

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101333.D
 Acq On : 12 Dec 2017 16:49
 Operator : SJ/JU
 Sample : I6868-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251683-RBR-400031-2428

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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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	5.022	497	499	505	rBV	8597	10343	2.70%	0.204%
2	5.434	566	569	586	rBV	140557	173740	45.32%	3.430%
3	6.345	721	724	727	rBB2	7856	7287	1.90%	0.144%
4	6.457	740	743	754	rBV	163755	189815	49.51%	3.747%
5	6.592	763	766	772	rVB	228848	197837	51.60%	3.906%
6	6.645	772	775	778	rBV2	45844	37575	9.80%	0.742%
7	6.822	802	805	810	rBV	318384	263926	68.84%	5.210%
8	6.875	810	814	820	rVB3	5901	7185	1.87%	0.142%
9	6.975	828	831	839	rVB	185944	157796	41.16%	3.115%
10	7.087	845	850	853	rBV2	9409	9537	2.49%	0.188%
11	7.140	857	859	860	rVV	6524	6537	1.71%	0.129%
12	7.210	865	871	873	rVV2	9194	12424	3.24%	0.245%
13	7.351	889	895	898	rBV3	9239	11677	3.05%	0.231%
14	7.387	898	901	903	rVV	119897	111957	29.20%	2.210%
15	7.410	903	905	908	rVV	74605	61249	15.98%	1.209%
16	7.463	912	914	916	rVB3	8354	7014	1.83%	0.138%
17	7.522	916	924	927	rBV3	5275	9899	2.58%	0.195%
18	7.622	938	941	944	rVB2	9026	8440	2.20%	0.167%
19	7.716	955	957	959	rVB2	8534	6308	1.65%	0.125%
20	7.775	964	967	970	rVB2	6391	6494	1.69%	0.128%
21	7.810	970	973	976	rVB	6435	6105	1.59%	0.121%
22	7.839	976	978	982	rBV	14362	15202	3.97%	0.300%
23	8.075	1015	1018	1020	rBV	75036	59798	15.60%	1.180%
24	8.104	1020	1023	1026	rVV	430522	344580	89.87%	6.802%
25	8.151	1029	1031	1035	rVV	21321	19186	5.00%	0.379%
26	8.186	1035	1037	1042	rVB3	4115	6314	1.65%	0.125%
27	8.386	1068	1071	1077	rVB3	13171	14303	3.73%	0.282%
28	8.469	1082	1085	1090	rVB	8781	9361	2.44%	0.185%
29	8.516	1090	1093	1095	rBV	21124	18128	4.73%	0.358%
30	8.604	1105	1108	1110	rVB3	9175	6822	1.78%	0.135%
31	8.639	1110	1114	1116	rBV3	4630	5914	1.54%	0.117%
32	8.686	1119	1122	1126	rBV	66599	49374	12.88%	0.975%
33	8.751	1126	1133	1136	rBV4	3666	7995	2.09%	0.158%
34	8.822	1141	1145	1147	rBV	8671	8288	2.16%	0.164%

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35	8.922	1159	1162	1165	rVB3	8521	6382	1.66%	0.126%
36	9.004	1174	1176	1180	rVB3	6615	7134	1.86%	0.141%
37	9.051	1180	1184	1188	rVB2	5083	5791	1.51%	0.114%
38	9.116	1192	1195	1199	rVB	12156	10578	2.76%	0.209%
39	9.175	1202	1205	1209	rBV	293121	234644	61.20%	4.632%
40	9.251	1215	1218	1221	rBV	46561	38110	9.94%	0.752%
41	9.516	1259	1263	1267	rVV3	5754	9046	2.36%	0.179%
42	9.575	1267	1273	1280	rVB2	30347	37535	9.79%	0.741%
43	9.722	1295	1298	1300	rBV	11725	8966	2.34%	0.177%
44	9.781	1303	1308	1311	rBV	32831	26830	7.00%	0.530%
45	9.863	1318	1322	1326	rBV	428951	341997	89.20%	6.751%
46	9.892	1326	1327	1331	rVB	11208	7043	1.84%	0.139%
47	10.069	1354	1357	1359	rBV2	7056	5706	1.49%	0.113%
48	10.104	1359	1363	1366	rBV3	6105	6191	1.61%	0.122%
49	10.280	1388	1393	1396	rVB2	23784	21183	5.53%	0.418%
50	10.410	1413	1415	1419	rBV	7944	8412	2.19%	0.166%
51	10.498	1427	1430	1433	rBV2	5410	5527	1.44%	0.109%
52	10.657	1453	1457	1465	rVB	107345	104717	27.31%	2.067%
53	10.751	1471	1473	1478	rBV2	15461	19627	5.12%	0.387%
54	11.169	1540	1544	1547	rBV2	4401	5171	1.35%	0.102%
55	11.204	1547	1550	1552	rVV	11407	9104	2.37%	0.180%
56	11.351	1572	1575	1578	rBV	344847	320774	83.67%	6.332%
57	11.375	1578	1579	1583	rVV	118156	86696	22.61%	1.711%
58	11.433	1585	1589	1591	rBV	18510	16993	4.43%	0.335%
59	11.592	1612	1616	1620	rBV2	7461	10892	2.84%	0.215%
60	11.627	1620	1622	1628	rVV3	7036	9236	2.41%	0.182%
61	11.692	1628	1633	1637	rVB4	3778	6260	1.63%	0.124%
62	11.857	1658	1661	1663	rBV	19231	18530	4.83%	0.366%
63	11.886	1663	1666	1669	rVV	26057	22815	5.95%	0.450%
64	11.933	1671	1674	1676	rVV	6969	5749	1.50%	0.113%
65	11.969	1677	1680	1682	rVV2	22934	24809	6.47%	0.490%
66	11.992	1682	1684	1687	rVB	11149	9741	2.54%	0.192%
67	12.092	1698	1701	1707	rBV4	3451	7142	1.86%	0.141%
68	12.151	1707	1711	1714	rVV	12154	12659	3.30%	0.250%
69	12.186	1714	1717	1721	rVB4	8186	9776	2.55%	0.193%
70	12.404	1748	1754	1763	rBV6	14266	37522	9.79%	0.741%
71	12.504	1766	1771	1773	rBV3	10100	13054	3.40%	0.258%

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72	12.569	1779	1782	1786	rBV	156967	148546	38.74%	2.932%
73	12.663	1796	1798	1802	rBV	7812	6020	1.57%	0.119%
74	12.716	1804	1807	1811	rBV3	6668	9683	2.53%	0.191%
75	12.804	1815	1822	1827	rBV	150237	165826	43.25%	3.274%
76	12.851	1827	1830	1833	rBV4	9825	9929	2.59%	0.196%
77	12.933	1841	1844	1848	rVB	219852	188663	49.21%	3.724%
78	12.963	1848	1849	1854	rVB5	9450	7473	1.95%	0.148%
79	13.016	1854	1858	1864	rBV5	13415	23033	6.01%	0.455%
80	13.116	1870	1875	1876	rBV5	15431	20756	5.41%	0.410%
81	13.127	1876	1877	1880	rVV2	18655	16461	4.29%	0.325%
82	13.157	1880	1882	1885	rVV3	6841	6199	1.62%	0.122%
83	13.198	1886	1889	1891	rVB2	10549	9539	2.49%	0.188%
84	13.233	1891	1895	1900	rBV2	18257	24014	6.26%	0.474%
85	13.327	1909	1911	1913	rBV	8702	7028	1.83%	0.139%
86	13.357	1913	1916	1919	rBV4	10532	10830	2.82%	0.214%
87	13.498	1938	1940	1943	rVB4	10682	5519	1.44%	0.109%
88	13.621	1957	1961	1963	rBV5	11749	20428	5.33%	0.403%
89	13.645	1963	1965	1970	rVV	20754	23543	6.14%	0.465%
90	13.757	1981	1984	1985	rVB	13521	11781	3.07%	0.233%
91	13.774	1985	1987	1990	rVB2	11177	7458	1.95%	0.147%
92	13.827	1990	1996	1999	rBV4	26810	40288	10.51%	0.795%
93	13.857	1999	2001	2005	rVB	19918	17601	4.59%	0.347%
94	14.004	2021	2026	2029	rBV2	355623	383400	100.00%	7.569%
95	14.027	2029	2030	2034	rVB	65321	52713	13.75%	1.041%
96	14.827	2163	2166	2170	rVB	37102	37162	9.69%	0.734%
97	15.051	2201	2204	2207	rBV	55443	68041	17.75%	1.343%
98	15.351	2253	2255	2262	rVB	34767	52231	13.62%	1.031%
99	15.421	2264	2267	2271	rVB	39931	48524	12.66%	0.958%
100	15.480	2272	2277	2281	rBV2	191164	242117	63.15%	4.780%

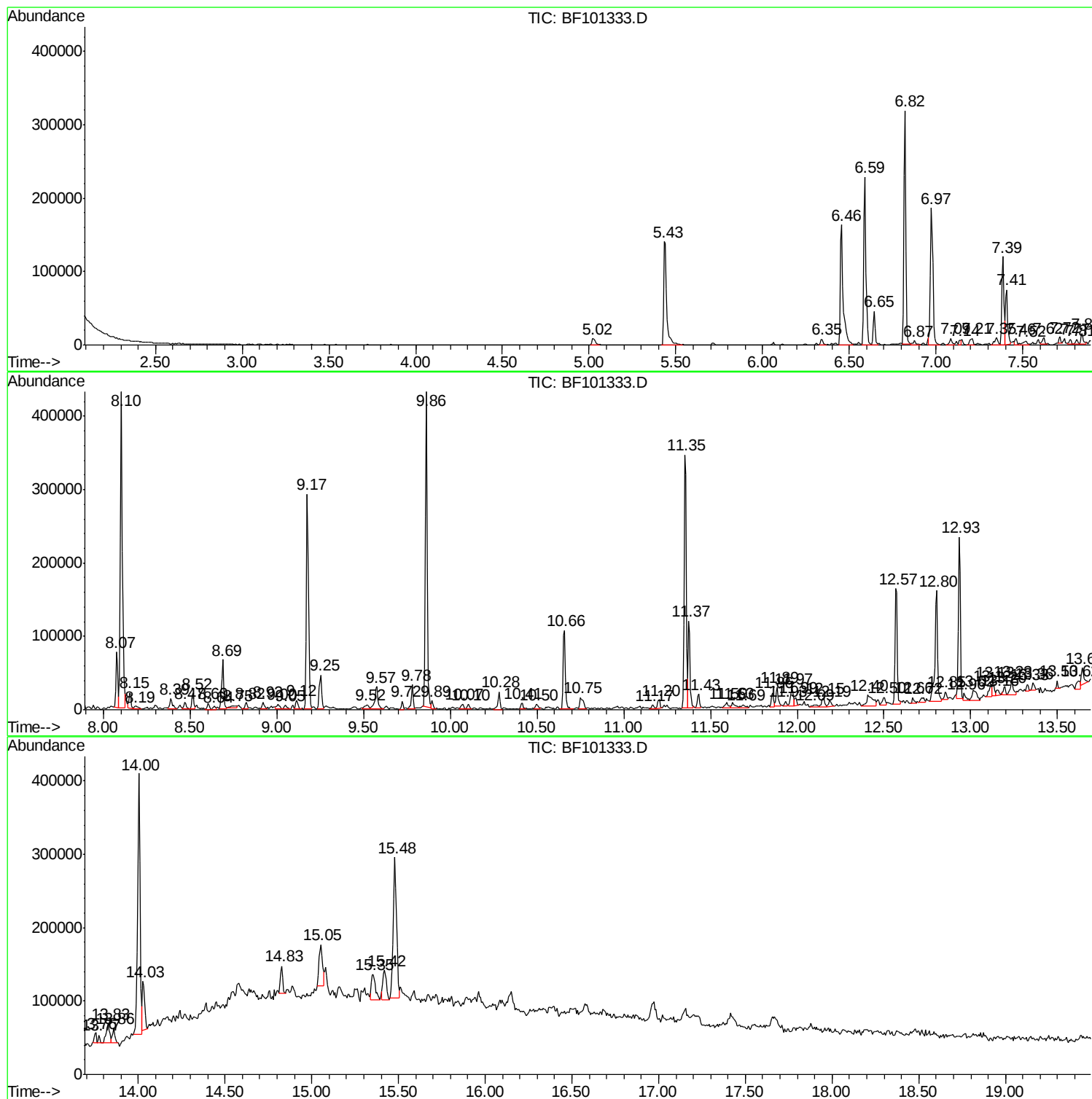
Sum of corrected areas: 5065558

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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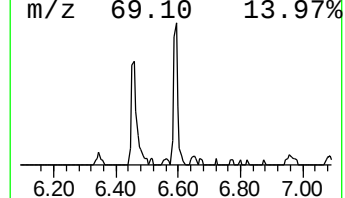
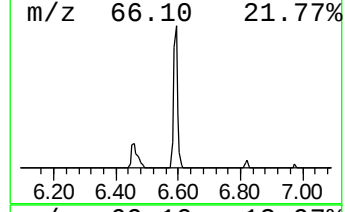
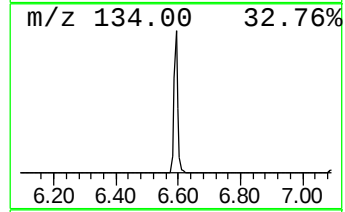
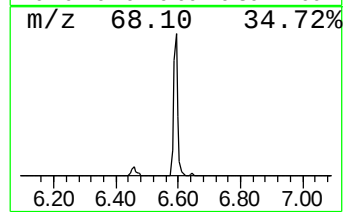
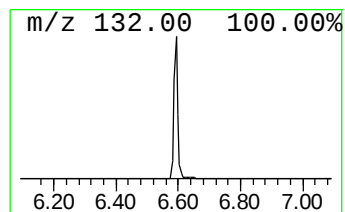
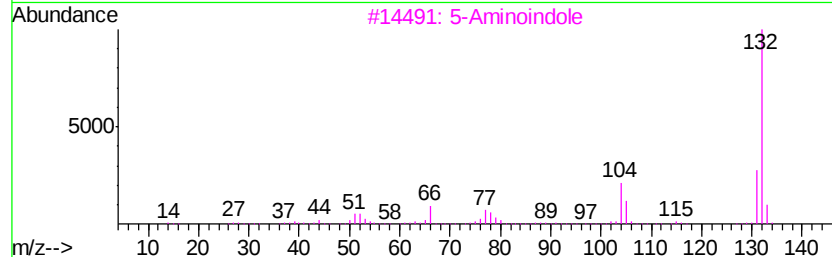
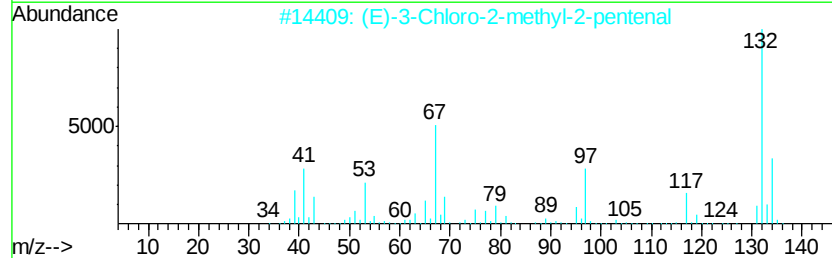
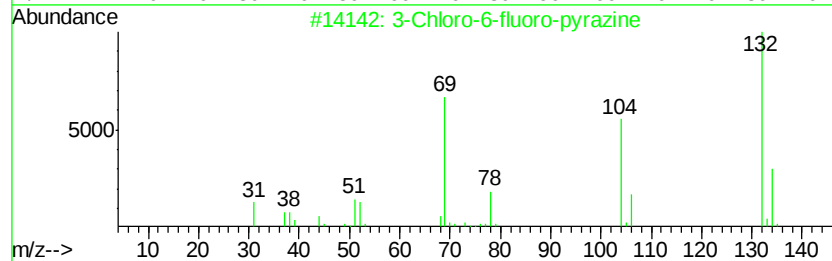
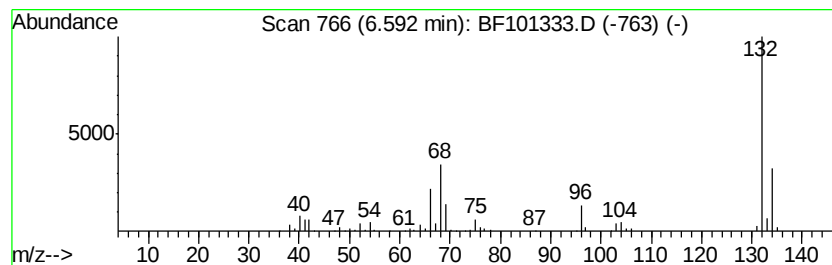
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	14.99 ng	197837	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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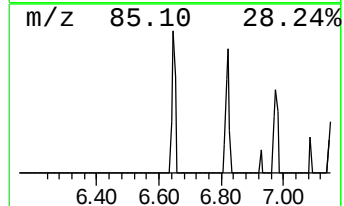
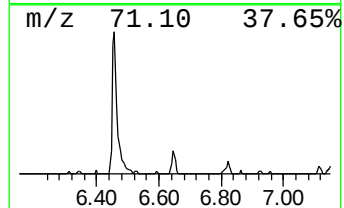
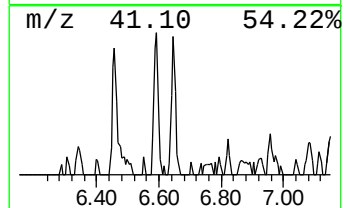
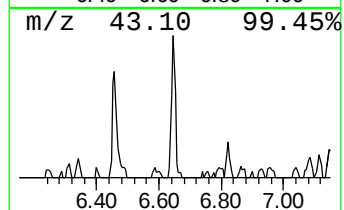
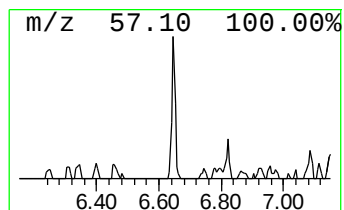
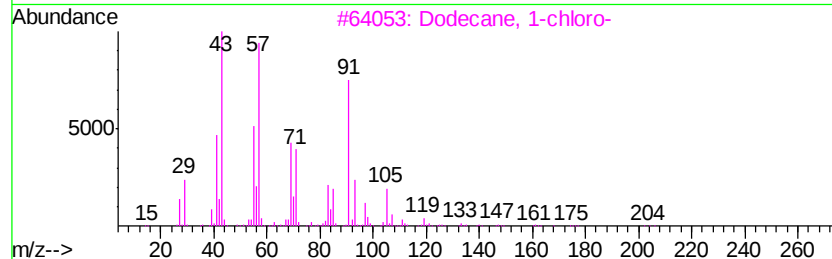
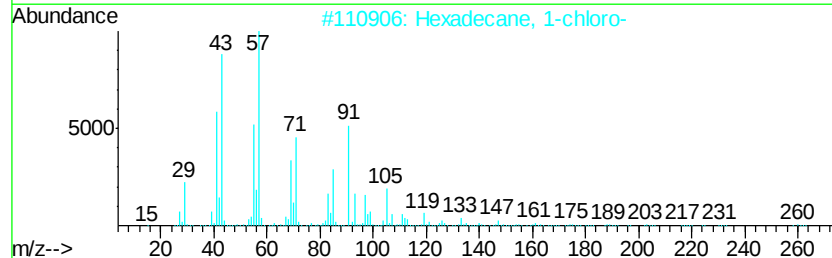
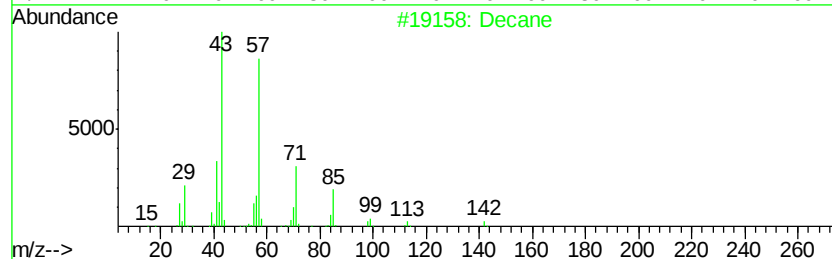
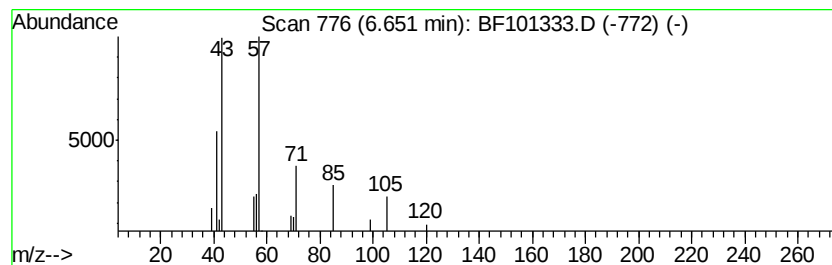
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	2.85 ng	37575	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	76
2		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	64
3		Dodecane, 1-chloro-	204	C12H25Cl	000112-52-7	53
4		Tetradecane	198	C14H30	000629-59-4	50
5		Undecane	156	C11H24	001120-21-4	47



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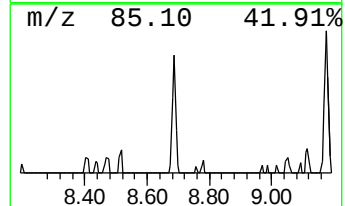
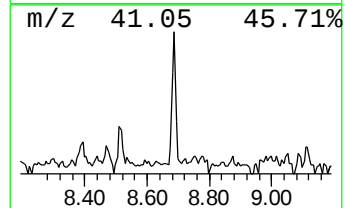
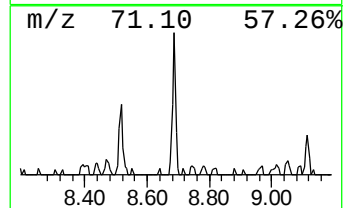
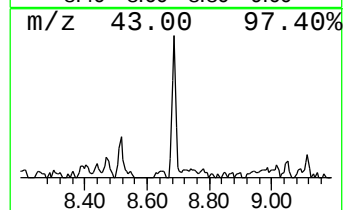
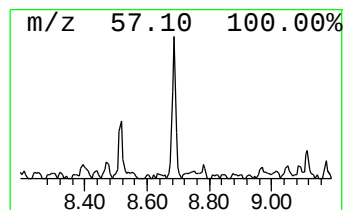
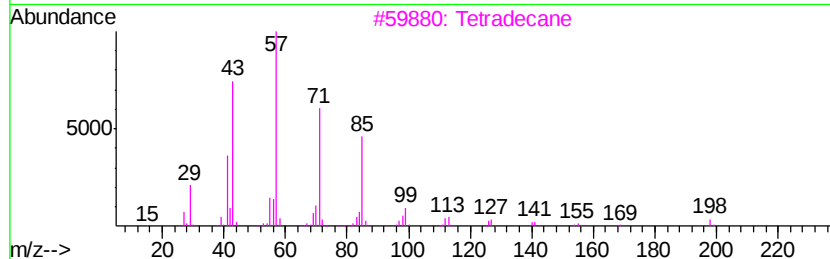
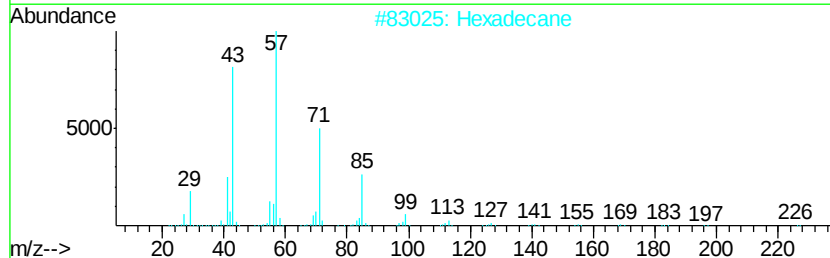
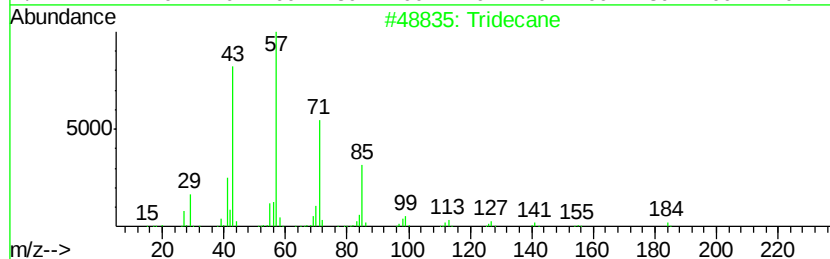
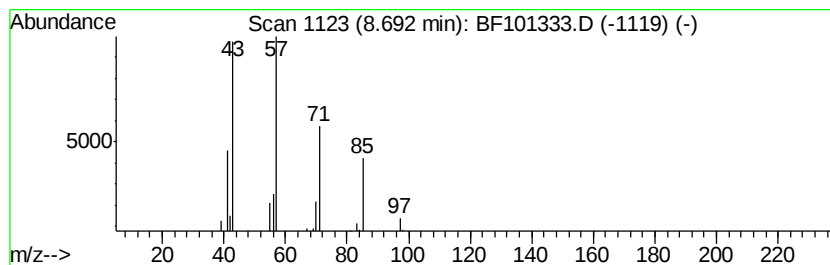
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Peak Number 4 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	2.87 ng	49374	Naphthalene-d8	8.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Tetradecane	198	C14H30	000629-59-4	83
4		Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	59
5		Undecane	156	C11H24	001120-21-4	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101333.D
Acq On : 12 Dec 2017 16:49
Operator : SJ/JU
Sample : I6868-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-251683-RBR-400031-2428

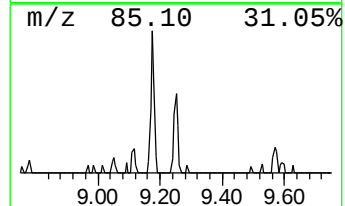
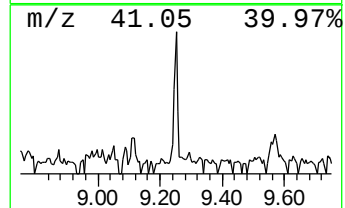
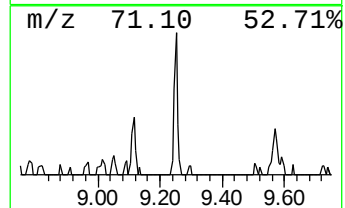
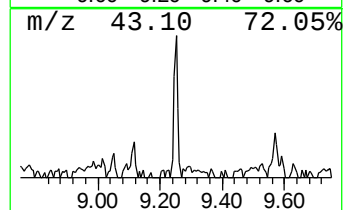
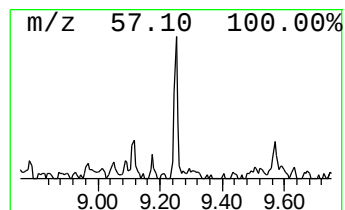
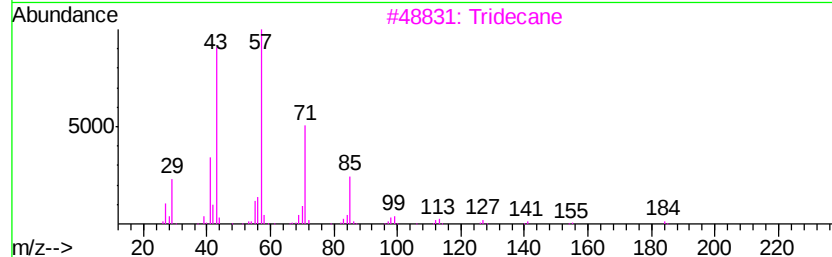
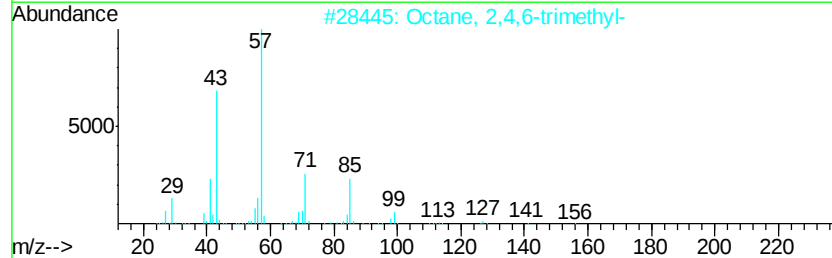
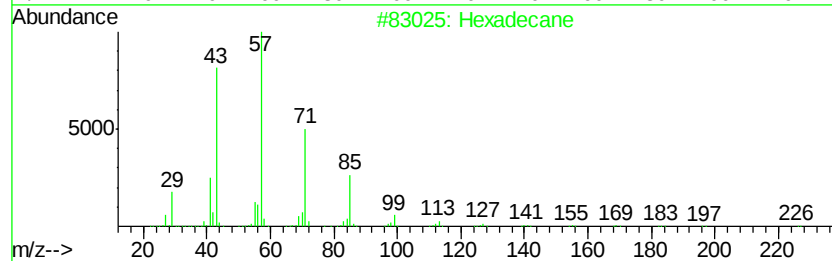
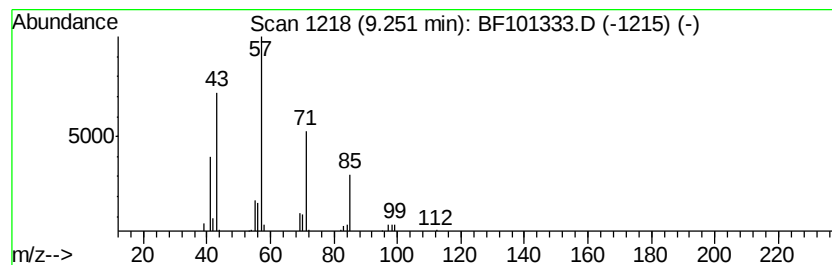
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	2.23 ng	38110	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	78
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
3		Tridecane	184	C13H28	000629-50-5	59
4		Ether, hexyl pentyl	172	C11H24O	032357-83-8	58
5		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101333.D
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Sample : I6868-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

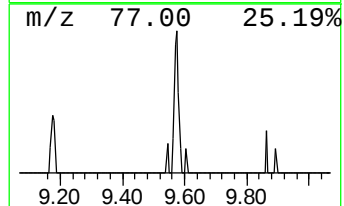
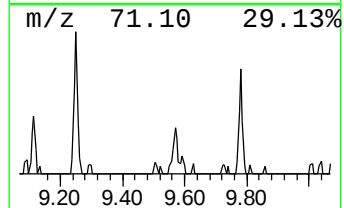
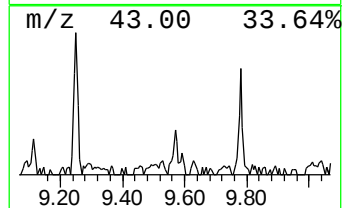
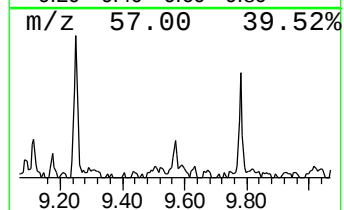
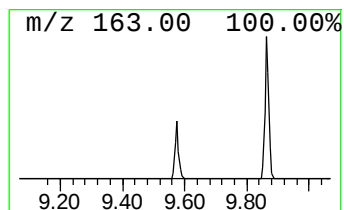
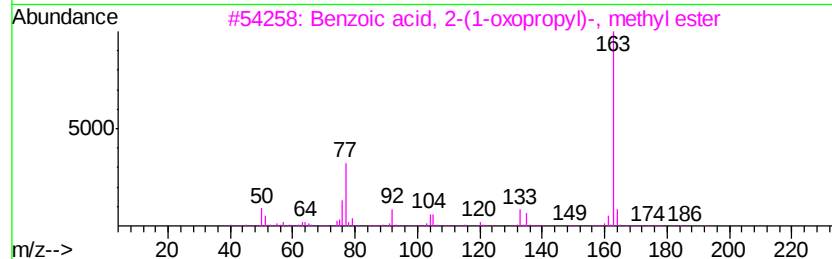
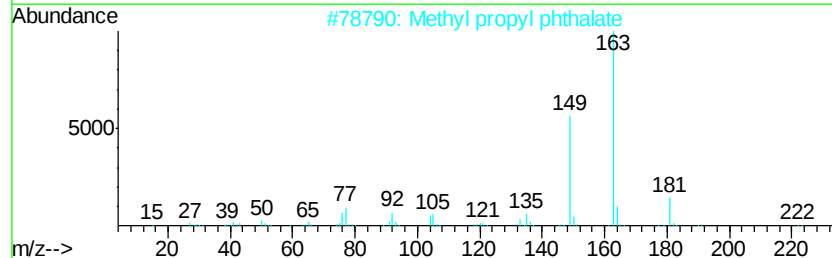
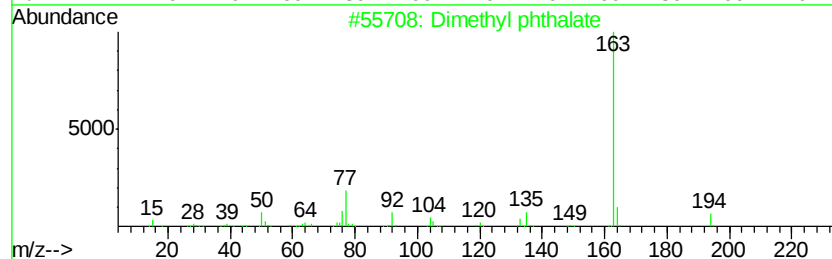
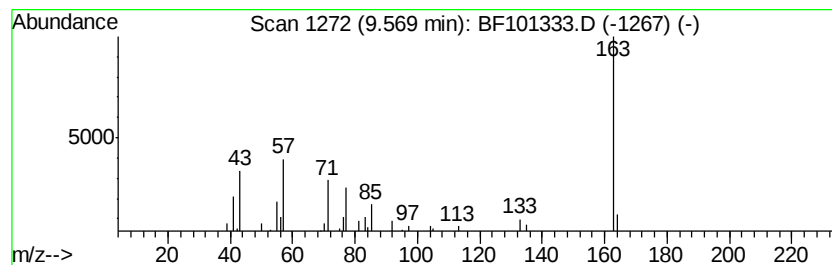
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dimethyl phthalate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	2.20 ng	37535	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dimethyl phthalate	194 C10H10O4	000131-11-3 90
2		Methyl propyl phthalate	222 C12H14O4	1000373-89-2 72
3		Benzoic acid, 2-(1-oxopropyl)-, ...	192 C11H12O3	032025-37-9 72
4		2-Methoxyethyl methyl phthalate	238 C12H14O5	1000373-89-4 72
5		1,2-Benzenedicarboxylic acid, bu...	236 C13H16O4	034006-76-3 64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101333.D
Acq On : 12 Dec 2017 16:49
Operator : SJ/JU
Sample : I6868-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

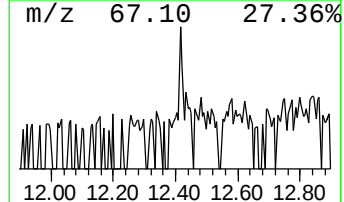
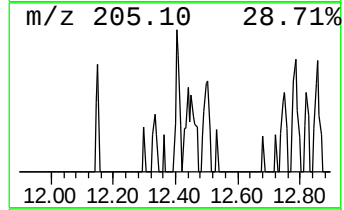
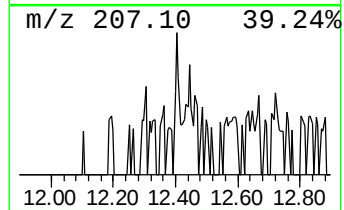
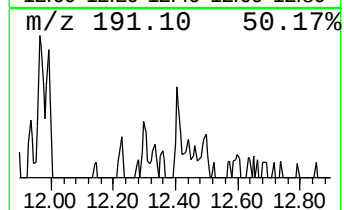
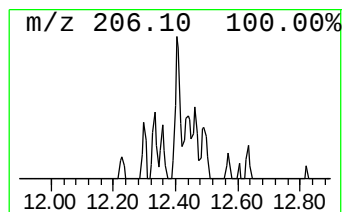
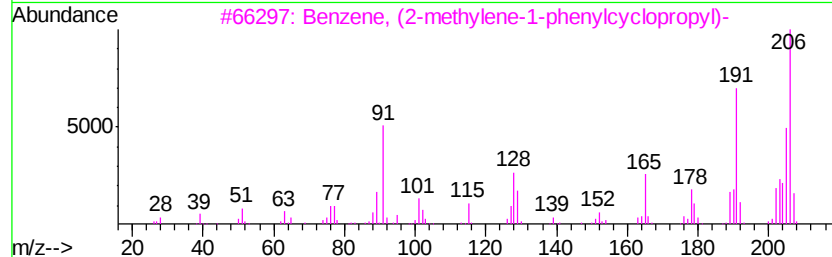
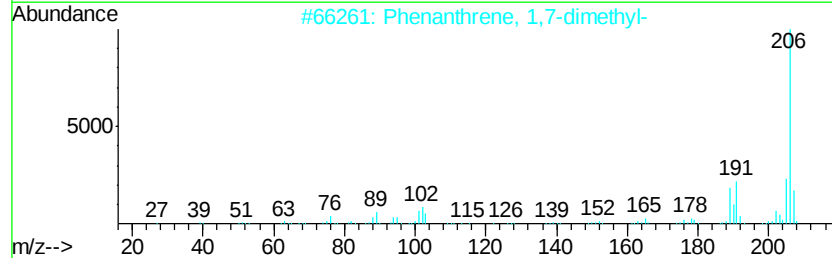
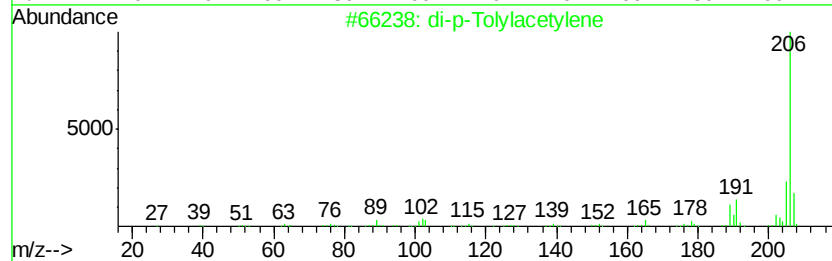
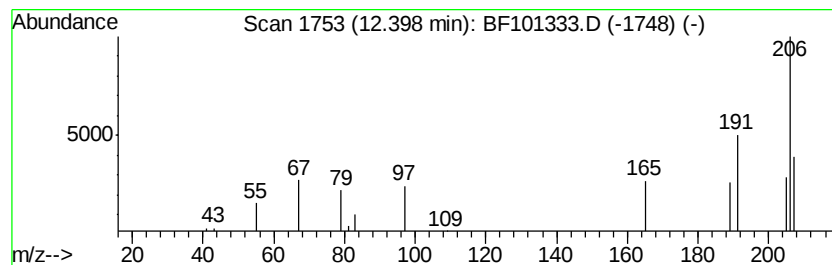
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.40	2.34 ng	37522	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylvene	206	C16H14	002789-88-0	80
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72
3	Benzene, (2-methylene-1-phenylcv...	206	C16H14	025152-47-0	64
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
Data File : BF101333.D
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Misc :
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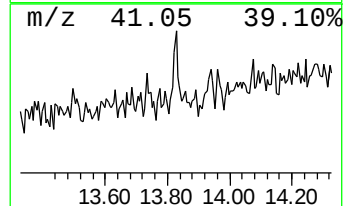
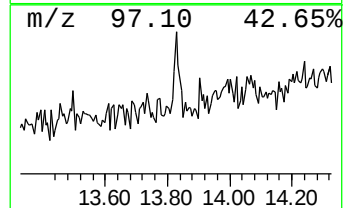
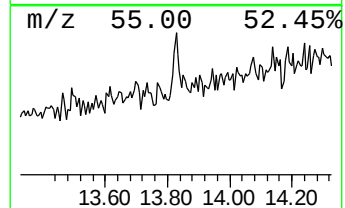
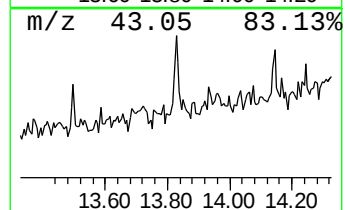
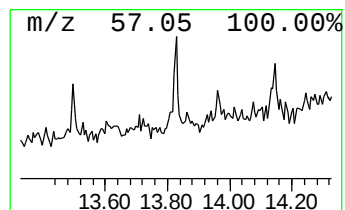
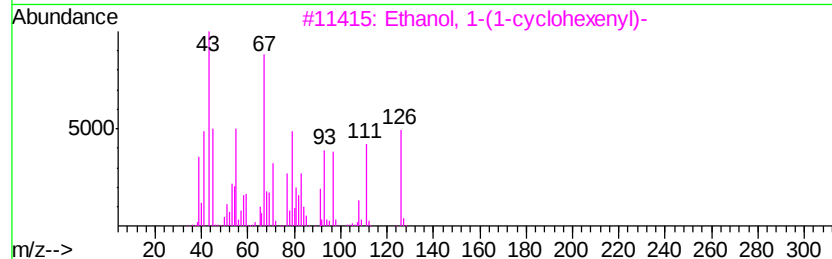
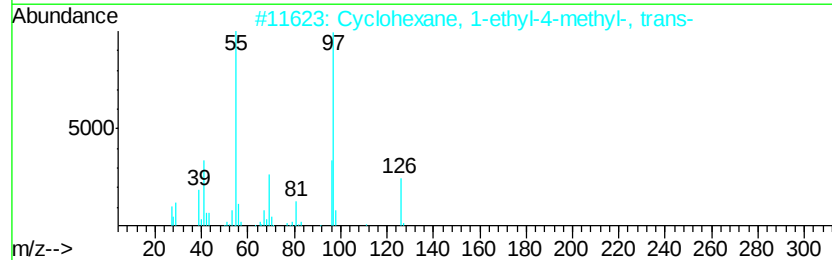
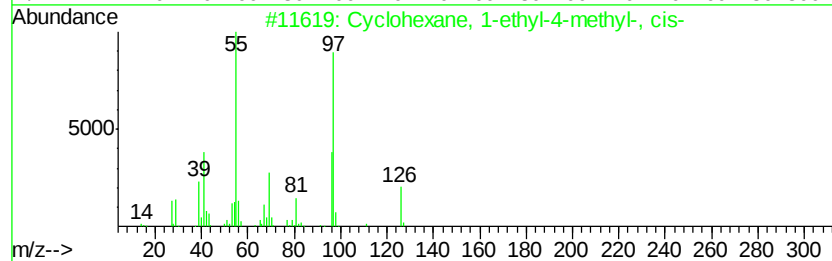
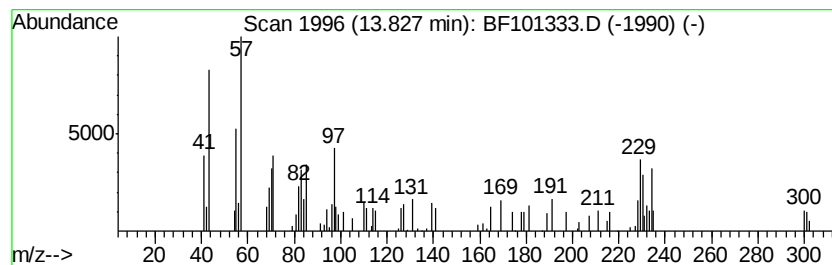
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown13.83 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.10 ng	40288	Chrysene-d12	14.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	004926-78-7 11
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	006236-88-0 11
3		Ethanol, 1-(1-cyclohexenyl)-	126 C8H14O	003197-68-0 11
4		4-Hepten-3-one, 5-methyl-, (E)-	126 C8H14O	020685-44-3 10
5		Octatriacontyl trifluoroacetate	647 C40H77F3O2	1000351-88-7 10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101333.D
Acq On : 12 Dec 2017 16:49
Operator : SJ/JU
Sample : I6868-01 5X
Misc :
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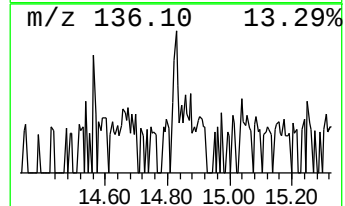
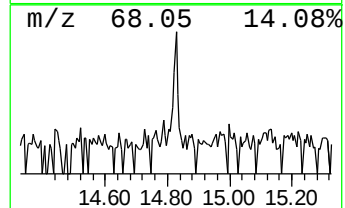
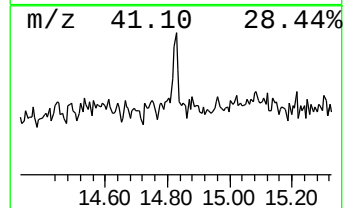
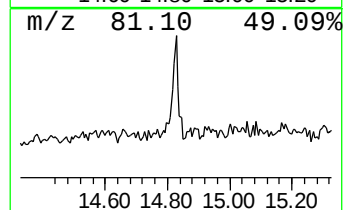
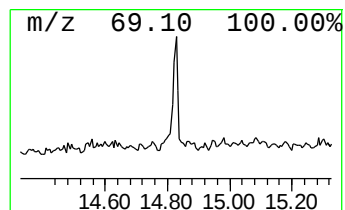
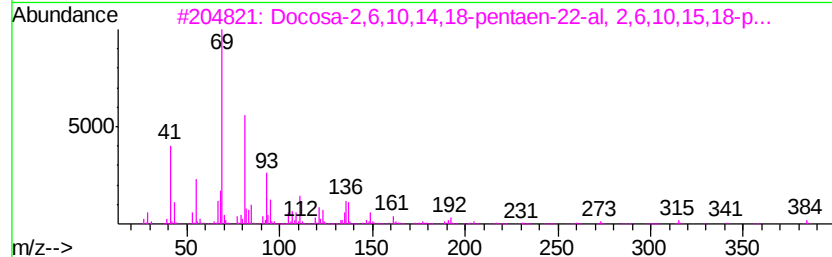
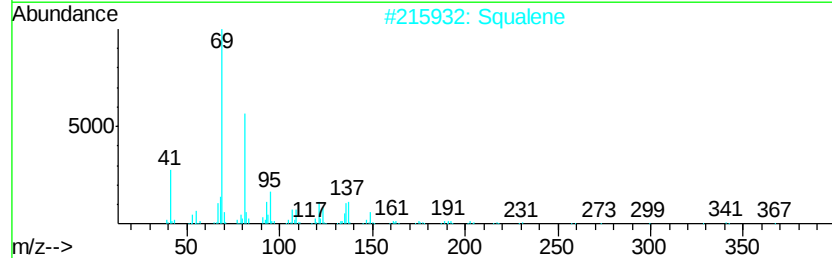
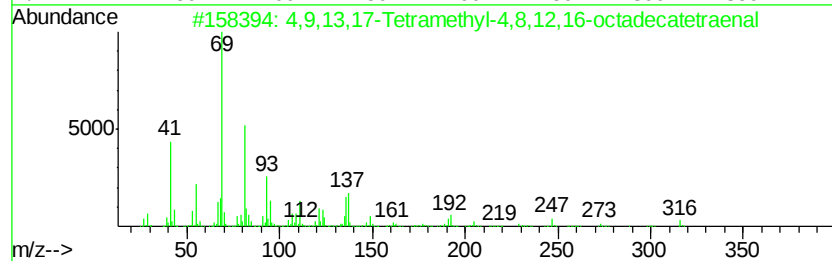
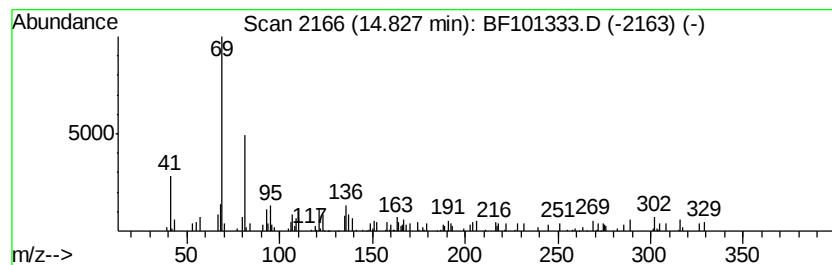
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4,9,13,17-Tetramethyl-4,8,1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.07 ng	37162	Perylene-d12	15.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4,9,13,17-Tetramethyl-4,8,12,16-...	316 C22H36O	056882-09-8	83
2	Squalene	410 C30H50	000111-02-4	53
3	Docosa-2,6,10,14,18-pentaen-22-a...	384 C27H44O	1000163-04-7	49
4	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222 C15H26O	004602-84-0	49
5	Supraene	410 C30H50	007683-64-9	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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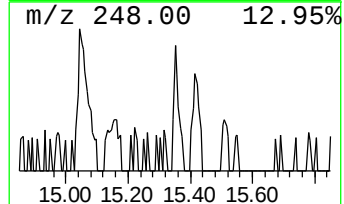
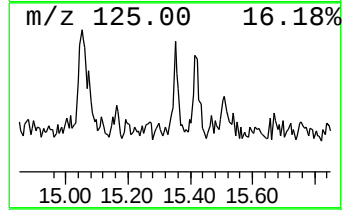
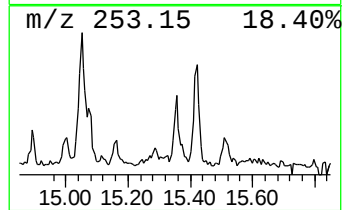
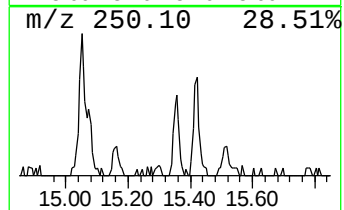
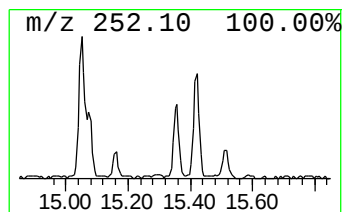
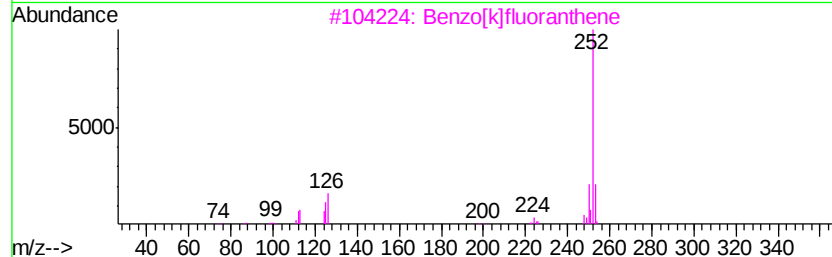
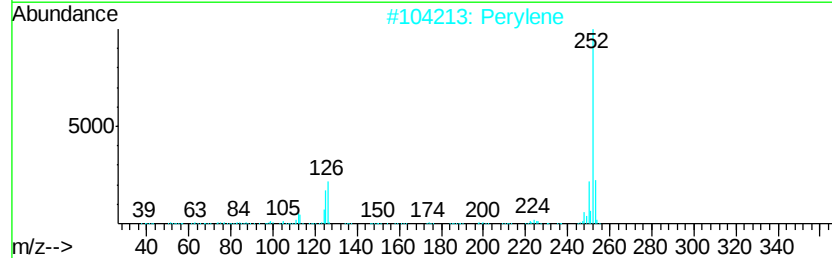
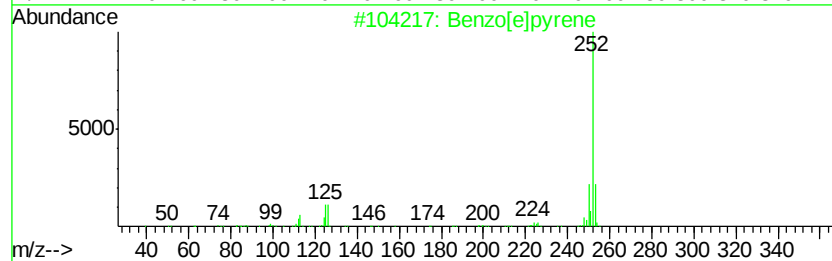
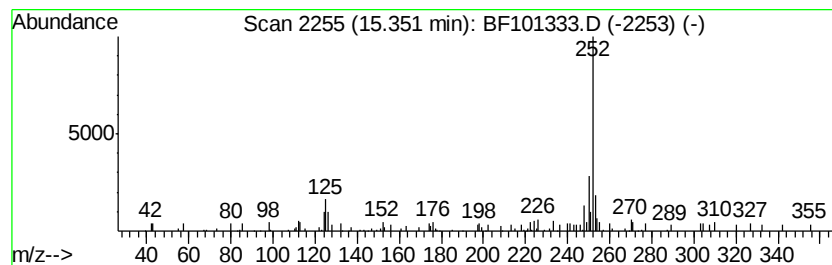
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	4.31 ng	52231	Perylene-d12	15.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 60
2		Perylene	252 C20H12	000198-55-0 53
3		Benzo[k]fluoranthene	252 C20H12	000207-08-9 53
4		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 49
5		Benzo[a]pyrene	252 C20H12	000050-32-8 49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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
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Decane	6.65	2.9	ng	37575	1	6.82	263926	20.0
Tridecane	8.69	2.9	ng	49374	2	8.10	344580	20.0
Hexadecane	9.25	2.2	ng	38110	3	9.86	341997	20.0
Dimethyl phthalate	9.57	2.2	ng	37535	3	9.86	341997	20.0
di-p-Tolylacetylene	12.40	2.3	ng	37522	4	11.35	320774	20.0
unknown13.83	13.83	2.1	ng	40288	5	14.00	383400	20.0
4,9,13,17-Tetrame...	14.83	3.1	ng	37162	6	15.48	242117	20.0
Benzo[e]pyrene	15.35	4.3	ng	52231	6	15.48	242117	20.0