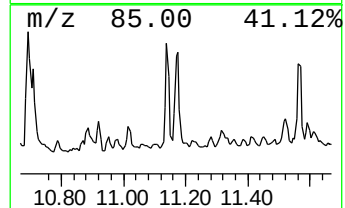
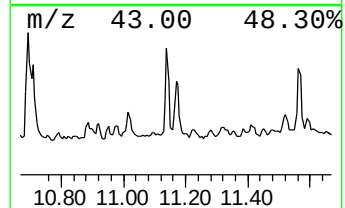
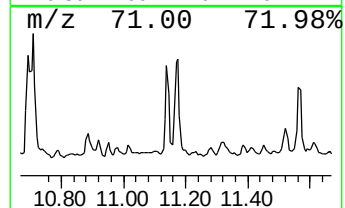
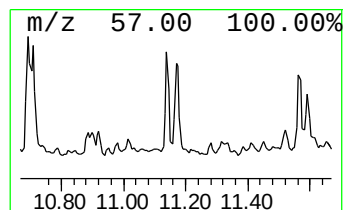
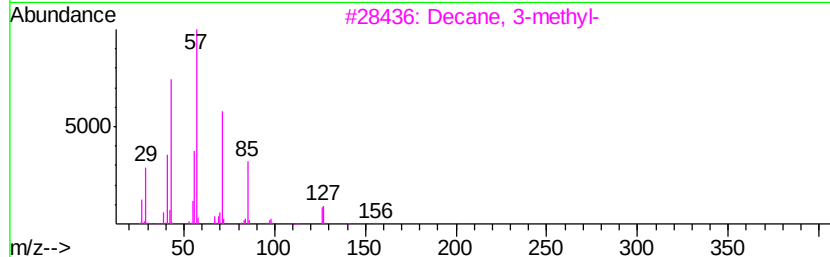
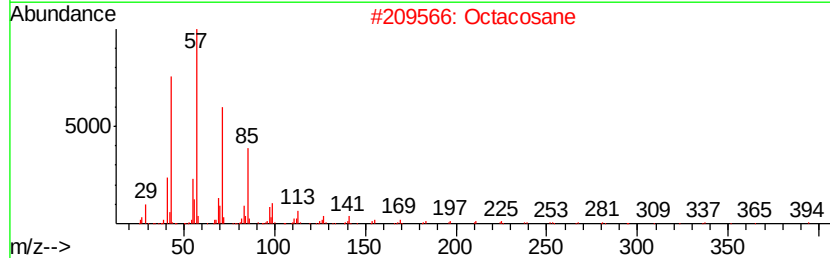
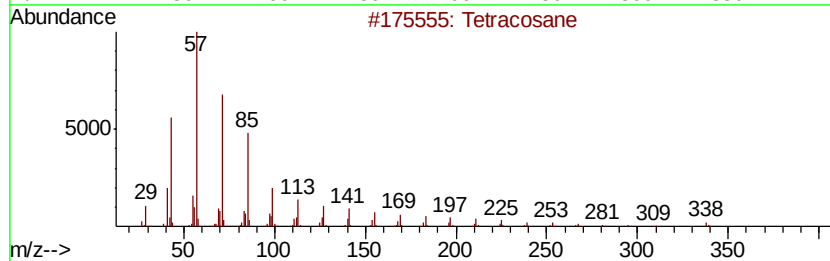
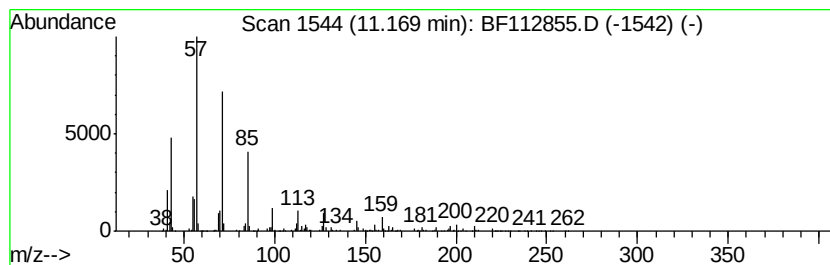
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Tetracosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	21.68 ng	847020	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	78
2		Octacosane	394	C28H58	000630-02-4	72
3		Decane, 3-methyl-	156	C11H24	013151-34-3	68
4		Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	64
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

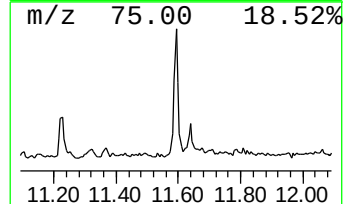
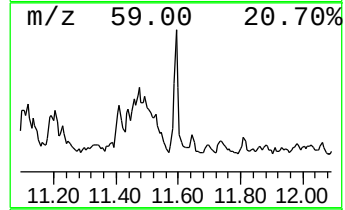
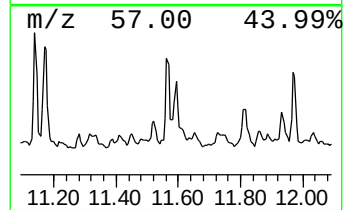
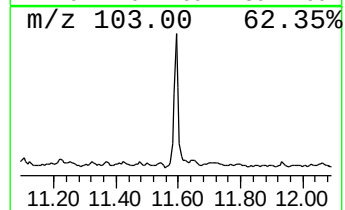
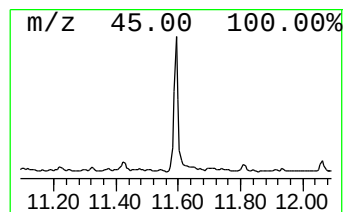
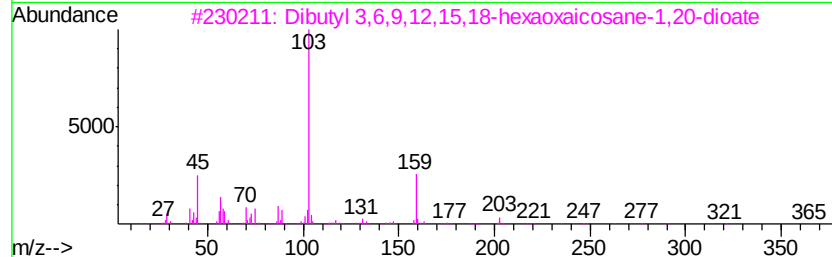
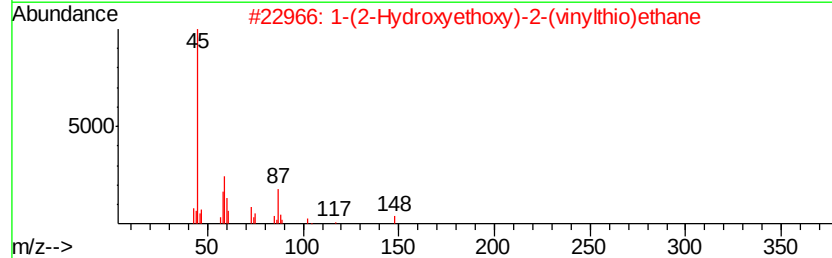
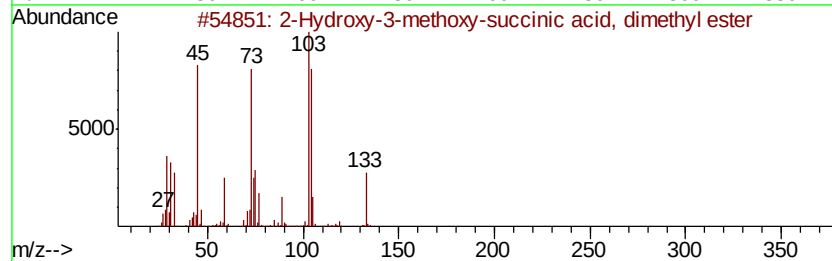
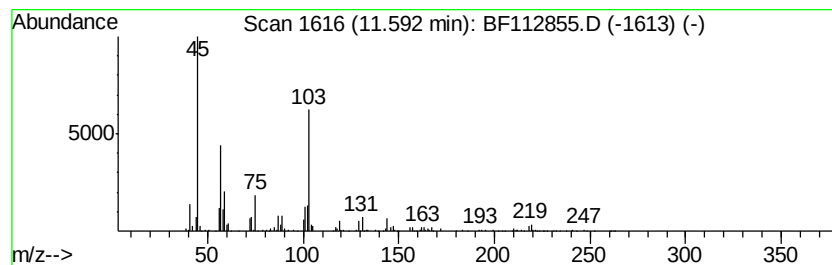
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 2-Hydroxy-3-methoxy-succini... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	20.01 ng	781554	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hydroxy-3-methoxy-succinic aci...	192	C7H12O6	072718-99-1	59
2		1-(2-Hydroxyethoxy)-2-(vinylthio)...	148	C6H12O2S	086241-10-3	43
3		Dibutyl 3,6,9,12,15,18-hexaoxaic...	466	C22H42O10	1000366-80-0	43
4		Ethane, 1-methoxy-2-(methoxymeth...	120	C5H12O3	074498-88-7	43
5		1H-Pyrimidine-2,4-dione, 1-(2-et...	232	C9H13FN2O4	1000310-13-7	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

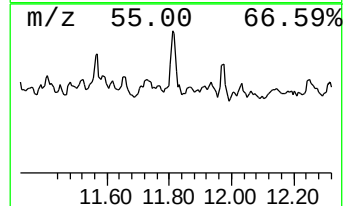
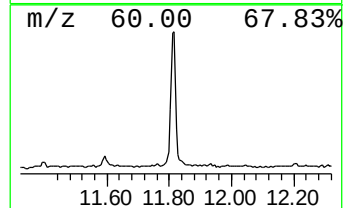
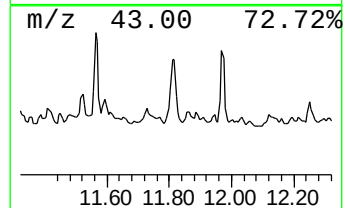
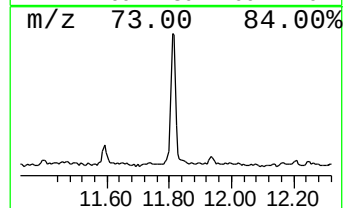
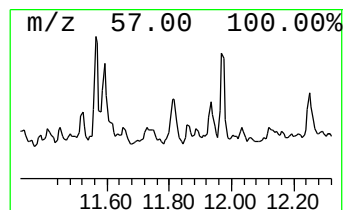
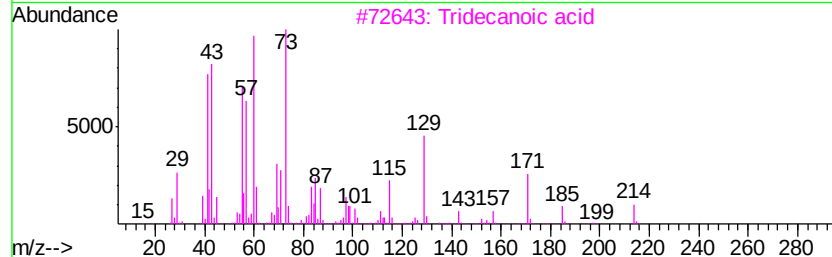
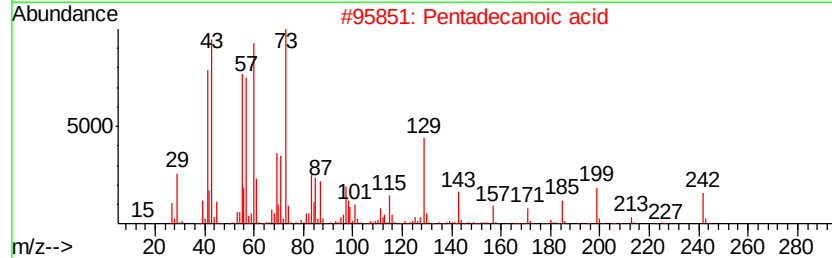
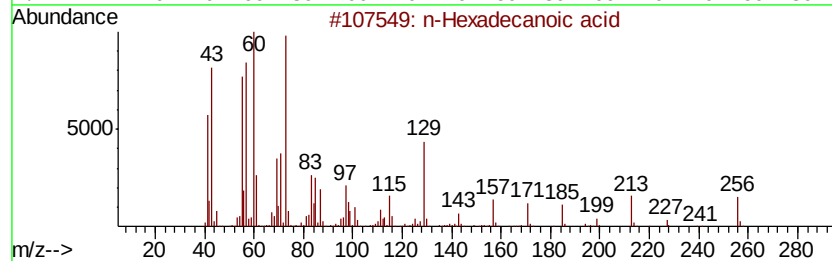
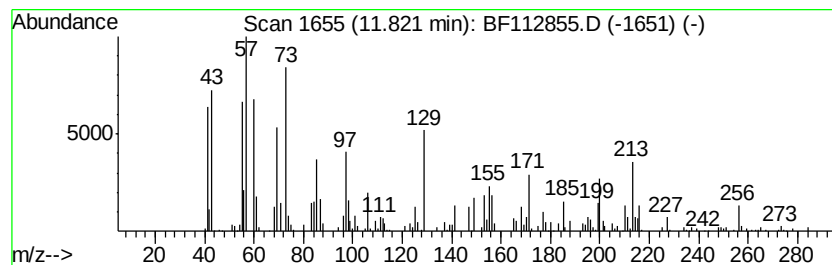
Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.82	20.32 ng	793680	Phenanthrene-d10		11.26
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	74
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	Dodecanoic acid	200	C12H24O2	000143-07-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

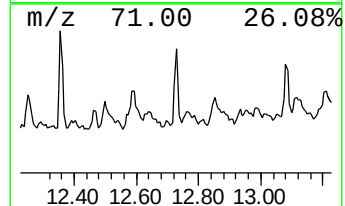
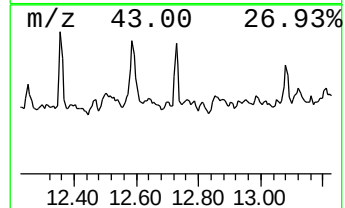
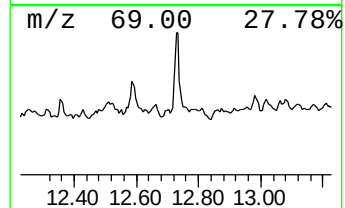
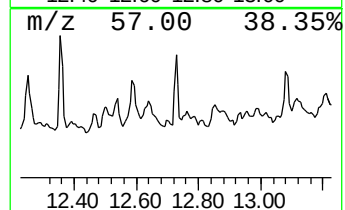
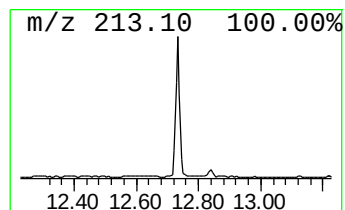
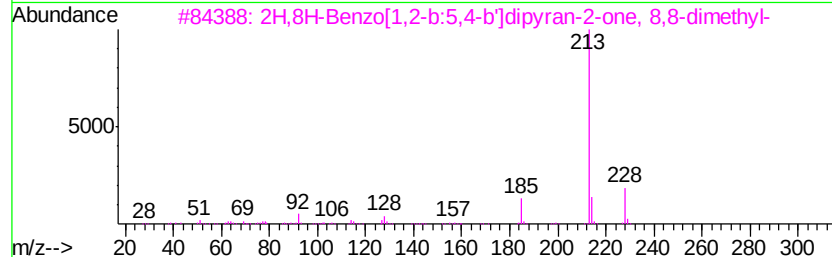
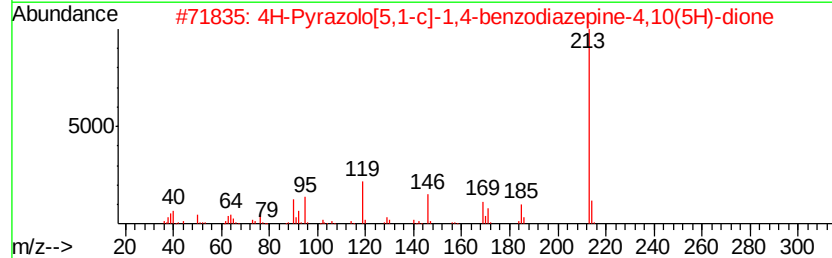
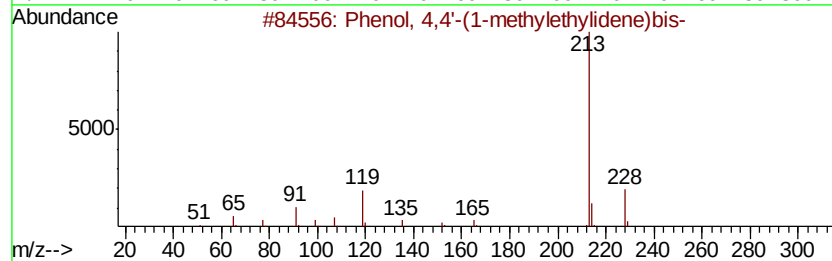
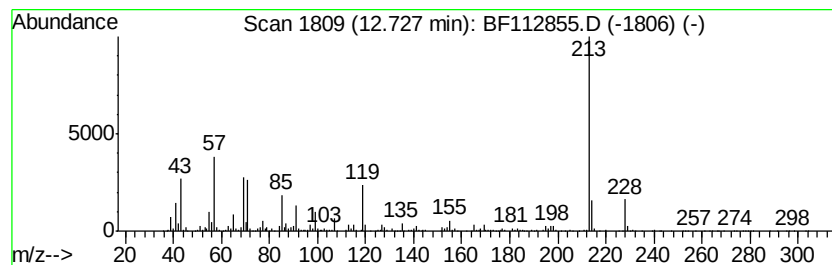
Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenol, 4,4'-(1-methylethyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.73	19.38 ng	1006520	Chrysene-d12	13.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene)...	228	C15H16O2	000080-05-7	96	
2	4H-Pyrazolo[5,1-c]-1,4-benzodiaz...	213	C11H7N3O2	1000277-20-1	59	
3	2H,8H-Benzo[1,2-b:5,4-b']ldipvran...	228	C14H12O3	000553-19-5	58	
4	4-Bromo-2-(methylamino)tropone	213	C8H8BrNO	1000241-45-0	50	
5	1,4-Naphthalenedione, 2-(1-buten...	228	C14H12O3	029366-43-6	47	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

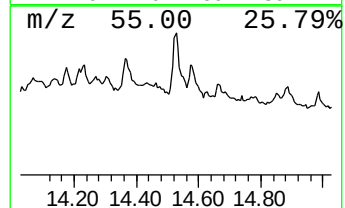
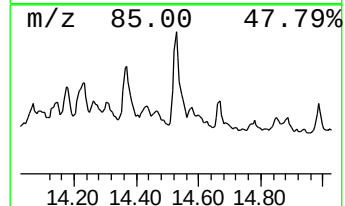
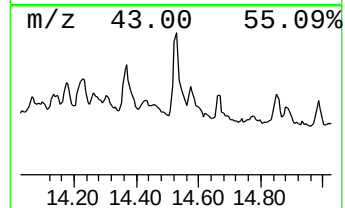
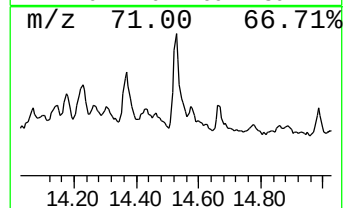
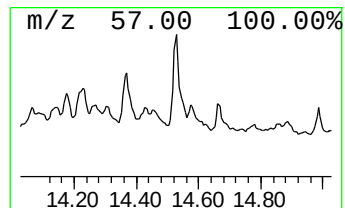
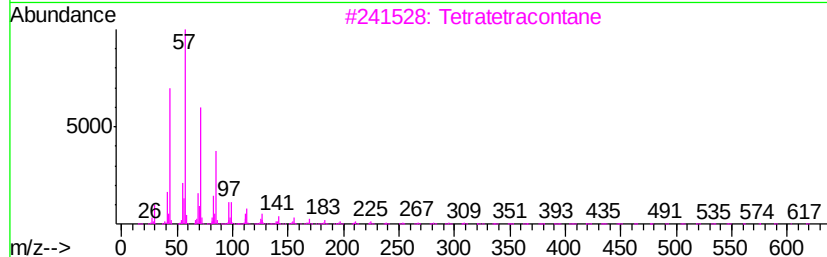
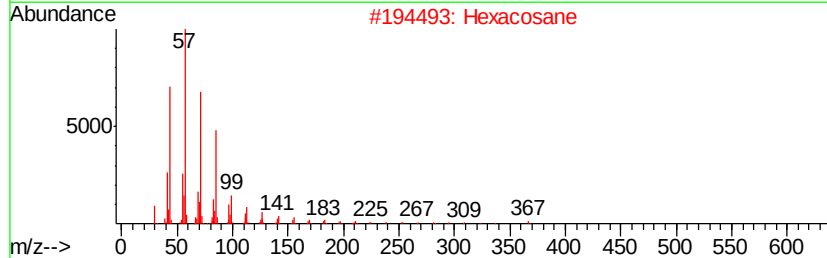
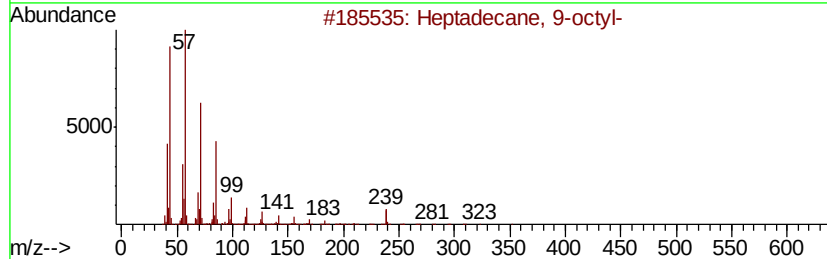
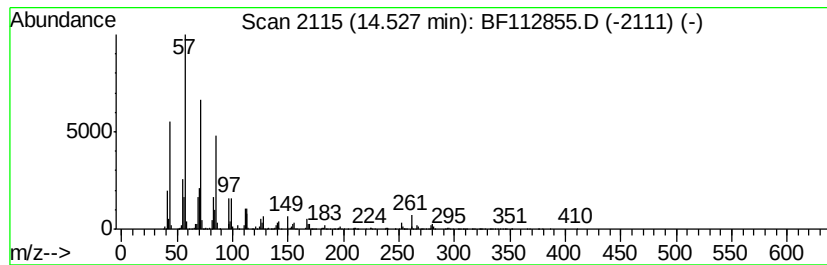
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Heptadecane, 9-octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	29.65 ng	1539720	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
2		Hexacosane	366	C26H54	000630-01-3	87
3		Tetratetracontane	619	C44H90	007098-22-8	87
4		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	86
5		Hexadecane	226	C16H34	000544-76-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

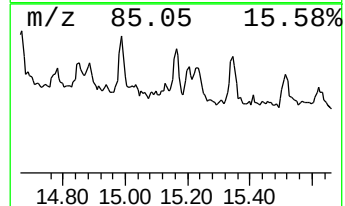
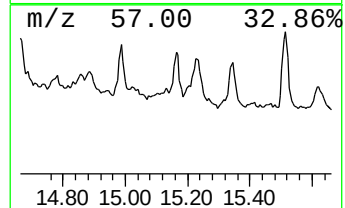
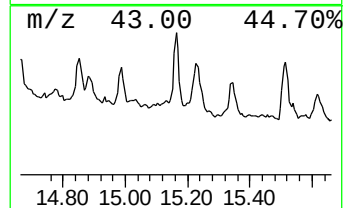
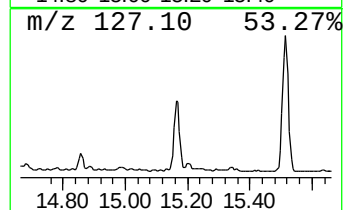
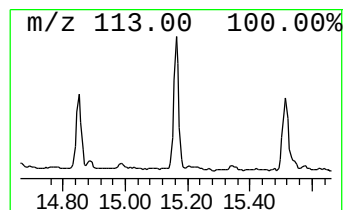
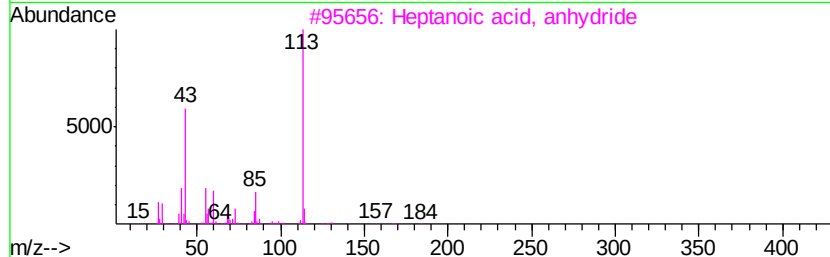
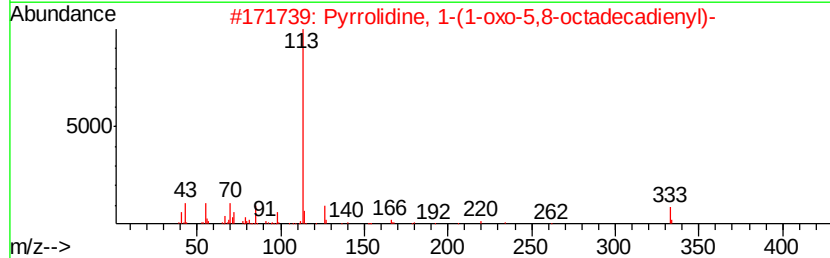
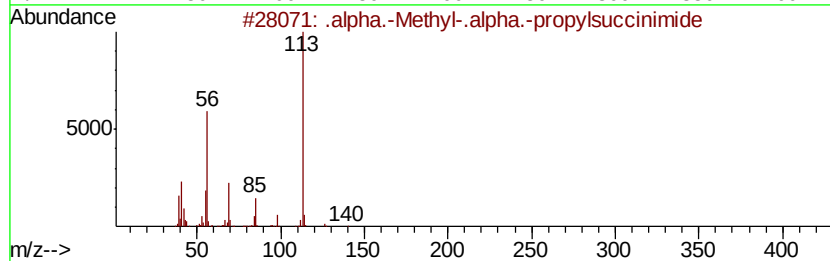
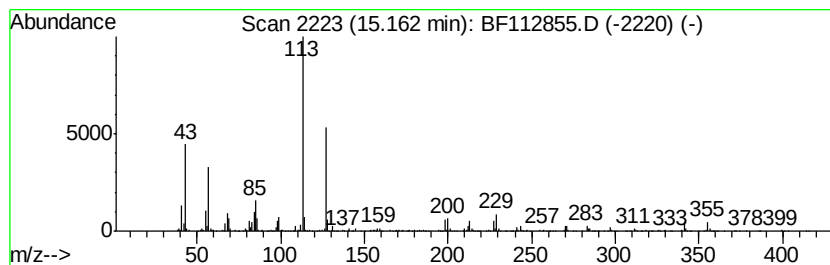
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown15.16 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	17.83 ng	711100	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	47
2		Pyrrolidine, 1-(1-oxo-5,8-octade...	333	C22H39NO	056600-16-9	47
3		Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	47
4		5-Ethylthiazole	113	C5H7NS	017626-73-2	43
5		Ethosuximide	141	C7H11NO2	000077-67-8	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
 Data File : BF112855.D
 Acq On : 5 Mar 2019 15:05
 Operator : JU/SJ
 Sample : K1700-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-21841-21842

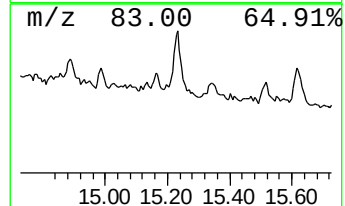
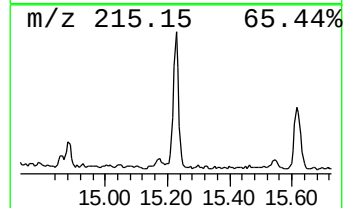
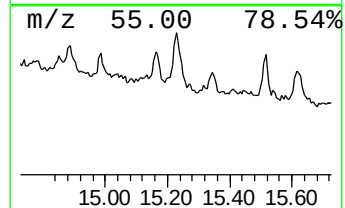
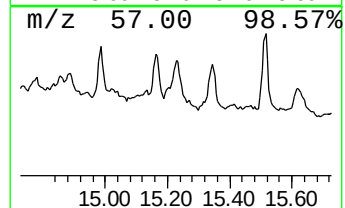
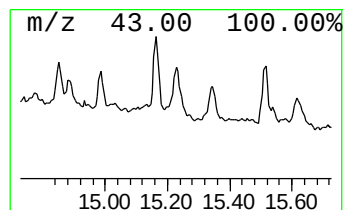
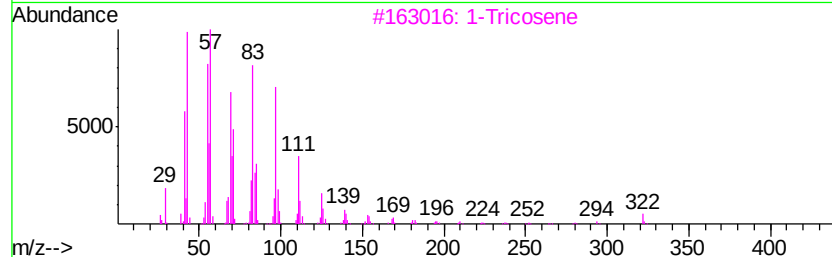
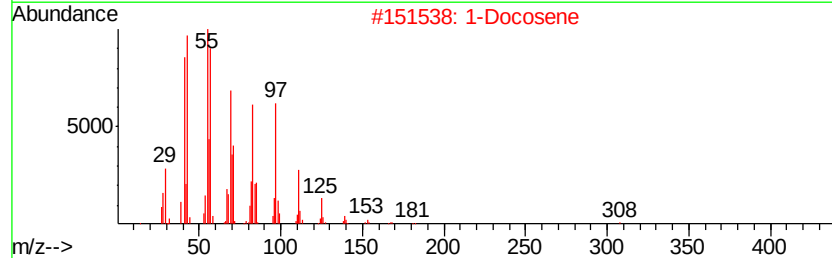
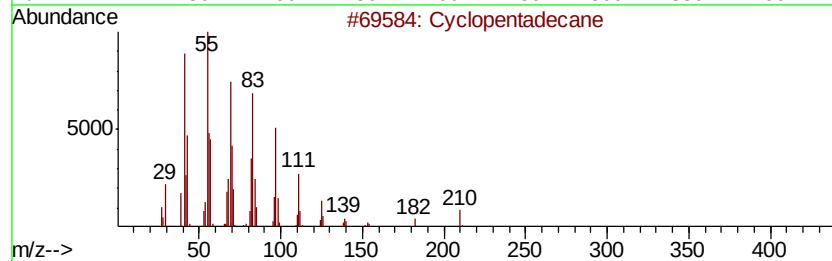
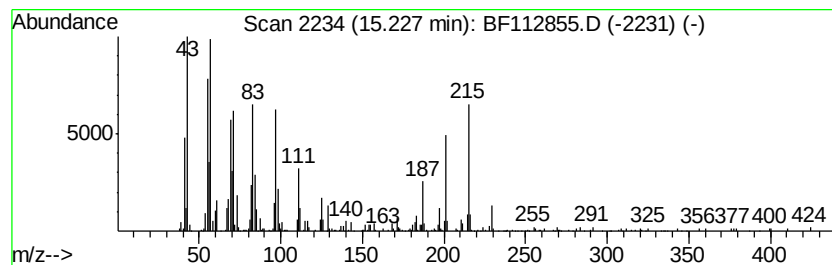
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 18 Cyclopentadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	18.98 ng	756917	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentadecane	210	C15H30	000295-48-7	70
2		1-Docosene	308	C22H44	001599-67-3	64
3		1-Tricosene	322	C23H46	018835-32-0	60
4		Heptadecyl heptafluorobutyrte	452	C21H35F7O2	959085-66-6	55
5		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

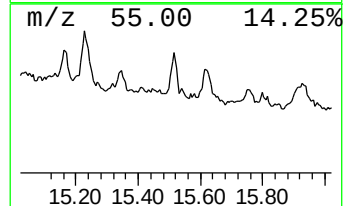
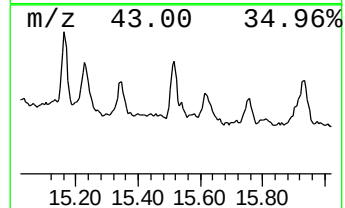
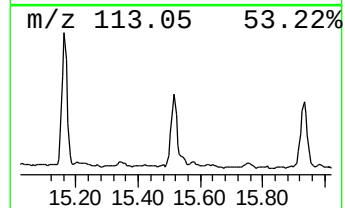
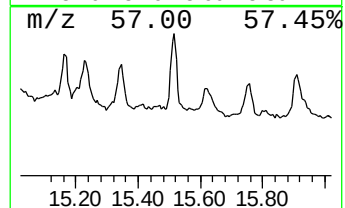
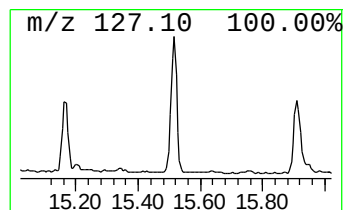
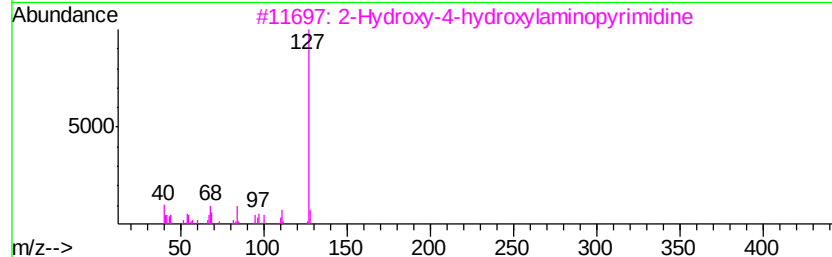
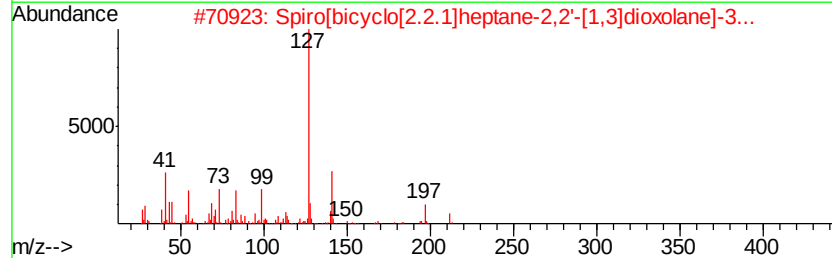
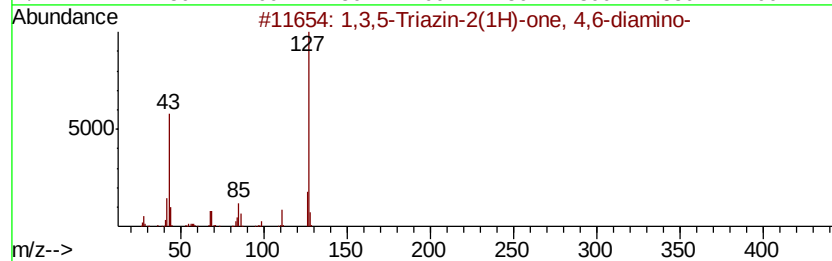
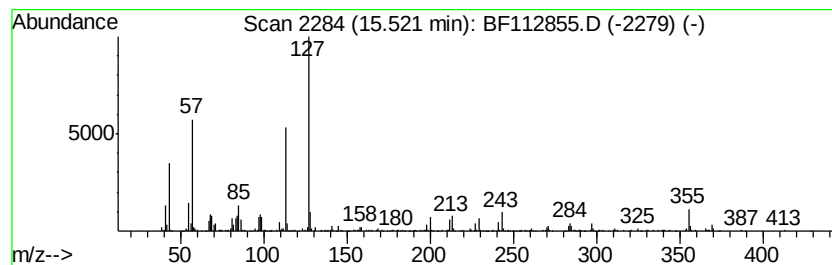
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown15.52 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	24.23 ng	965970	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,5-Triazin-2(1H)-one, 4,6-dia...	127	C3H5N5O	000645-92-1	49
2		Spiro[bicyclo[2.2.1]heptane-2,2'...	212	C12H20O3	035972-92-0	47
3		2-Hydroxy-4-hydroxylaminopyrimidine	127	C4H5N3O2	020555-88-8	46
4		4-Amino-2,6-dihydroxypyrimidine	127	C4H5N3O2	000873-83-6	43
5		Caprylic anhydride	270	C16H30O3	000623-66-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112855.D
Acq On : 5 Mar 2019 15:05
Operator : JU/SJ
Sample : K1700-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-21841-21842

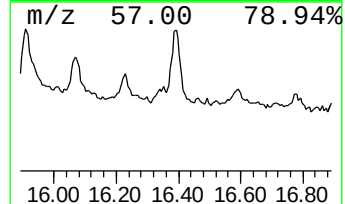
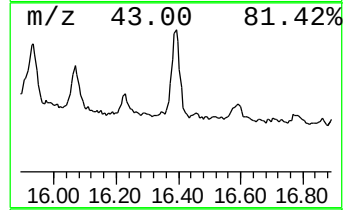
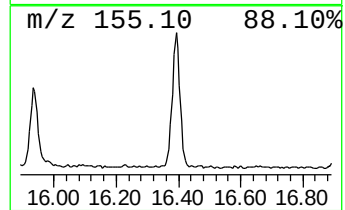
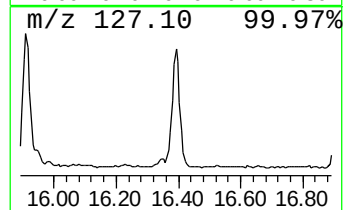
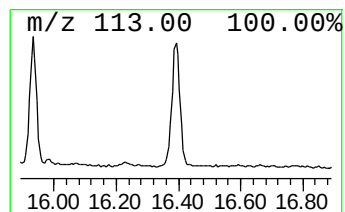
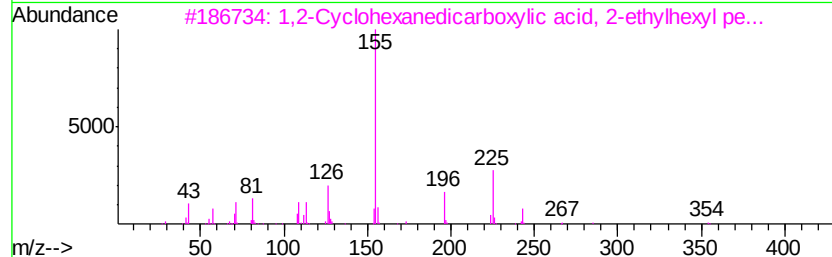
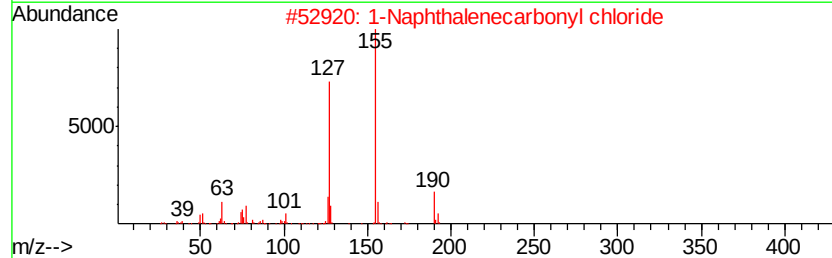
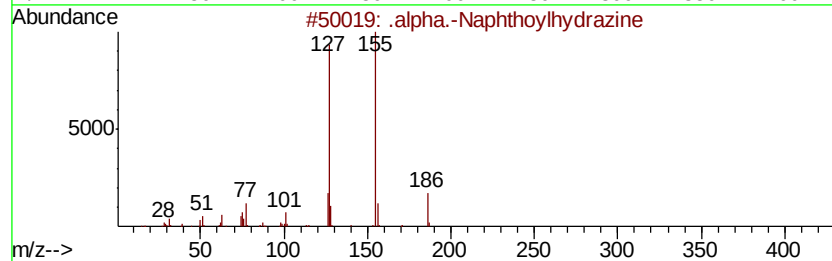
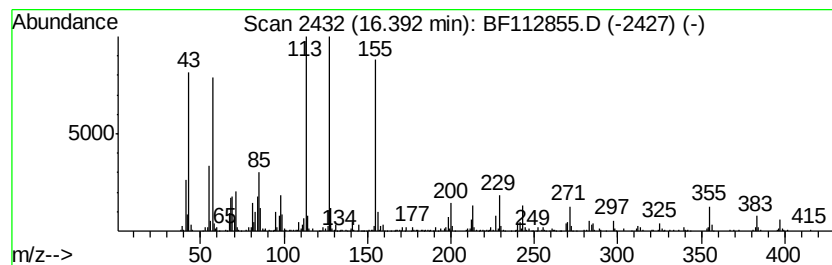
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown16.39 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	33.36 ng	1330160	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Naphthovlhydrazine	186	C11H10N2O	043038-45-5	46
2		1-Naphthalenecarbonyl chloride	190	C11H7ClO	000879-18-5	43
3		1,2-Cyclohexanedicarboxylic acid...	354	C21H38O4	1000339-45-4	30
4		L-Proline, N-(1-naphthovl)-, eth...	297	C18H19NO3	1000346-08-2	25
5		Sarcosine, N-(1-naphthovl)-, oct...	355	C22H29NO3	1000321-40-6	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112855.D
 Acq On : 5 Mar 2019 15:05
 Operator : JU/SJ
 Sample : K1700-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-21841-21842

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.52	6.52	68.0	ng	2989860	1	6.75	879078	20.0
Mesitylene	6.81	22.9	ng	1005920	1	6.75	879078	20.0
Hexanoic acid, 2-...	7.52	31.5	ng	2589490	2	8.03	1646070	20.0
n-Decanoic acid	9.03	45.6	ng	2368690	3	9.77	1038460	20.0
Tetradecane	9.20	19.6	ng	1015770	3	9.77	1038460	20.0
1H-Benzotriazole,...	9.95	22.3	ng	1156510	3	9.77	1038460	20.0
Hexadecane	10.22	17.5	ng	910679	3	9.77	1038460	20.0
unknown10.40	10.40	23.8	ng	1237370	3	9.77	1038460	20.0
Heptadecane	10.69	28.9	ng	1129820	4	11.26	781311	20.0
2-Ethyl-1-H-indene	10.90	17.3	ng	676651	4	11.26	781311	20.0
Tetracosane	11.17	21.7	ng	847020	4	11.26	781311	20.0
2-Hydroxy-3-metho...	11.59	20.0	ng	781554	4	11.26	781311	20.0
n-Hexadecanoic acid	11.82	20.3	ng	793680	4	11.26	781311	20.0
Phenol, 4,4'-(1-m...	12.73	19.4	ng	1006520	5	13.89	1038500	20.0
Heptadecane, 9-oc...	14.53	29.6	ng	1539720	5	13.89	1038500	20.0
unknown15.16	15.16	17.8	ng	711100	6	15.30	797425	20.0
Cyclopentadecane	15.23	19.0	ng	756917	6	15.30	797425	20.0
unknown15.52	15.52	24.2	ng	965970	6	15.30	797425	20.0
unknown16.39	16.39	33.4	ng	1330160	6	15.30	797425	20.0