

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115805.D
 Acq On : 26 Jul 2019 23:37
 Operator : HP/JU
 Sample : K3626-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072519-A

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-BF071219.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	2.158	6	12	30	rVB	527267	713574	18.11%	1.188%
2	5.493	575	579	600	rBV	2507167	2495546	63.35%	4.155%
3	6.498	745	750	753	rBV	2558358	2521795	64.02%	4.199%
4	6.640	770	774	778	rBV	2985356	2706366	68.70%	4.506%
5	6.869	809	813	821	rBV	1108353	887034	22.52%	1.477%
6	7.028	836	840	843	rBV	2430559	2088366	53.01%	3.477%
7	7.428	900	908	914	rBV	1849642	1739816	44.17%	2.897%
8	8.151	1025	1031	1037	rBV	1126428	1245727	31.62%	2.074%
9	8.198	1037	1039	1044	rVB3	58032	95094	2.41%	0.158%
10	8.445	1076	1081	1084	rBV4	68828	84019	2.13%	0.140%
11	8.657	1113	1117	1119	rBV2	91143	96444	2.45%	0.161%
12	8.739	1128	1131	1135	rBV2	187826	190206	4.83%	0.317%
13	8.969	1166	1170	1175	rBV4	107034	146886	3.73%	0.245%
14	9.175	1202	1205	1209	rVB3	84931	100340	2.55%	0.167%
15	9.222	1209	1213	1219	rBV	3203555	3179075	80.70%	5.293%
16	9.304	1224	1227	1233	rVV	295605	307769	7.81%	0.512%
17	9.375	1236	1239	1242	rVB	73827	69965	1.78%	0.116%
18	9.545	1264	1268	1269	rBV4	56478	67212	1.71%	0.112%
19	9.563	1269	1271	1273	rVV	104842	102587	2.60%	0.171%
20	9.586	1273	1275	1277	rVV2	92862	87180	2.21%	0.145%
21	9.616	1277	1280	1284	rVV	652373	723280	18.36%	1.204%
22	9.651	1284	1286	1289	rVV2	116013	115632	2.94%	0.193%
23	9.686	1289	1292	1295	rVB	104449	103625	2.63%	0.173%
24	9.763	1303	1305	1310	rBV	129494	140785	3.57%	0.234%
25	9.834	1314	1317	1322	rVB	399799	336771	8.55%	0.561%
26	9.904	1325	1329	1332	rVV	1452675	1292999	32.82%	2.153%
27	9.934	1332	1334	1337	rVB	98680	98465	2.50%	0.164%
28	10.069	1353	1357	1360	rBV4	64800	117119	2.97%	0.195%
29	10.110	1360	1364	1368	rVV3	121707	200958	5.10%	0.335%
30	10.157	1368	1372	1376	rVV5	110781	152566	3.87%	0.254%
31	10.222	1380	1383	1386	rBV4	68119	91144	2.31%	0.152%
32	10.333	1399	1402	1405	rVB	489203	381742	9.69%	0.636%
33	10.451	1418	1422	1427	rBV	201472	242673	6.16%	0.404%
34	10.557	1434	1440	1445	rBV	185795	265179	6.73%	0.442%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.604	1446	1448	1451	rVB	98128	88493	2.25%	0.147%
36	10.692	1457	1463	1471	rBV	1452358	1605552	40.76%	2.673%
37	10.804	1479	1482	1491	rVB	492935	653696	16.59%	1.088%
38	10.998	1512	1515	1518	rBV2	90555	104950	2.66%	0.175%
39	11.033	1518	1521	1524	rVB2	81889	88637	2.25%	0.148%
40	11.128	1534	1537	1539	rBV2	70258	68434	1.74%	0.114%
41	11.192	1546	1548	1552	rVV2	95531	87822	2.23%	0.146%
42	11.251	1555	1558	1561	rVV	449824	435278	11.05%	0.725%
43	11.286	1561	1564	1569	rVB	286933	305302	7.75%	0.508%
44	11.386	1578	1581	1583	rBV	1209577	1175716	29.85%	1.958%
45	11.416	1583	1586	1589	rVV	1454886	1416827	35.97%	2.359%
46	11.463	1591	1594	1598	rVV	433992	410774	10.43%	0.684%
47	11.616	1615	1620	1622	rBV3	119476	158422	4.02%	0.264%
48	11.680	1628	1631	1633	rBV	482899	372582	9.46%	0.620%
49	11.780	1644	1648	1651	rBV	1601619	1327454	33.70%	2.210%
50	11.892	1664	1667	1669	rVV	190635	191171	4.85%	0.318%
51	11.916	1669	1671	1677	rVV	284563	292859	7.43%	0.488%
52	11.969	1677	1680	1682	rVV2	106468	113056	2.87%	0.188%
53	12.004	1682	1686	1688	rVV	334845	366289	9.30%	0.610%
54	12.022	1688	1689	1693	rVB	145454	129242	3.28%	0.215%
55	12.086	1697	1700	1704	rVB	393978	320606	8.14%	0.534%
56	12.186	1714	1717	1719	rBV	147901	140153	3.56%	0.233%
57	12.210	1719	1721	1724	rVB2	69969	64645	1.64%	0.108%
58	12.369	1745	1748	1750	rBV	92913	85348	2.17%	0.142%
59	12.439	1757	1760	1761	rBV2	125673	120188	3.05%	0.200%
60	12.469	1761	1765	1766	rVV	2835217	2896306	73.52%	4.823%
61	12.486	1766	1768	1774	rVB2	3846826	3939295	100.00%	6.559%
62	12.569	1779	1782	1785	rVV	693432	554763	14.08%	0.924%
63	12.604	1785	1788	1793	rVB	2093169	1828553	46.42%	3.045%
64	12.751	1811	1813	1817	rVB2	68237	70636	1.79%	0.118%
65	12.833	1820	1827	1833	rBV	1704204	2070254	52.55%	3.447%
66	12.880	1833	1835	1840	rVB2	104358	118066	3.00%	0.197%
67	12.969	1844	1850	1859	rVB	2841762	2879759	73.10%	4.795%
68	13.051	1859	1864	1867	rBV2	147907	251384	6.38%	0.419%
69	13.133	1875	1878	1880	rBV3	145930	193841	4.92%	0.323%
70	13.157	1880	1882	1885	rVV	294537	254712	6.47%	0.424%
71	13.198	1886	1889	1891	rVV2	174105	185578	4.71%	0.309%

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72	13.222	1891	1893	1896	rVV	195898	199874	5.07%	0.333%
73	13.263	1896	1900	1903	rVV2	201072	226834	5.76%	0.378%
74	13.292	1903	1905	1908	rVB	96841	76196	1.93%	0.127%
75	13.357	1913	1916	1918	rVB	96540	78954	2.00%	0.131%
76	13.386	1918	1921	1924	rBV2	102105	112045	2.84%	0.187%
77	13.539	1944	1947	1952	rBV4	138079	186506	4.73%	0.311%
78	13.663	1965	1968	1974	rVB	172994	182926	4.64%	0.305%
79	13.774	1984	1987	1990	rBV2	141957	153245	3.89%	0.255%
80	13.804	1990	1992	1994	rVV	149056	119678	3.04%	0.199%
81	13.827	1994	1996	2001	rVV2	142303	198119	5.03%	0.330%
82	13.869	2001	2003	2008	rVB2	229500	235490	5.98%	0.392%
83	14.021	2025	2029	2032	rBV2	1393541	1903333	48.32%	3.169%
84	14.051	2032	2034	2042	rVB	900232	868280	22.04%	1.446%
85	14.133	2045	2048	2050	rVB	127629	94985	2.41%	0.158%
86	14.174	2052	2055	2059	rBV2	110443	182701	4.64%	0.304%
87	14.245	2064	2067	2071	rBV2	79850	115418	2.93%	0.192%
88	14.410	2093	2095	2099	rVB	176240	171043	4.34%	0.285%
89	14.445	2099	2101	2105	rVB	93065	76462	1.94%	0.127%
90	14.492	2106	2109	2110	rBV3	98095	89875	2.28%	0.150%
91	14.539	2114	2117	2119	rBV2	109160	102345	2.60%	0.170%
92	14.798	2158	2161	2165	rBV3	95381	115321	2.93%	0.192%
93	14.910	2176	2180	2187	rVB3	173507	289936	7.36%	0.483%
94	15.068	2203	2207	2210	rBV	908864	1368117	34.73%	2.278%
95	15.174	2222	2225	2229	rVB	220995	234059	5.94%	0.390%
96	15.374	2255	2259	2265	rVB	541853	721995	18.33%	1.202%
97	15.439	2265	2270	2275	rBV	830194	1067023	27.09%	1.777%
98	15.498	2276	2280	2283	rBV	758953	1018968	25.87%	1.697%
99	16.974	2526	2531	2538	rVB2	369964	706823	17.94%	1.177%
100	17.421	2601	2607	2622	rVB	263185	606962	15.41%	1.011%

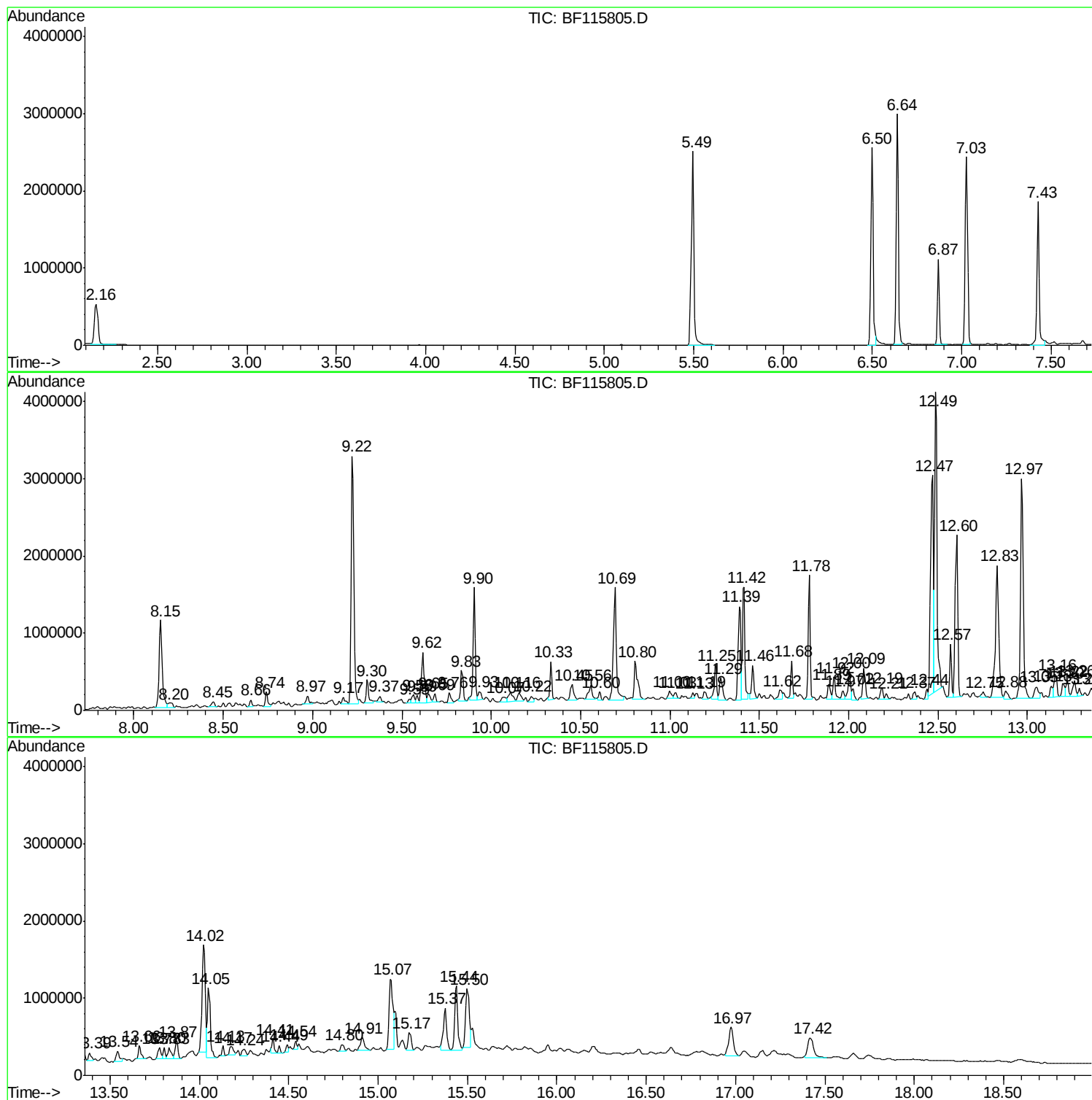
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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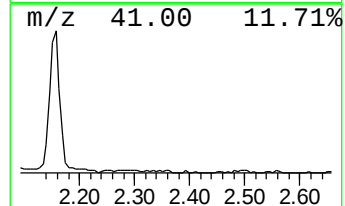
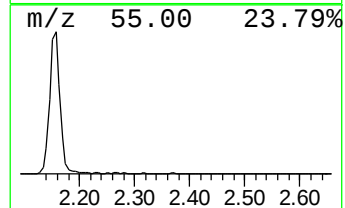
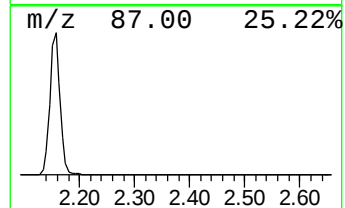
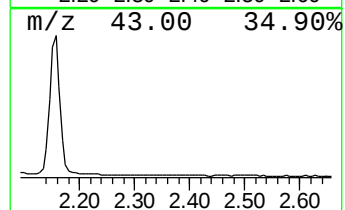
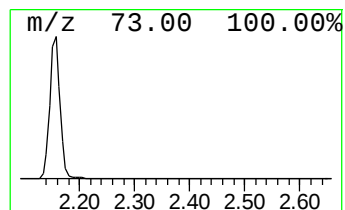
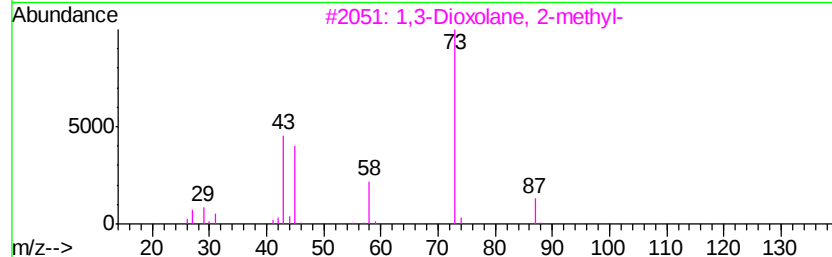
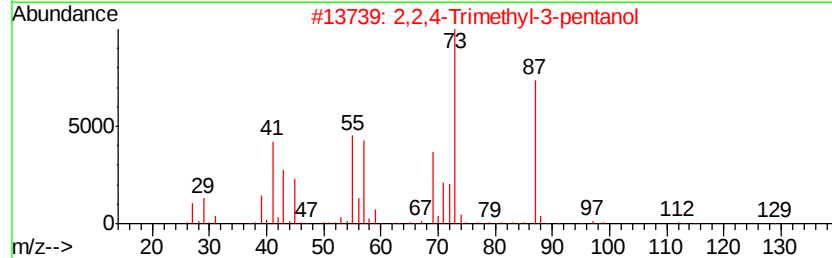
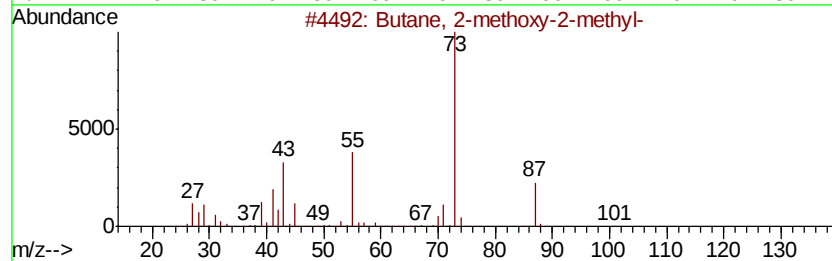
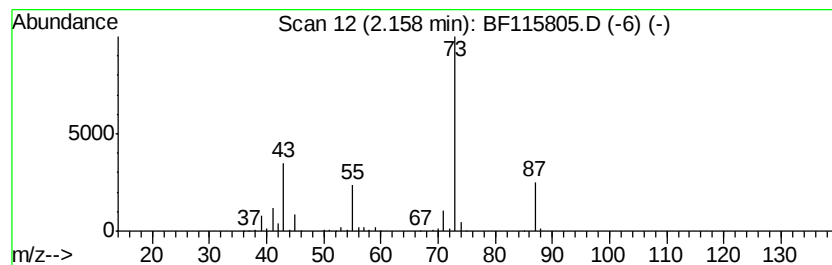
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	16.09 ng	713574	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	17



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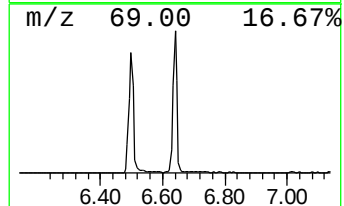
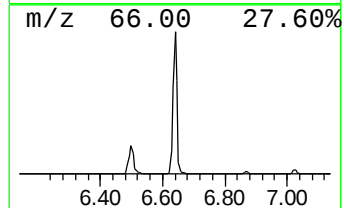
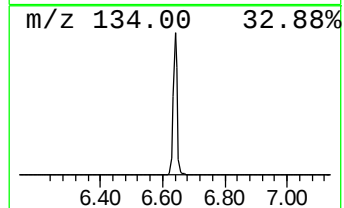
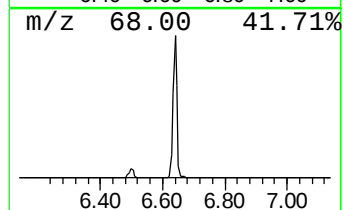
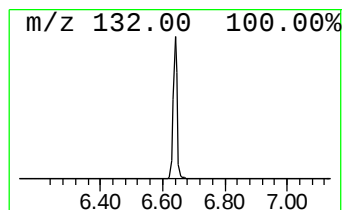
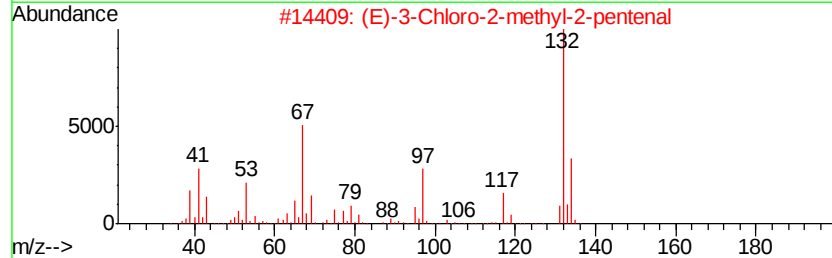
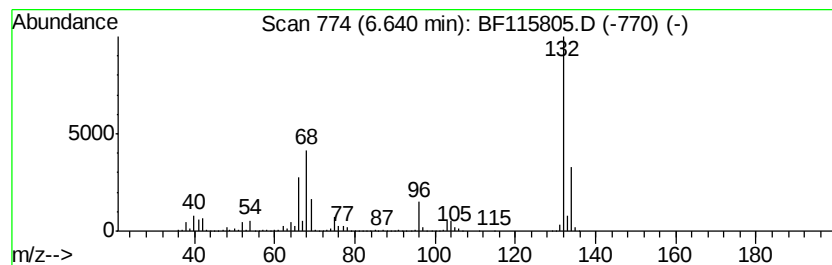
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	61.02 ng	2706370	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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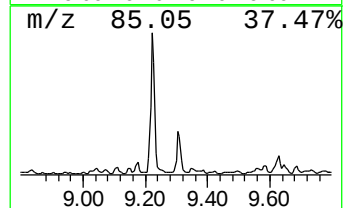
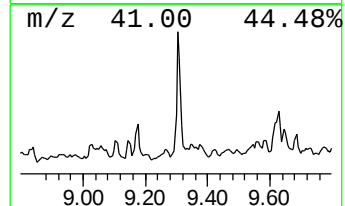
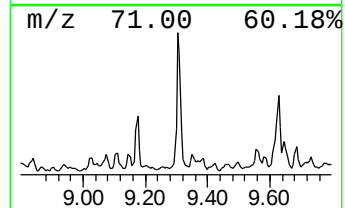
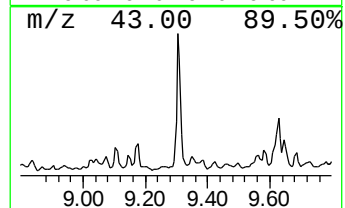
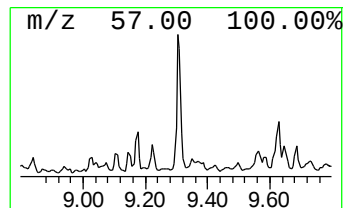
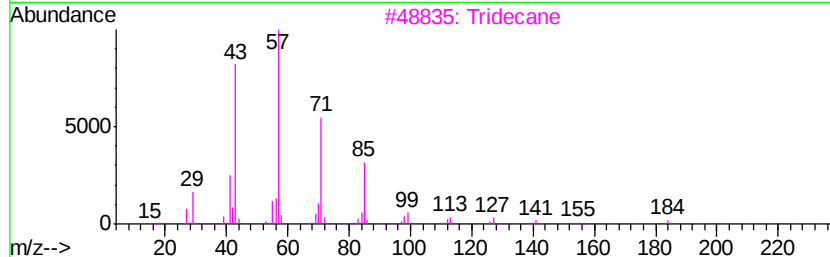
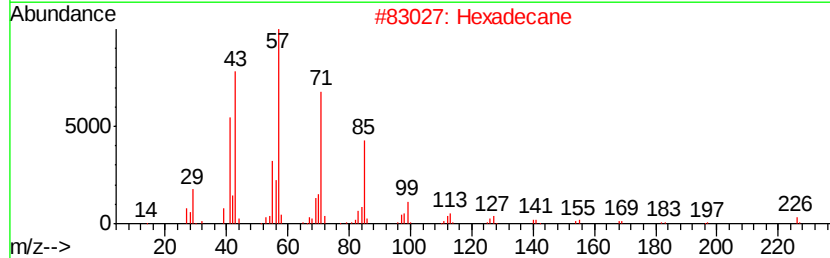
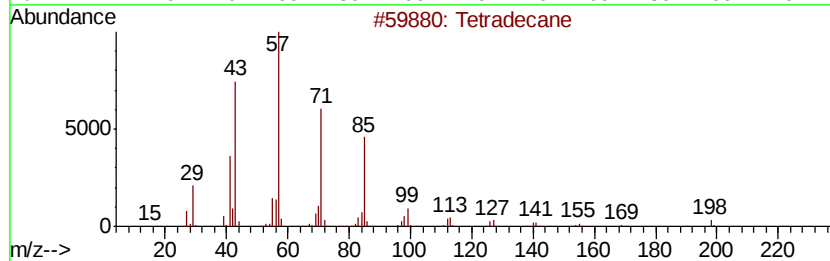
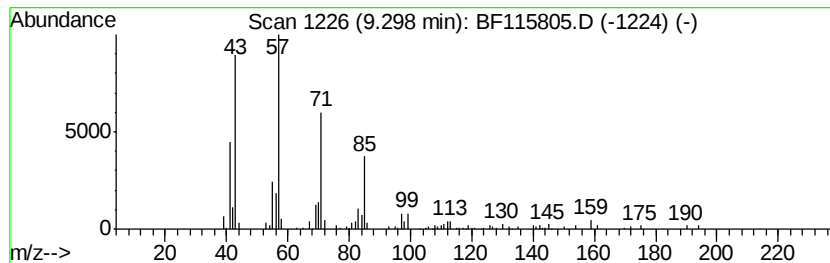
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.30	4.76 ng	307769	Acenaphthene-d10	9.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Hexadecane	226	C16H34	000544-76-3	91
3		Tridecane	184	C13H28	000629-50-5	90
4		Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
Operator : HP/JU
Sample : K3626-13
Misc :
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Instrument :
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ClientSampleId :
SU-03-072519-A

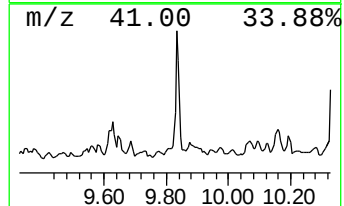
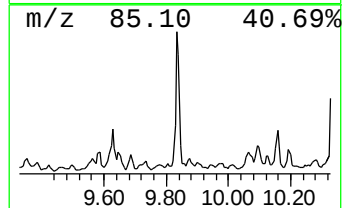
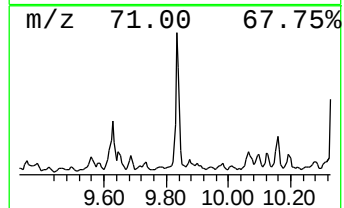
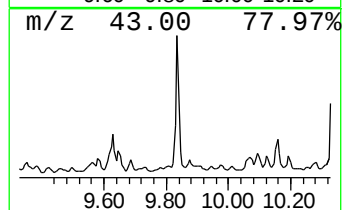
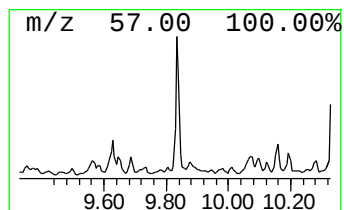
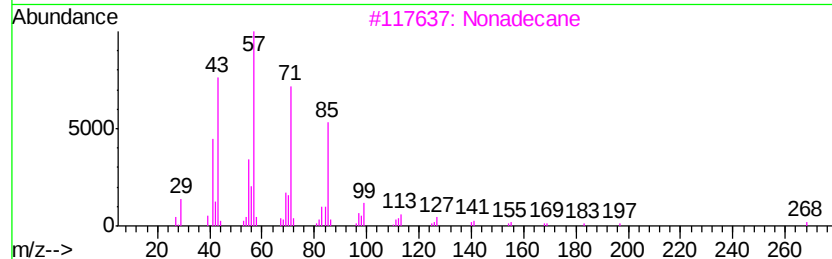
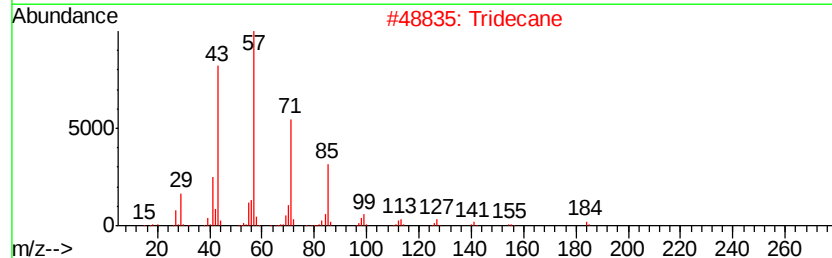
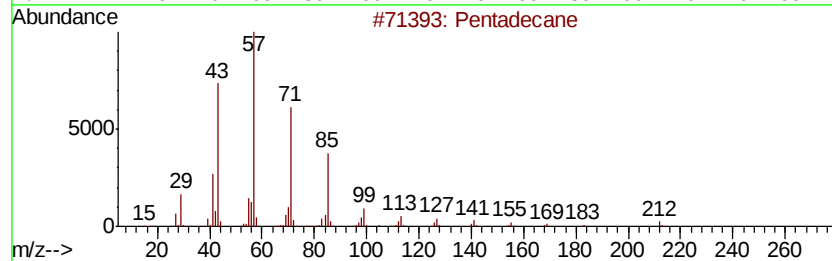
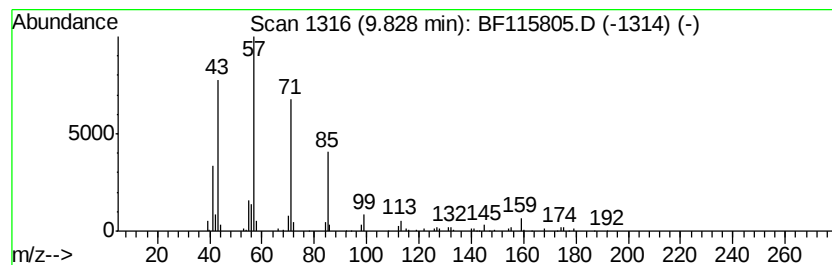
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	5.21 ng	336771	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Tridecane	184	C13H28	000629-50-5	90
3		Nonadecane	268	C19H40	000629-92-5	90
4		Hexadecane	226	C16H34	000544-76-3	80
5		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-03-072519-A

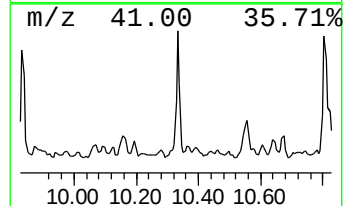
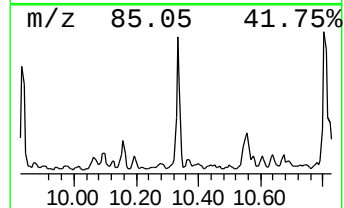
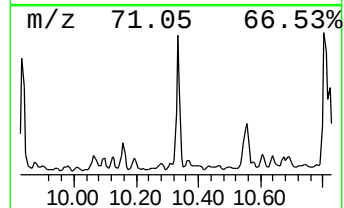
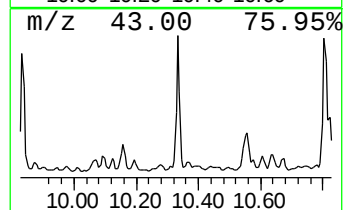
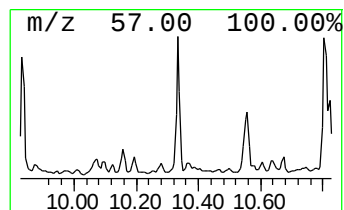
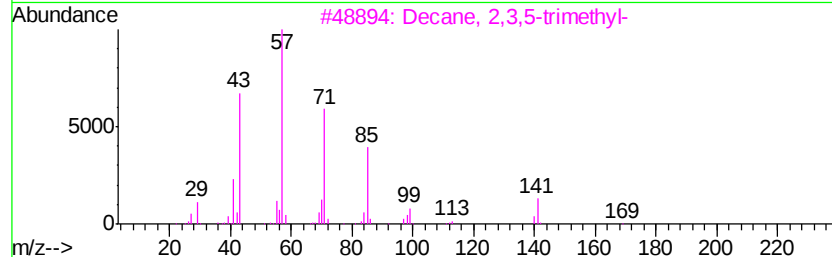
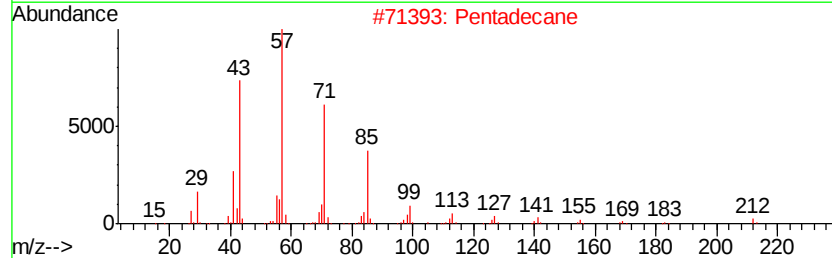
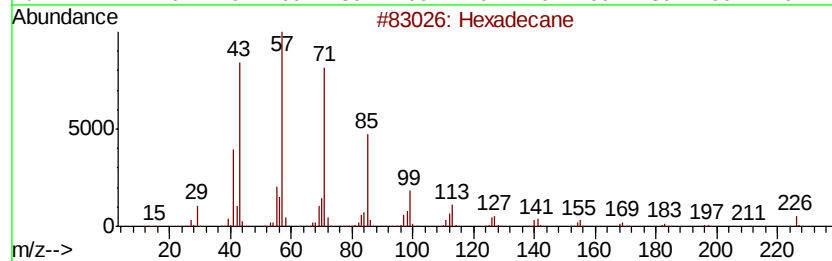
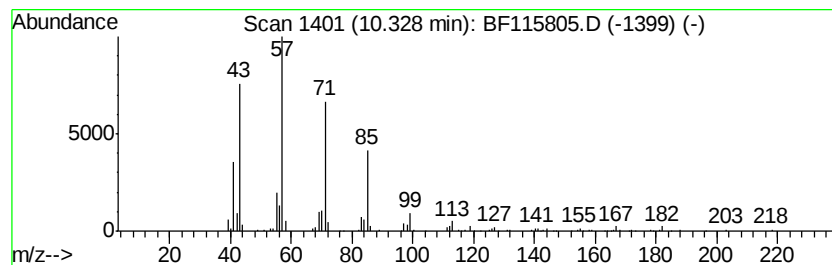
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	5.90 ng	381742	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	94
2		Pentadecane	212	C15H32	000629-62-9	90
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
4		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
5		Nonadecane	268	C19H40	000629-92-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
Operator : HP/JU
Sample : K3626-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

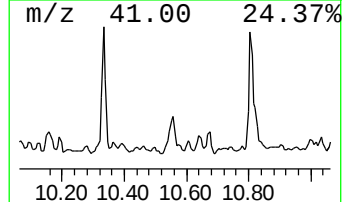
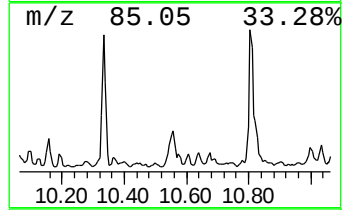
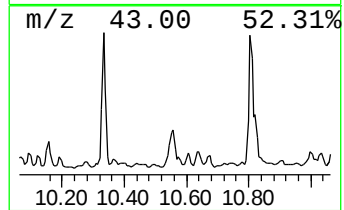
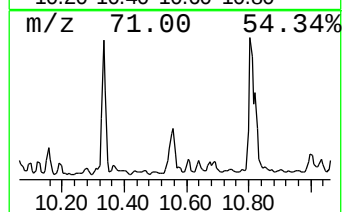
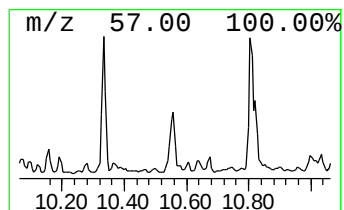
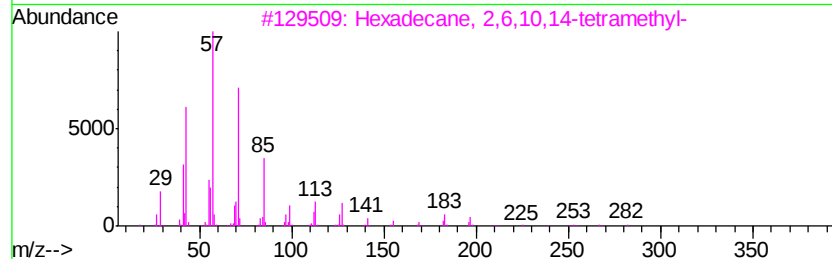
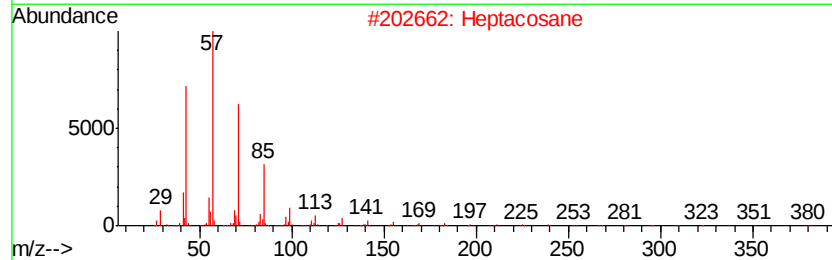
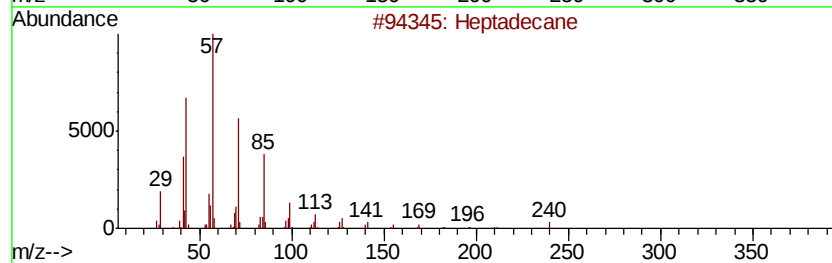
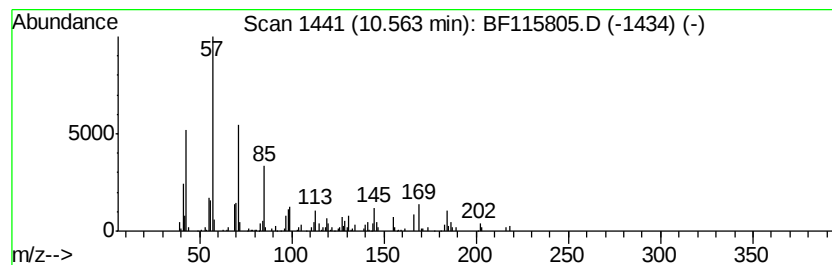
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	4.10 ng	265179	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane	240 C17H36	000629-78-7	80
2	Heptacosane	380 C27H56	000593-49-7	74
3	Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8	72
4	Decane, 2,6,8-trimethyl-	184 C13H28	062108-26-3	70
5	Dodecane, 6-methyl-	184 C13H28	006044-71-9	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
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Sample : K3626-13
Misc :
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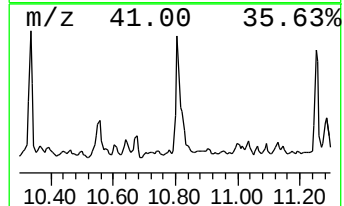
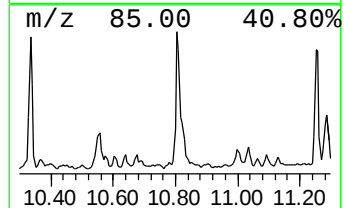
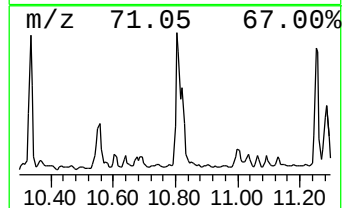
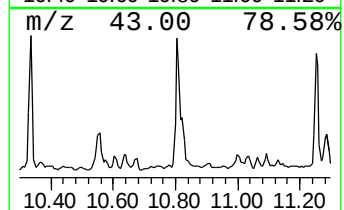
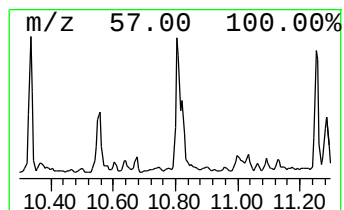
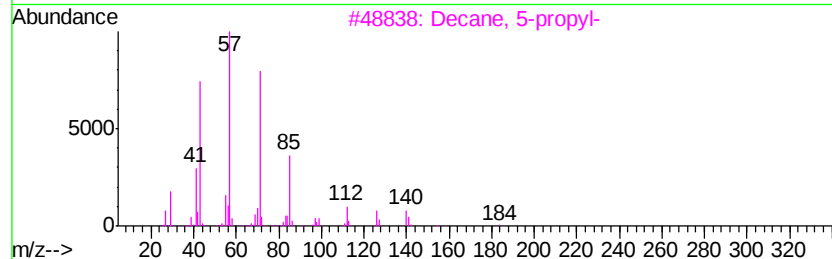
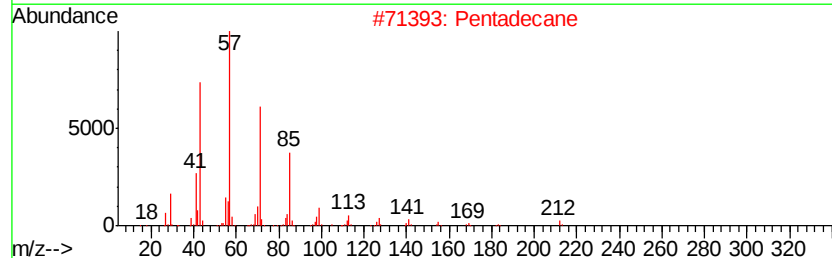
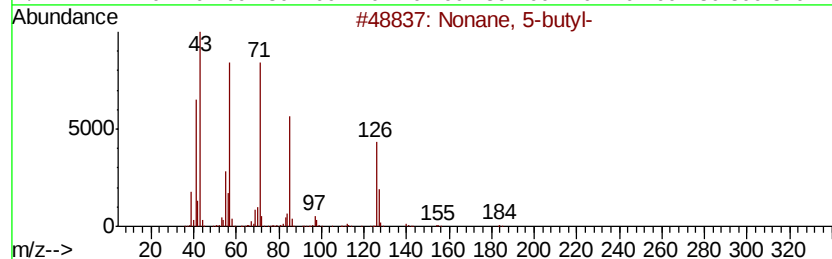
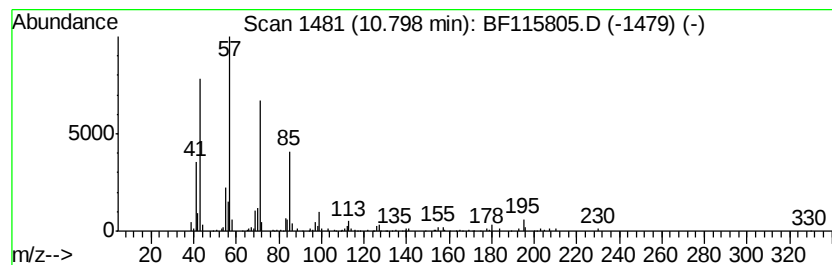
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 5-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.80	11.12 ng	653696	Phenanthrene-d10		11.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-		184	C13H28	017312-63-9	94
2	Pentadecane		212	C15H32	000629-62-9	91
3	Decane, 5-propyl-		184	C13H28	017312-62-8	90
4	Heneicosane		296	C21H44	000629-94-7	90
5	Heptadecane		240	C17H36	000629-78-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
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Misc :
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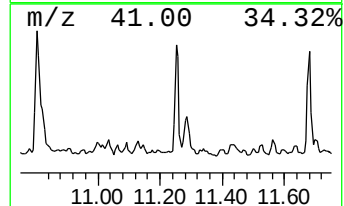
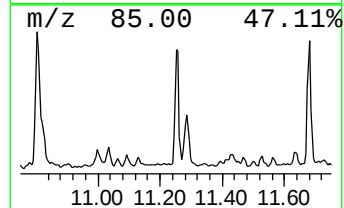
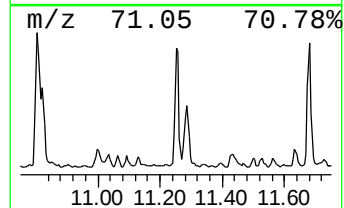
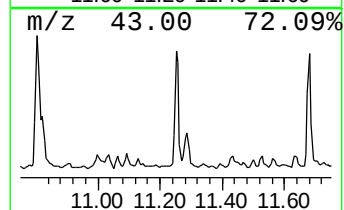
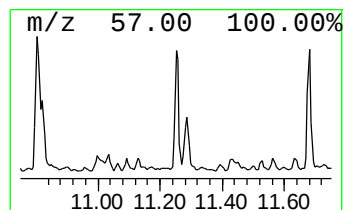
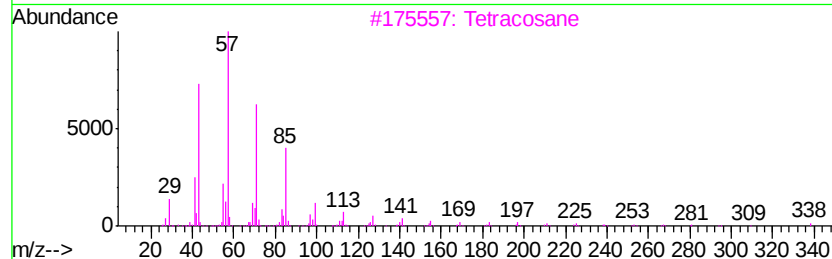
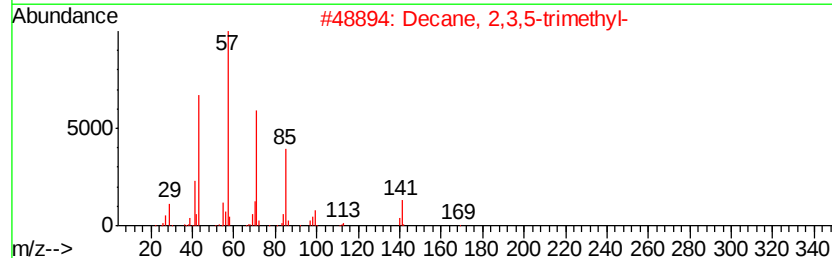
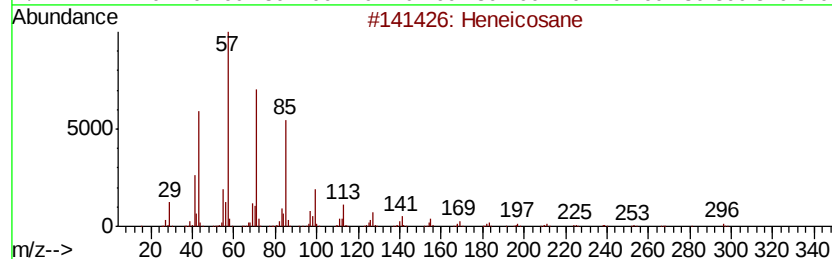
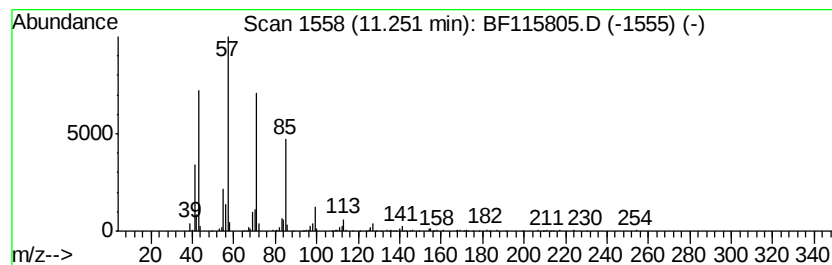
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	7.40 ng	435278	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	91
2	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	90
3	Tetracosane		338	C24H50	000646-31-1	90
4	Pentadecane		212	C15H32	000629-62-9	80
5	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
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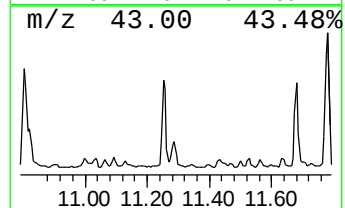
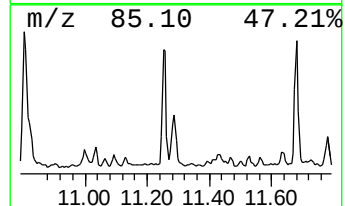
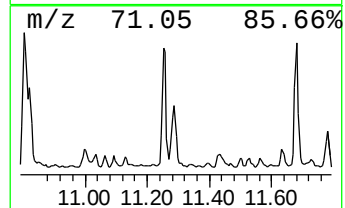
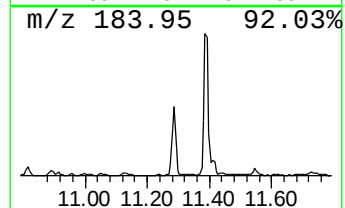
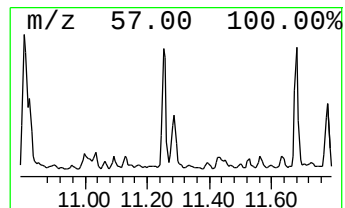
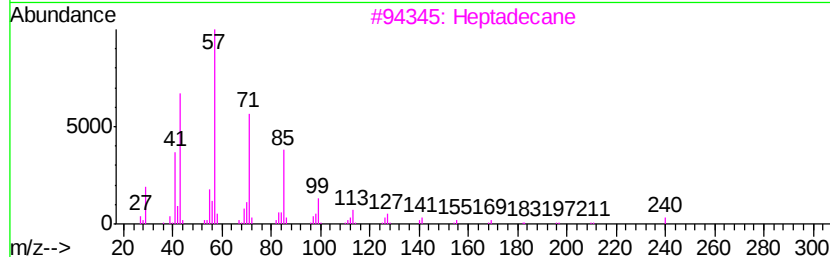
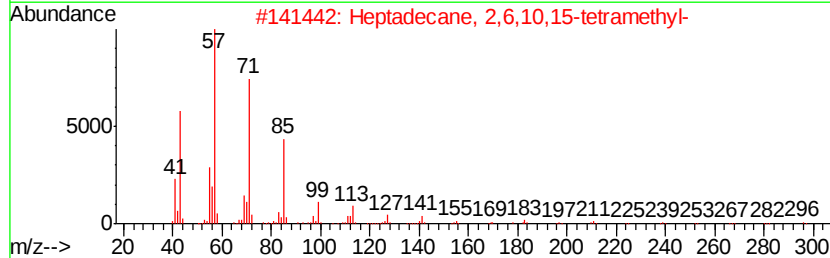
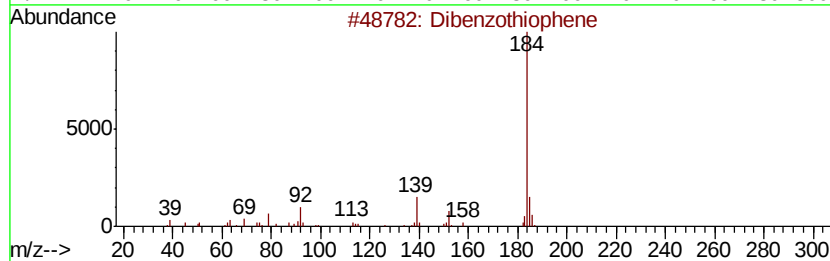
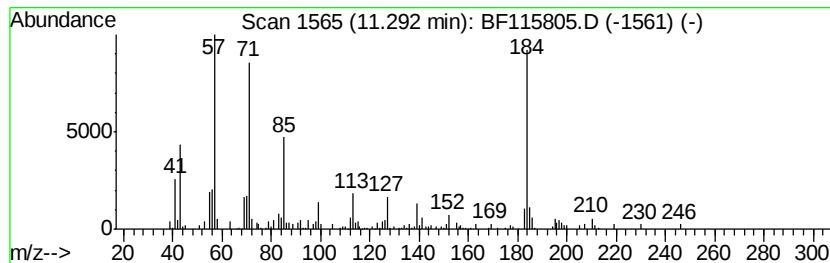
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	5.19 ng	305302	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	80
2			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53
3			Heptadecane	240	C17H36	000629-78-7	49
4			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
5			Eicosane	282	C20H42	000112-95-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
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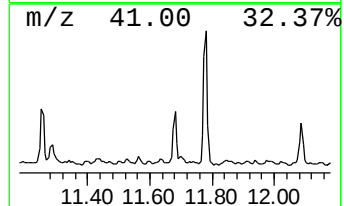
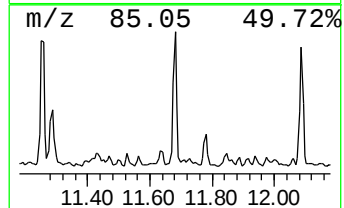
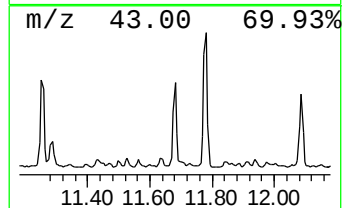
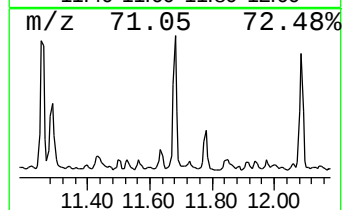
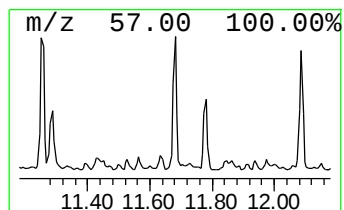
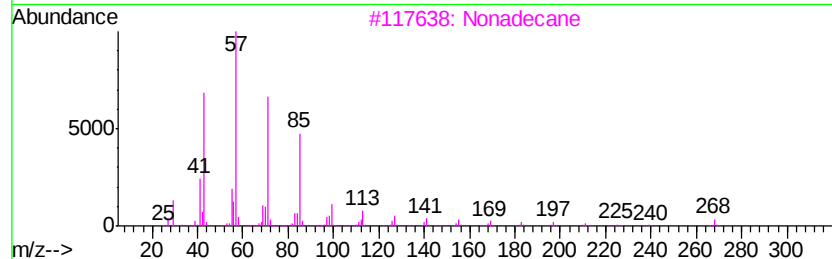
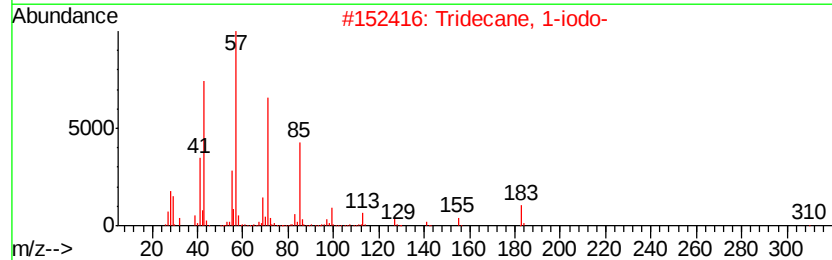
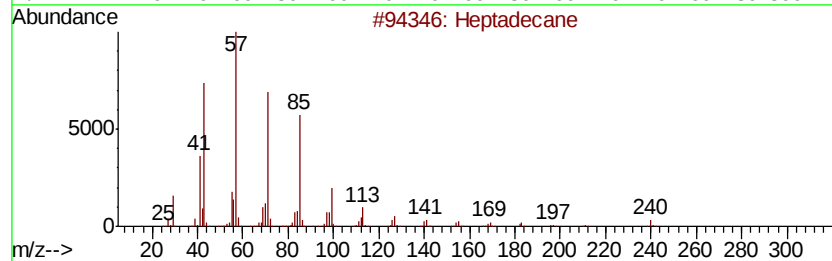
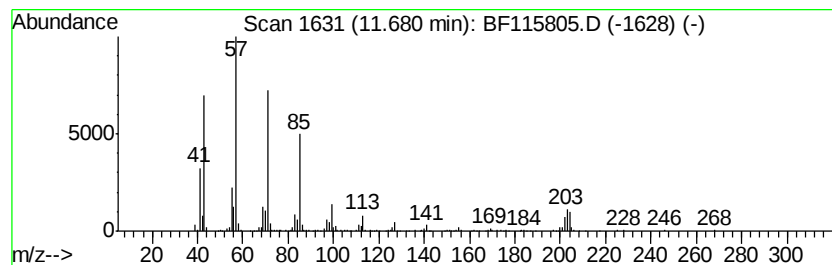
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tridecane, 1-iodo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	6.34 ng	372582	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	74
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
3		Nonadecane	268	C19H40	000629-92-5	72
4		Octadecane	254	C18H38	000593-45-3	72
5		Hexadecane	226	C16H34	000544-76-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
Operator : HP/JU
Sample : K3626-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

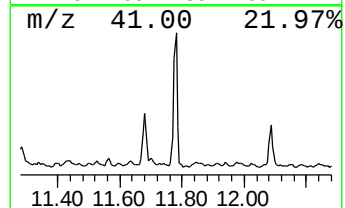
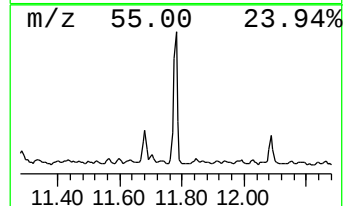
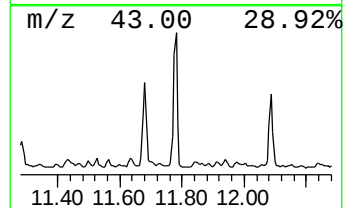
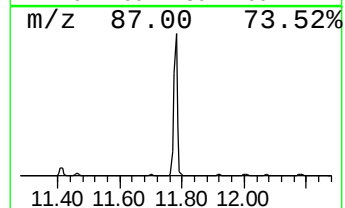
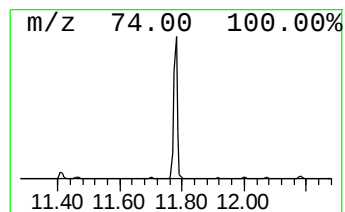
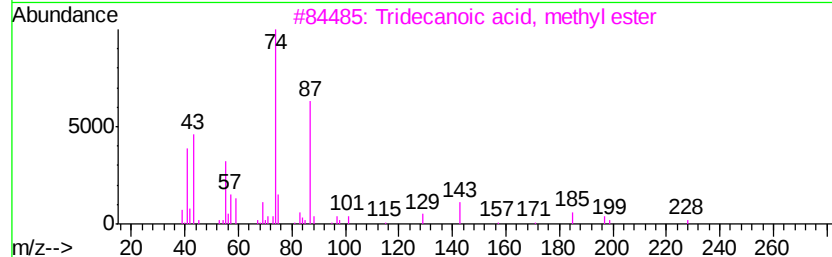
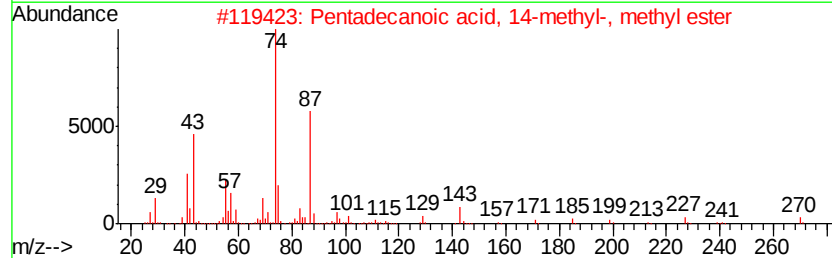
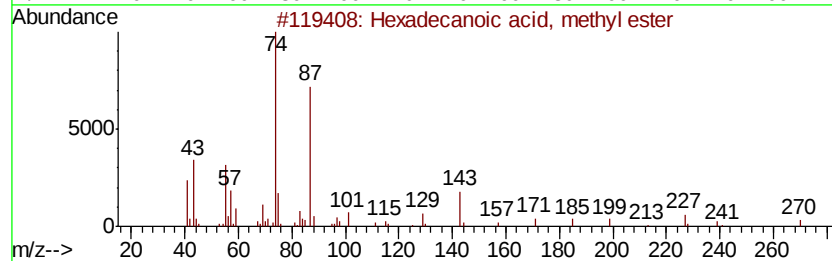
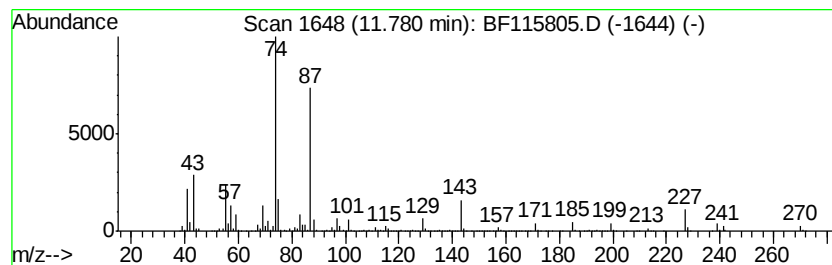
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	22.58 ng	1327450	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
4		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5		Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
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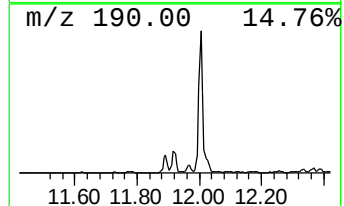
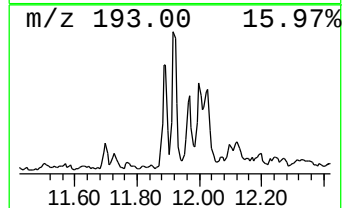
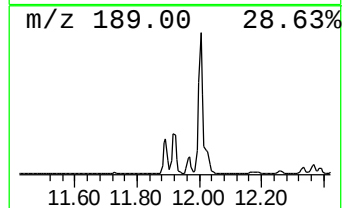
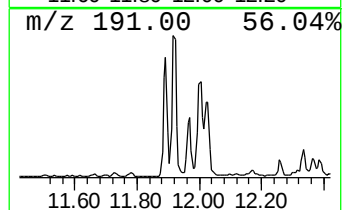
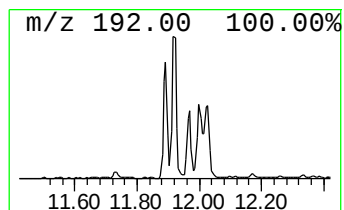
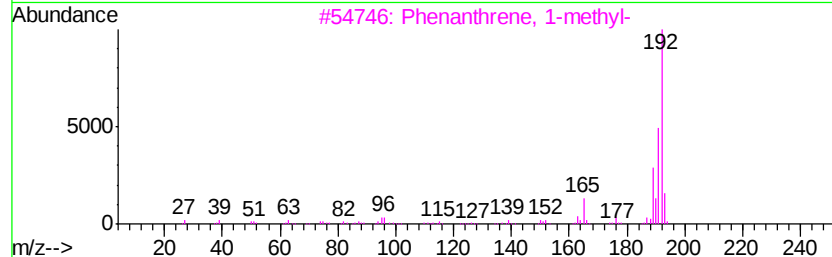
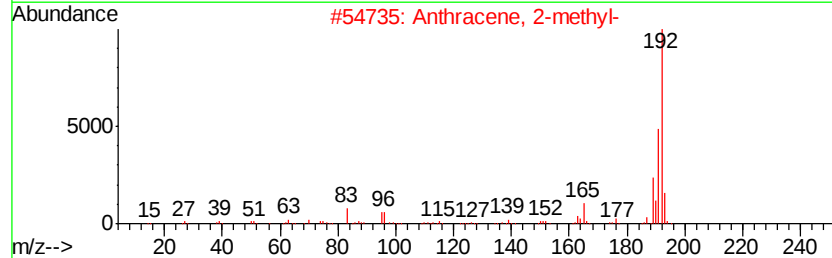
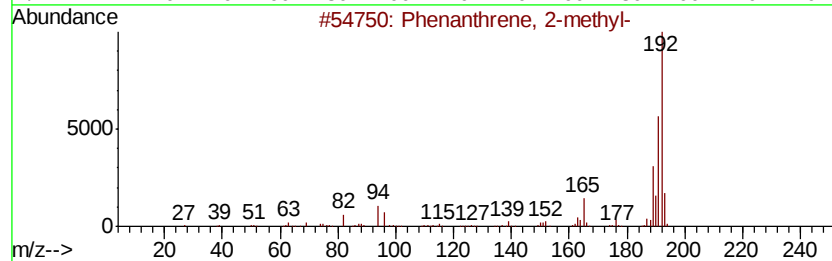
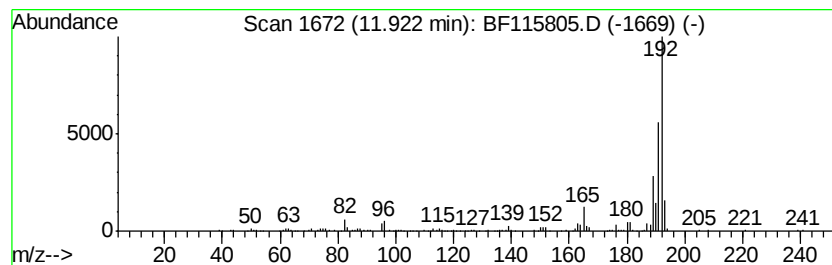
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.98 ng	292859	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
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Operator : HP/JU
Sample : K3626-13
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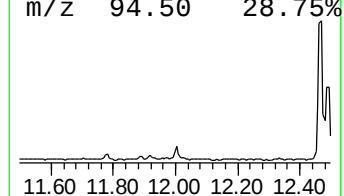
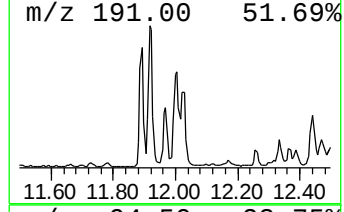
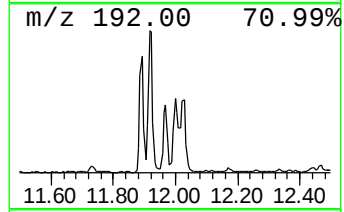
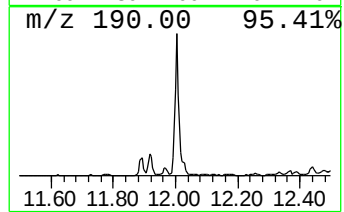
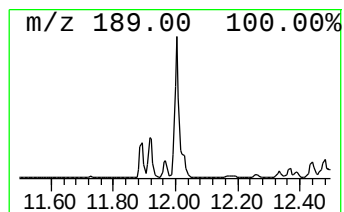
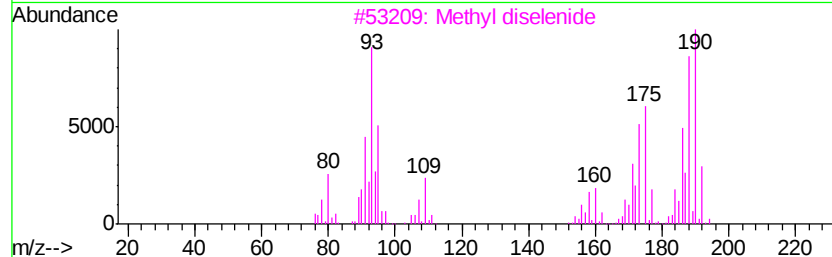
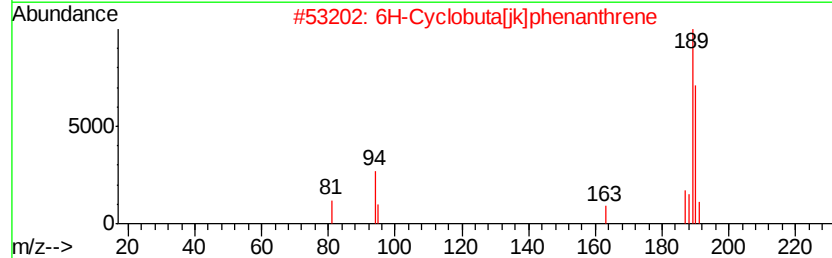
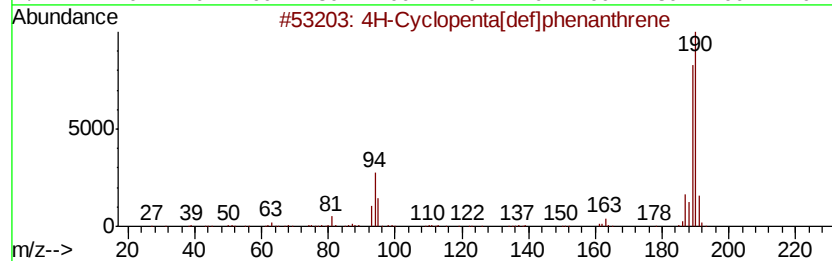
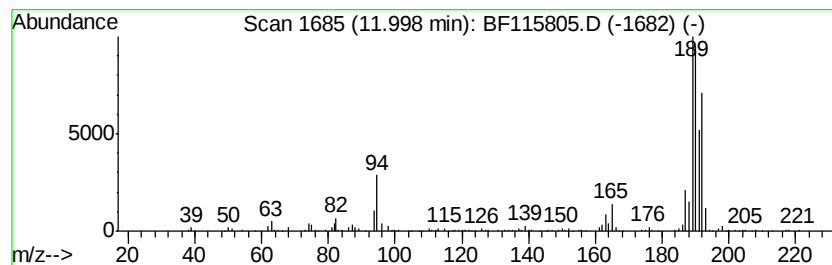
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	6.23 ng	366289	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
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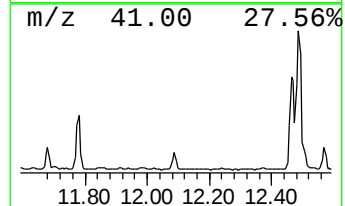
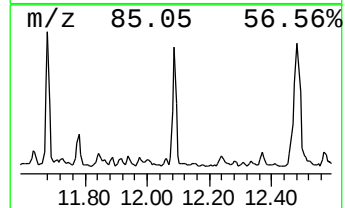
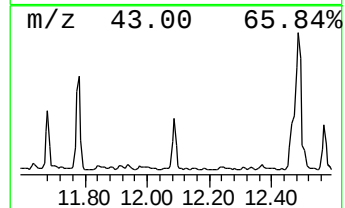
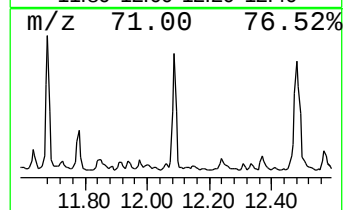
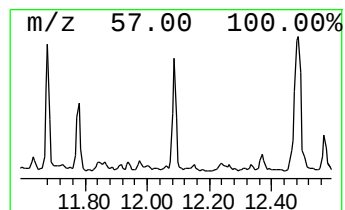
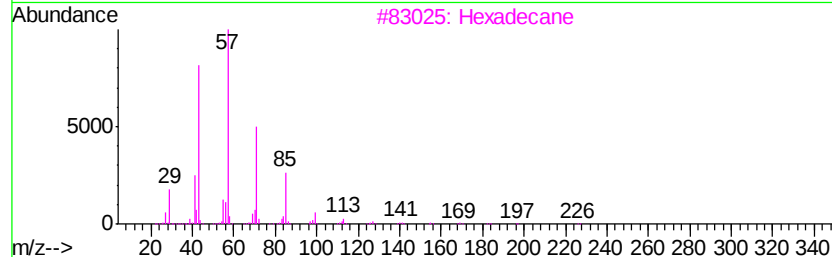
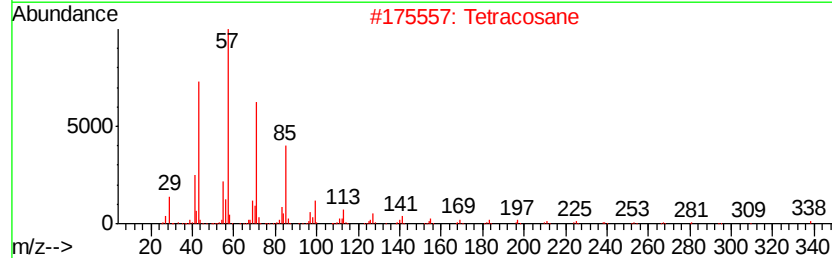
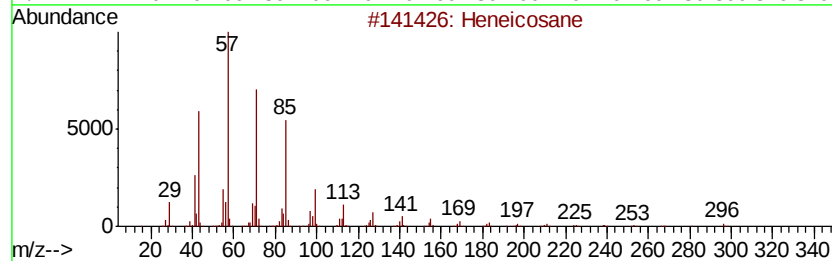
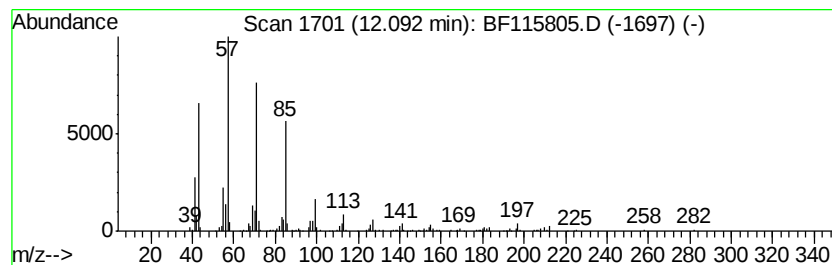
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dodecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.09	5.45 ng	320606	Phenanthrene-d10		11.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	91
2		Tetracosane	338	C24H50	000646-31-1	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
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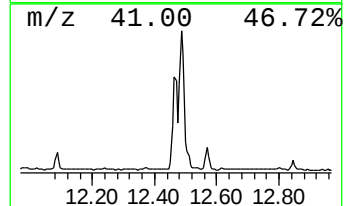
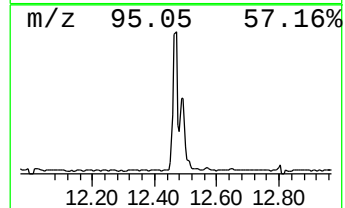
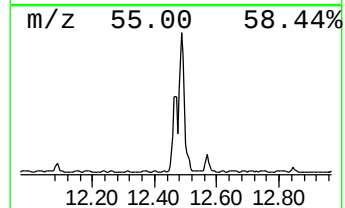
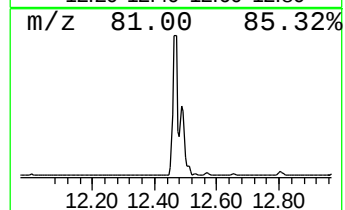
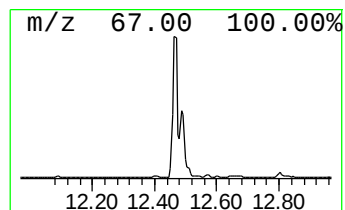
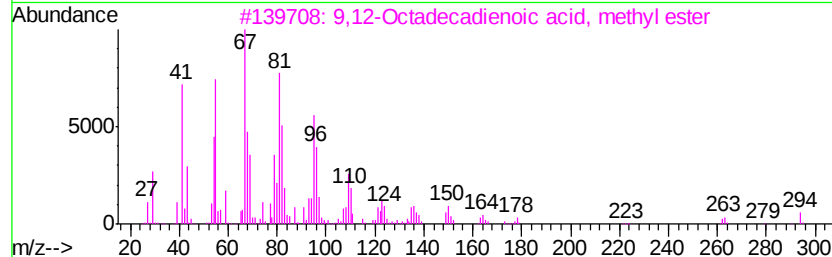
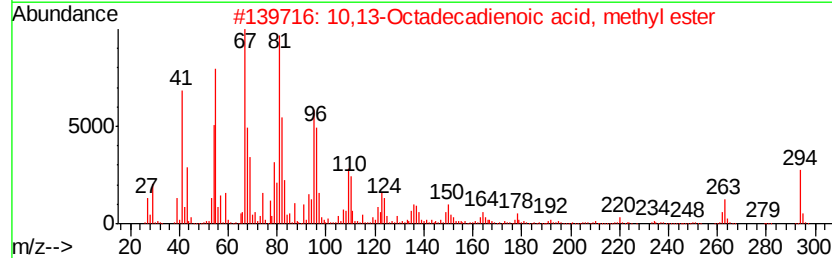
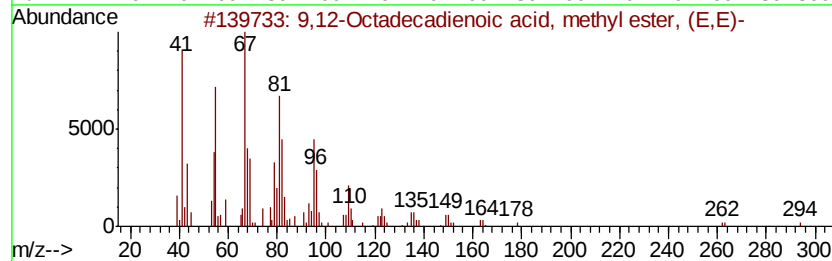
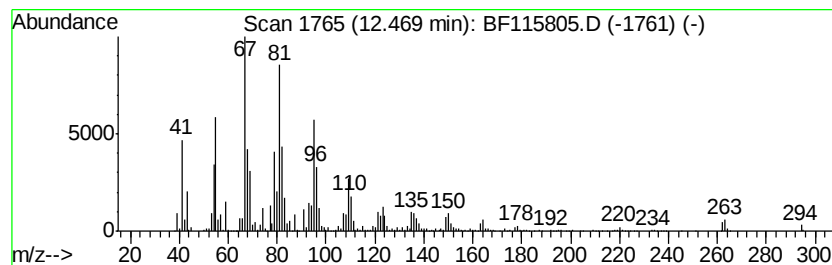
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	49.27 ng	2896310	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3		9,12-Octadecadienoic acid, methv...	294	C19H34O2	002462-85-3	99
4		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99



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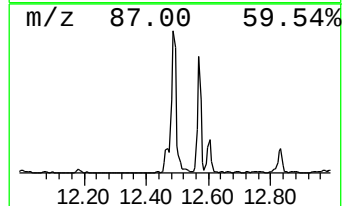
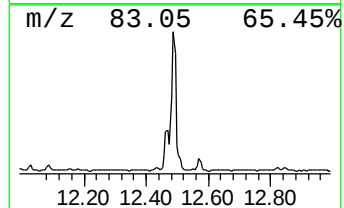
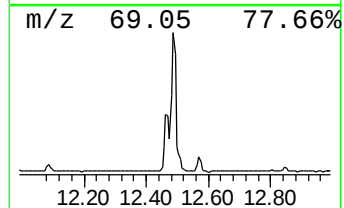
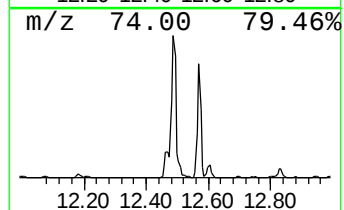
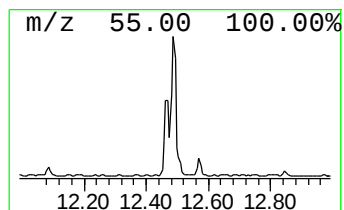
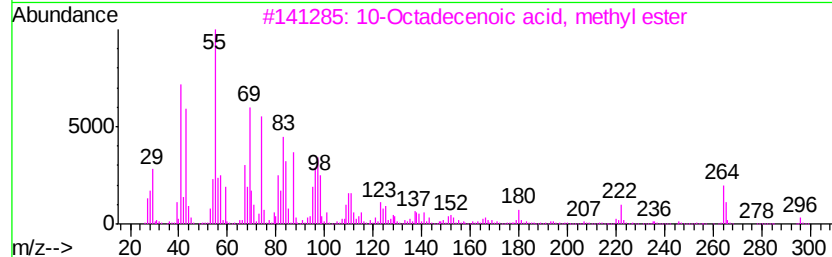
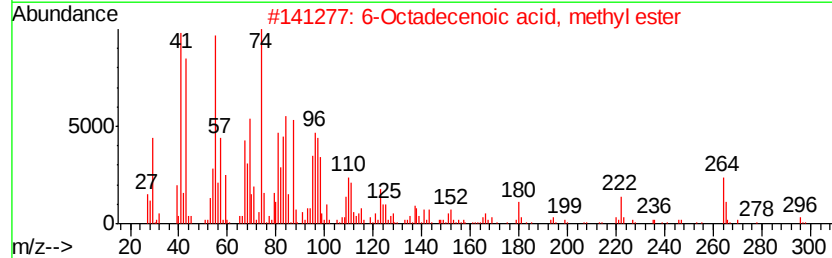
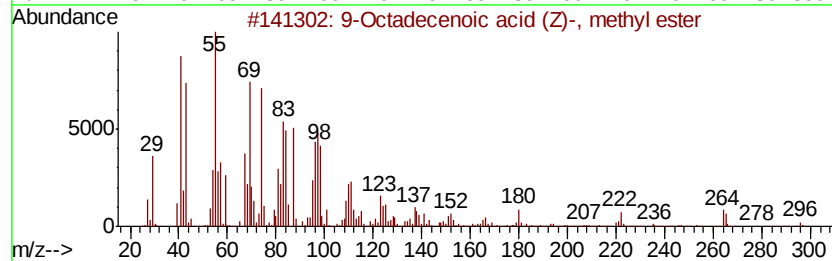
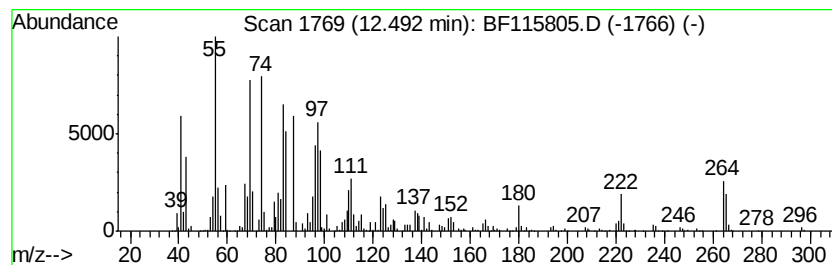
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	67.01 ng	3939300	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94
2		6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	91
3		10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	90
4		9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	90
5		11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	89



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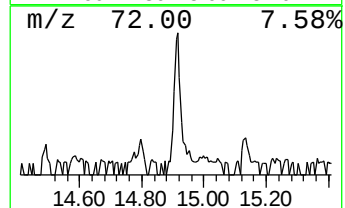
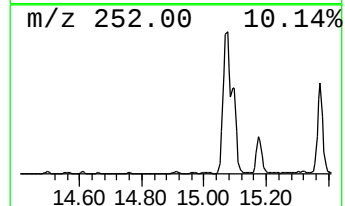
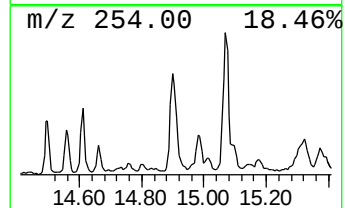
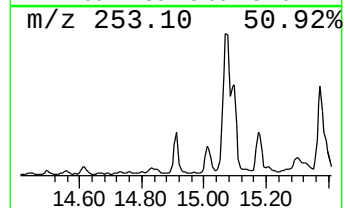
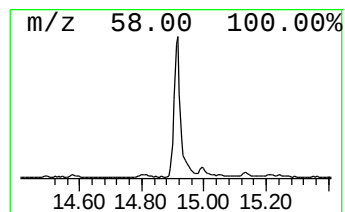
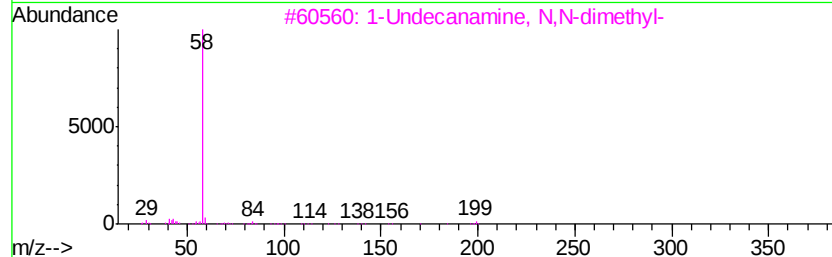
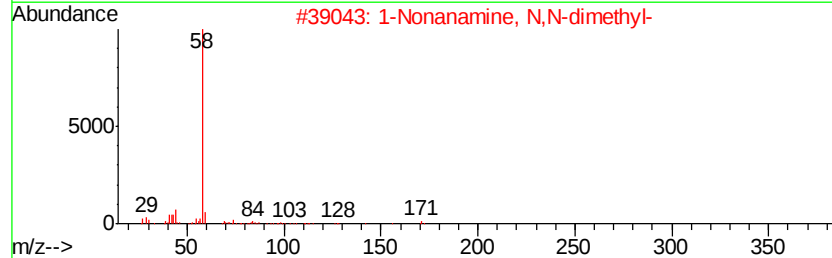
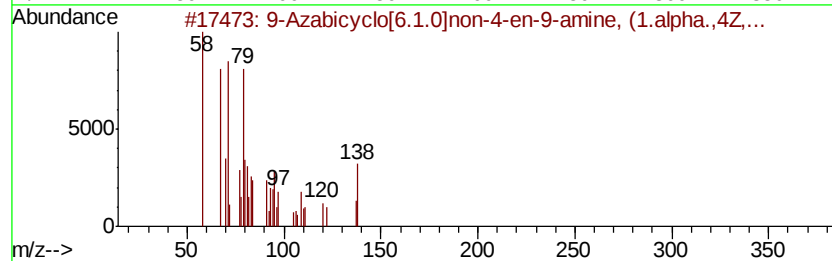
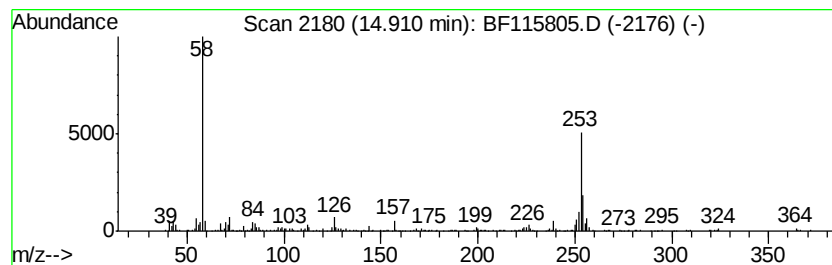
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9-Azabicyclo[6.1.0]non-4-en... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	5.69 ng	289936	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Azabicyclo[6.1.0]non-4-en-9-am...	138	C8H14N2	066387-78-8	50
2		1-Nonanamine, N,N-dimethyl-	171	C11H25N	017373-27-2	43
3		1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	43
4		N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	43
5		Dothiepin	295	C19H21NS	000113-53-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
Operator : HP/JU
Sample : K3626-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

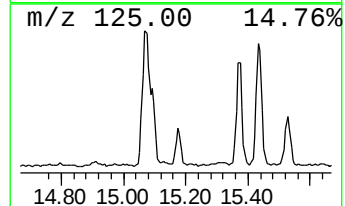
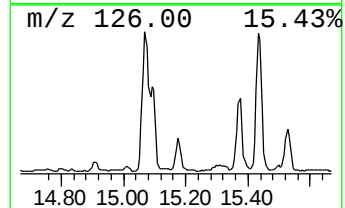
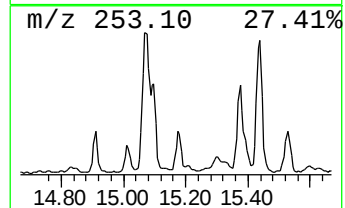
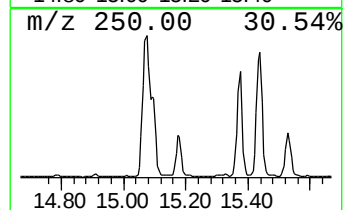
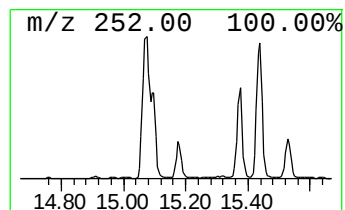
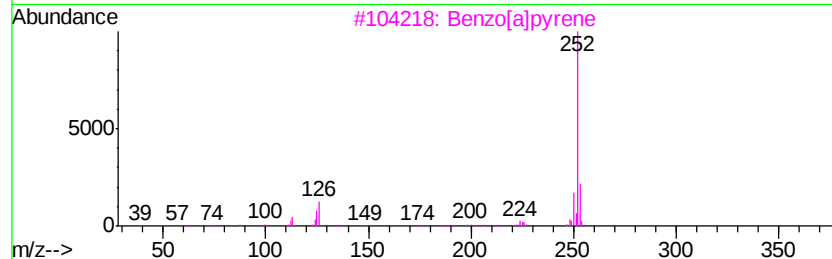
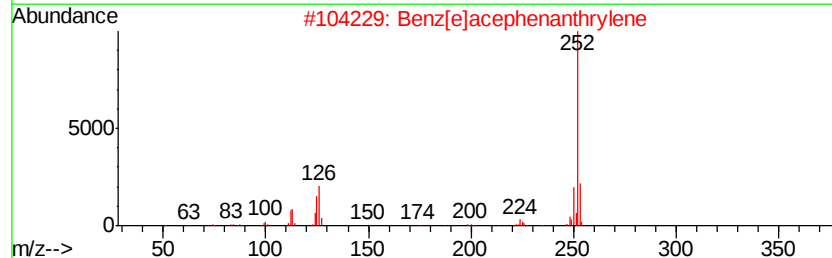
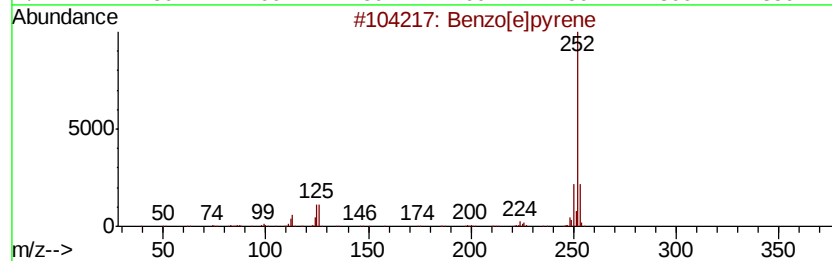
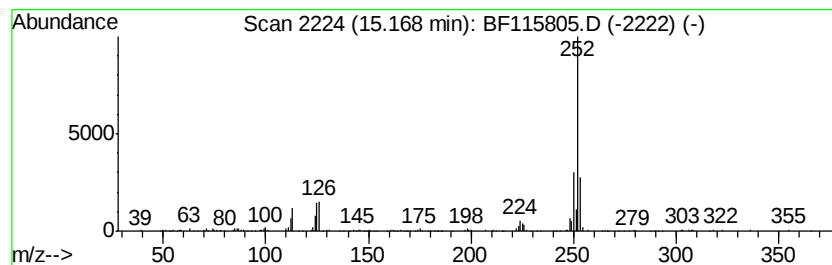
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	4.59 ng	234059	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpvrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
3		Benzo[a]bpvrene	252	C20H12	000050-32-8	93
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115805.D
Acq On : 26 Jul 2019 23:37
Operator : HP/JU
Sample : K3626-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-072519-A

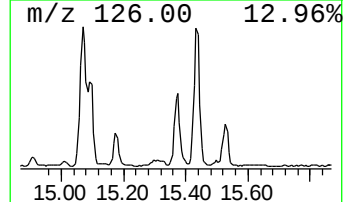
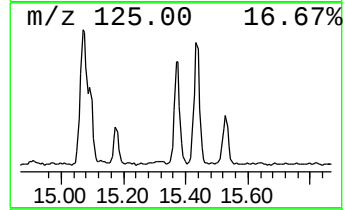
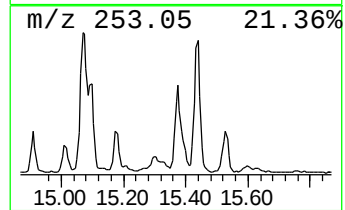
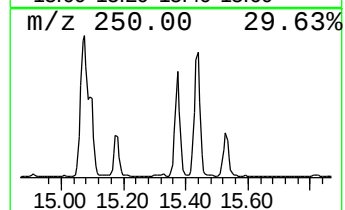
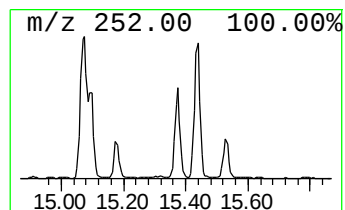
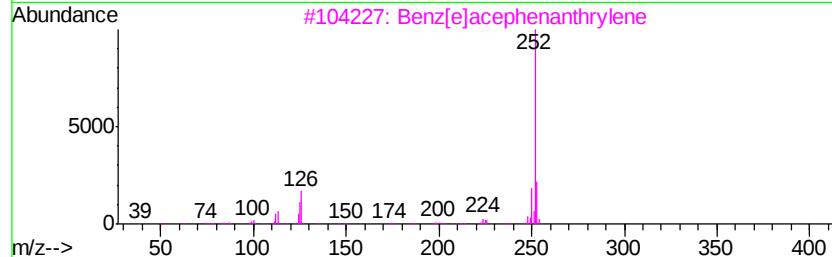
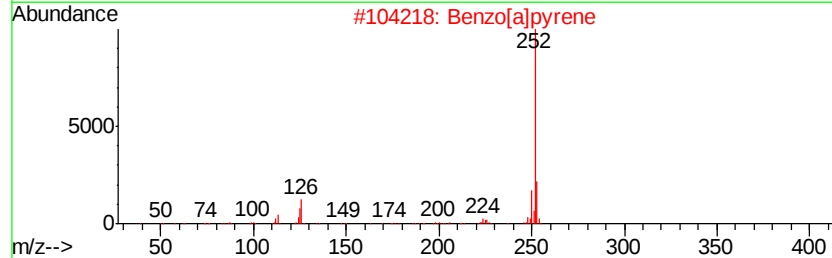
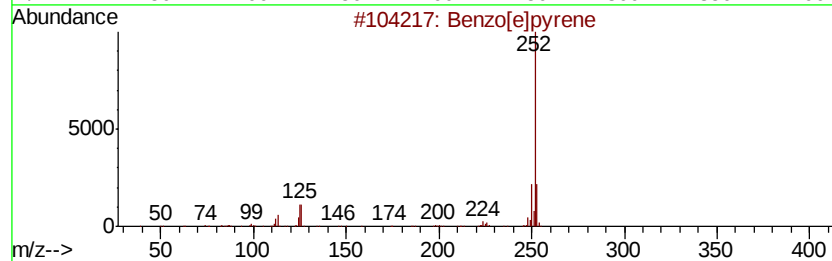
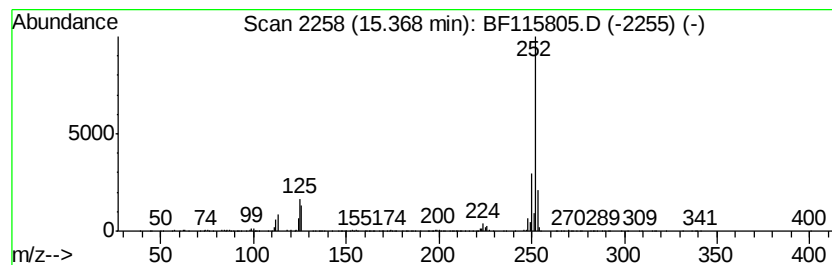
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	14.17 ng	721995	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115805.D
 Acq On : 26 Jul 2019 23:37
 Operator : HP/JU
 Sample : K3626-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.16	16.1 ng		713574	1	6.87	887034	20.0
unknown6.64	6.64	61.0 ng		2706370	1	6.87	887034	20.0
Tetradecane	9.30	4.8 ng		307769	3	9.90	1293000	20.0
Pentadecane	9.83	5.2 ng		336771	3	9.90	1293000	20.0
Hexadecane	10.33	5.9 ng		381742	3	9.90	1293000	20.0
Heptadecane	10.56	4.1 ng		265179	3	9.90	1293000	20.0
Nonane, 5-butyl-	10.80	11.1 ng		653696	4	11.39	1175720	20.0
Heneicosane	11.25	7.4 ng		435278	4	11.39	1175720	20.0
Dibenzothiophene	11.29	5.2 ng		305302	4	11.39	1175720	20.0
Tridecane, 1-iodo-	11.68	6.3 ng		372582	4	11.39	1175720	20.0
Hexadecanoic acid...	11.78	22.6 ng		1327450	4	11.39	1175720	20.0
Phenanthrene, 2-m...	11.92	5.0 ng		292859	4	11.39	1175720	20.0
4H-Cyclopenta[def...	12.00	6.2 ng		366289	4	11.39	1175720	20.0
Dodecane, 1-iodo-	12.09	5.5 ng		320606	4	11.39	1175720	20.0
9,12-Octadecadien...	12.47	49.3 ng		2896310	4	11.39	1175720	20.0
9-Octadecenoic ac...	12.49	67.0 ng		3939300	4	11.39	1175720	20.0
9-Azabicyclo[6.1...	14.91	5.7 ng		289936	6	15.50	1018970	20.0
Benzo[e]pyrene	15.17	4.6 ng		234059	6	15.50	1018970	20.0
Benzo[j]fluoranthene	15.37	14.2 ng		721995	6	15.50	1018970	20.0