

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113247.D
 Acq On : 22 Mar 2019 21:10
 Operator : JU/SJ
 Sample : K2024-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-08

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	4.887	473	476	487	rVB	80991	92456	3.46%	0.194%
2	5.328	547	551	566	rVB	649001	680030	25.43%	1.426%
3	6.357	722	726	741	rBV	1541313	1628863	60.92%	3.416%
4	6.486	744	748	755	rVV	1376602	1221243	45.68%	2.561%
5	6.710	783	786	790	rBV	946788	884436	33.08%	1.855%
6	6.869	809	813	817	rBV	1538662	1250258	46.76%	2.622%
7	7.275	873	882	888	rBV	1006965	1047290	39.17%	2.196%
8	7.322	888	890	894	rVB	96756	79236	2.96%	0.166%
9	7.998	1000	1005	1007	rBV	1210390	1274749	47.68%	2.673%
10	8.016	1007	1008	1015	rVV	646296	500128	18.71%	1.049%
11	8.428	1075	1078	1083	rBV	82862	91536	3.42%	0.192%
12	8.598	1103	1107	1112	rBV	153820	138197	5.17%	0.290%
13	8.710	1119	1126	1130	rBV	158053	171259	6.41%	0.359%
14	8.804	1139	1142	1150	rVB2	105452	133891	5.01%	0.281%
15	9.027	1177	1180	1183	rVB	129160	106687	3.99%	0.224%
16	9.069	1183	1187	1198	rBV	2026743	1794706	67.12%	3.763%
17	9.163	1198	1203	1207	rBV2	245719	283207	10.59%	0.594%
18	9.339	1229	1233	1237	rVB	68825	109850	4.11%	0.230%
19	9.410	1242	1245	1247	rBV	115342	112190	4.20%	0.235%
20	9.463	1252	1254	1256	rBV	153582	154205	5.77%	0.323%
21	9.480	1256	1257	1260	rVB	156866	99974	3.74%	0.210%
22	9.610	1276	1279	1286	rVB	67432	71671	2.68%	0.150%
23	9.692	1290	1293	1297	rVB	211398	177199	6.63%	0.372%
24	9.745	1297	1302	1305	rBV2	1335313	1303247	48.74%	2.733%
25	9.780	1305	1308	1312	rVB	365525	328386	12.28%	0.689%
26	9.857	1318	1321	1325	rVB2	48379	67125	2.51%	0.141%
27	9.922	1325	1332	1334	rBV6	36282	86164	3.22%	0.181%
28	9.951	1334	1337	1341	rBV	343849	274087	10.25%	0.575%
29	10.157	1368	1372	1374	rBV	174838	148957	5.57%	0.312%
30	10.186	1374	1377	1380	rVB	195454	161110	6.03%	0.338%
31	10.292	1392	1395	1401	rBV	458536	420734	15.74%	0.882%
32	10.357	1401	1406	1408	rVV2	50482	62099	2.32%	0.130%
33	10.410	1411	1415	1420	rVV	178179	217604	8.14%	0.456%
34	10.451	1420	1422	1426	rVB3	84892	88497	3.31%	0.186%

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35	10.533	1431	1436	1440	rVV2	275500	312617	11.69%	0.656%
36	10.657	1454	1457	1458	rBV	223470	183616	6.87%	0.385%
37	10.674	1458	1460	1465	rVB	280365	248492	9.29%	0.521%
38	10.839	1484	1488	1491	rBV4	40939	60484	2.26%	0.127%
39	10.992	1508	1514	1518	rVB6	33784	67475	2.52%	0.141%
40	11.033	1518	1521	1525	rVB	98354	86603	3.24%	0.182%
41	11.098	1526	1532	1535	rBV2	1835533	1663073	62.20%	3.487%
42	11.121	1535	1536	1540	rVV2	182720	253386	9.48%	0.531%
43	11.157	1540	1542	1545	rVB	548797	412552	15.43%	0.865%
44	11.227	1548	1554	1556	rBV	1106517	1089932	40.76%	2.286%
45	11.251	1556	1558	1562	rVV	2435666	2093531	78.30%	4.390%
46	11.304	1562	1567	1571	rVV	626190	635476	23.77%	1.333%
47	11.339	1571	1573	1577	rVB	64708	67126	2.51%	0.141%
48	11.457	1588	1593	1596	rBV	365295	374285	14.00%	0.785%
49	11.527	1602	1605	1608	rBV2	126069	121609	4.55%	0.255%
50	11.557	1608	1610	1616	rVB3	43139	59327	2.22%	0.124%
51	11.627	1618	1622	1627	rVB2	218804	248224	9.28%	0.521%
52	11.727	1636	1639	1641	rBV	176190	150188	5.62%	0.315%
53	11.757	1641	1644	1648	rVB2	283024	264951	9.91%	0.556%
54	11.804	1648	1652	1654	rVB2	68852	70632	2.64%	0.148%
55	11.839	1654	1658	1660	rBV	375929	345509	12.92%	0.725%
56	11.933	1672	1674	1677	rVB	110453	103653	3.88%	0.217%
57	12.027	1687	1690	1693	rBV2	260095	334978	12.53%	0.702%
58	12.145	1706	1710	1713	rBV	1431327	1264257	47.28%	2.651%
59	12.274	1729	1732	1735	rBV	84009	96169	3.60%	0.202%
60	12.321	1737	1740	1744	rVV3	108208	144487	5.40%	0.303%
61	12.363	1744	1747	1751	rVB	76174	82014	3.07%	0.172%
62	12.439	1756	1760	1763	rBV	2445046	2208469	82.60%	4.631%
63	12.586	1782	1785	1792	rVV2	84491	150170	5.62%	0.315%
64	12.663	1792	1798	1801	rVV	1910199	2219674	83.02%	4.655%
65	12.692	1801	1803	1805	rVV2	134750	137332	5.14%	0.288%
66	12.710	1805	1806	1812	rVB2	73407	88819	3.32%	0.186%
67	12.804	1819	1822	1830	rVB	1428627	1487998	55.65%	3.120%
68	12.868	1830	1833	1835	rBV	121656	145615	5.45%	0.305%
69	12.910	1839	1840	1843	rVB	90579	75316	2.82%	0.158%
70	12.968	1843	1850	1852	rBV3	150072	231690	8.67%	0.486%
71	12.992	1852	1854	1858	rVV2	321794	353912	13.24%	0.742%

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72	13.057	1861	1865	1867	rVV2	304159	313081	11.71%	0.657%
73	13.104	1867	1873	1879	rVB4	207167	435675	16.29%	0.914%
74	13.186	1885	1887	1889	rVV	79638	61335	2.29%	0.129%
75	13.215	1889	1892	1896	rVB2	186548	171555	6.42%	0.360%
76	13.286	1900	1904	1907	rVB	1109521	1043295	39.02%	2.188%
77	13.392	1919	1922	1924	rBV	181713	155780	5.83%	0.327%
78	13.498	1938	1940	1945	rVB	117803	129076	4.83%	0.271%
79	13.610	1955	1959	1961	rBV2	184070	211586	7.91%	0.444%
80	13.633	1961	1963	1965	rVV	157122	124670	4.66%	0.261%
81	13.662	1965	1968	1972	rVV2	118409	178893	6.69%	0.375%
82	13.715	1973	1977	1985	rVB3	196641	298063	11.15%	0.625%
83	13.792	1987	1990	1993	rVB	578295	467199	17.47%	0.980%
84	13.857	1993	2001	2004	rBV2	1726534	2673720	100.00%	5.607%
85	13.886	2004	2006	2009	rVB	1013039	758951	28.39%	1.592%
86	13.962	2016	2019	2022	rVB	263480	220938	8.26%	0.463%
87	14.033	2028	2031	2036	rVB2	235831	286853	10.73%	0.602%
88	14.245	2065	2067	2070	rVB	157115	123623	4.62%	0.259%
89	14.339	2080	2083	2085	rBV2	307652	266711	9.98%	0.559%
90	14.368	2086	2088	2090	rBV	101682	92057	3.44%	0.193%
91	14.633	2130	2133	2135	rVB	239440	203140	7.60%	0.426%
92	14.874	2169	2174	2177	rBV	965598	1504073	56.25%	3.154%
93	14.945	2184	2186	2189	rBV2	210213	216580	8.10%	0.454%
94	15.156	2218	2222	2227	rVB	567755	757628	28.34%	1.589%
95	15.215	2227	2232	2237	rVV	804656	1013208	37.90%	2.125%
96	15.274	2237	2242	2244	rVV	833896	1056035	39.50%	2.214%
97	15.298	2244	2246	2253	rVB	431597	559918	20.94%	1.174%
98	15.704	2313	2315	2320	rVB	158423	196030	7.33%	0.411%
99	16.633	2469	2473	2480	rVB2	303727	537554	20.11%	1.127%
100	17.045	2538	2543	2554	rVB	212615	435171	16.28%	0.913%

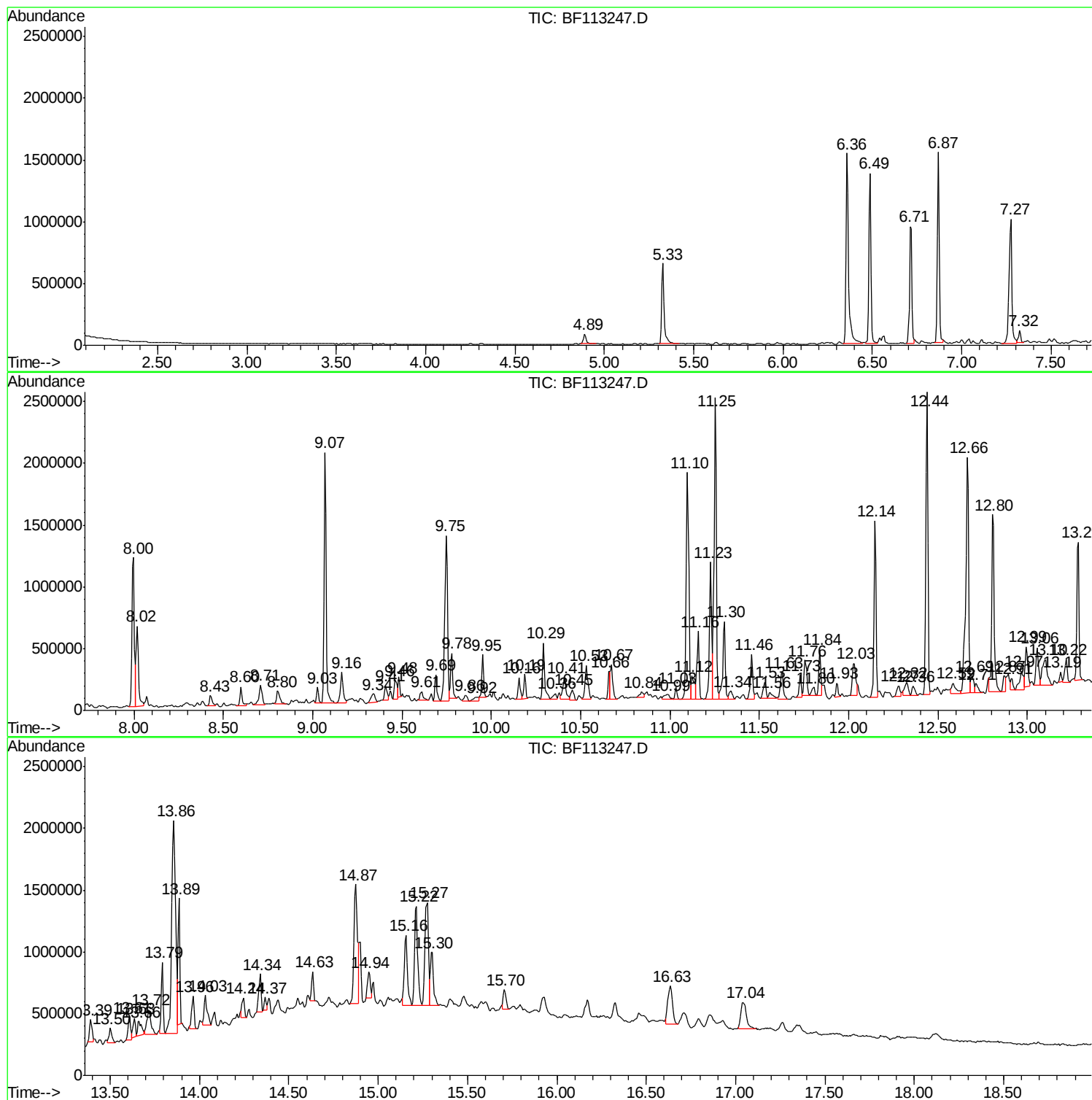
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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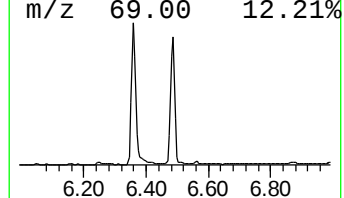
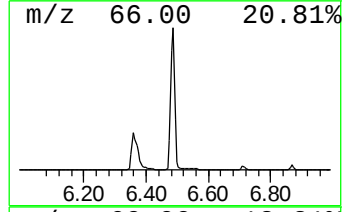
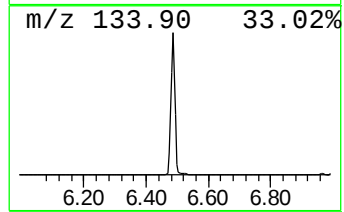
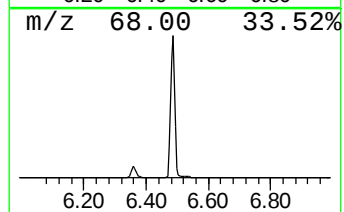
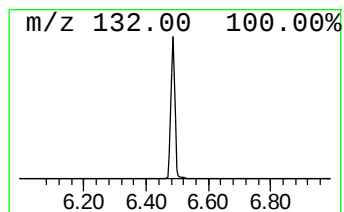
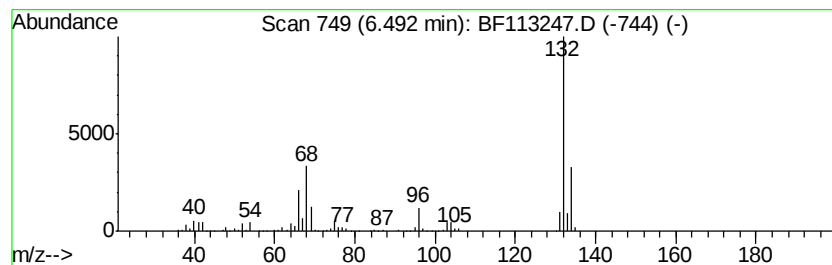
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	27.62 ng	1221240	1,4-Dichlorobenzene-d4	6.72

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	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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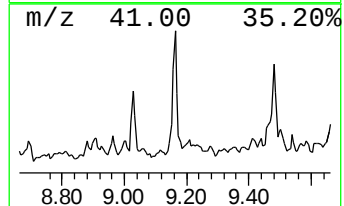
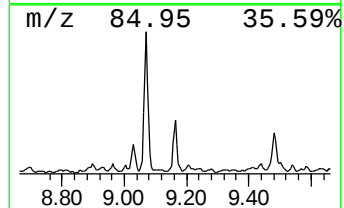
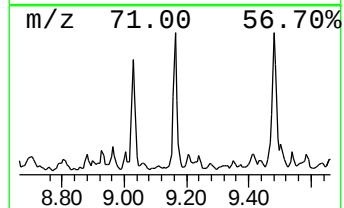
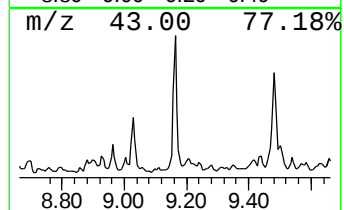
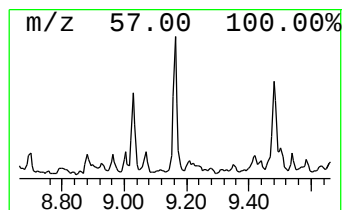
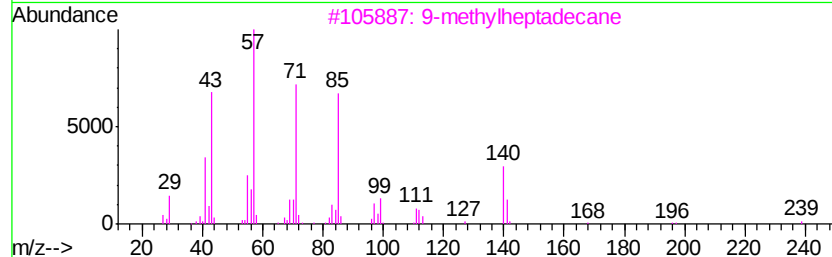
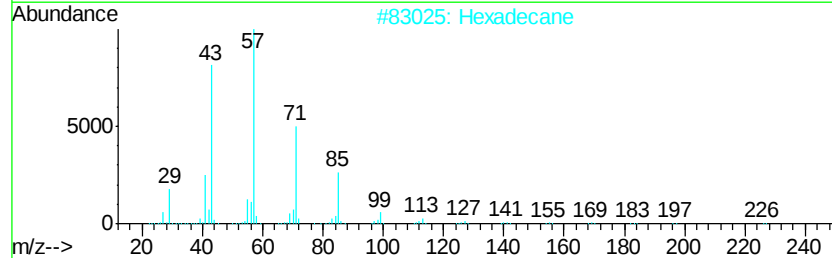
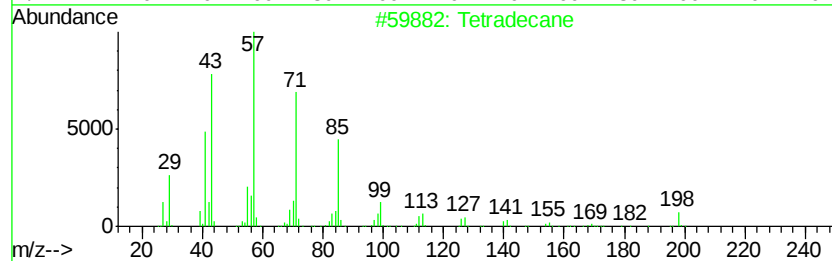
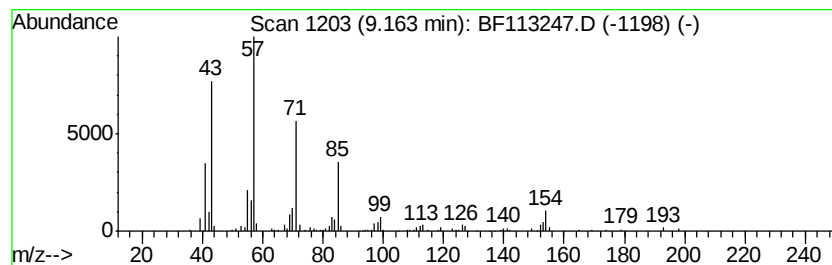
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	4.35 ng	283207	Acenaphthene-d10	9.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	93
2			Hexadecane	226	C16H34	000544-76-3	72
3			9-methylheptadecane	254	C18H38	026741-18-4	72
4			Tridecane	184	C13H28	000629-50-5	64
5			Tridecane, 7-methyl-	198	C14H30	026730-14-3	60



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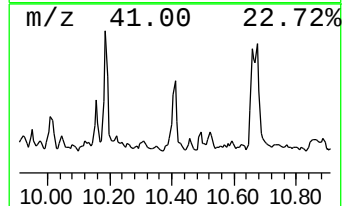
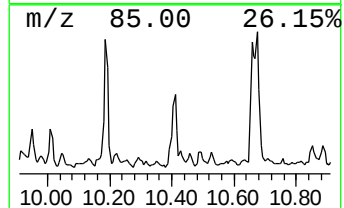
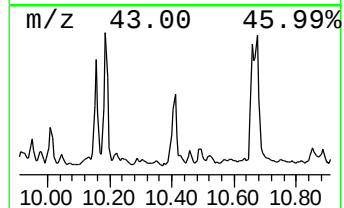
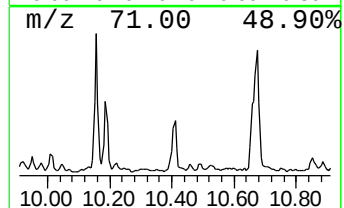
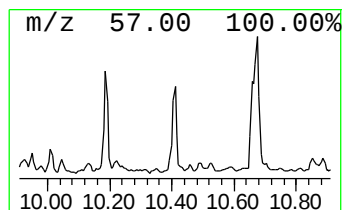
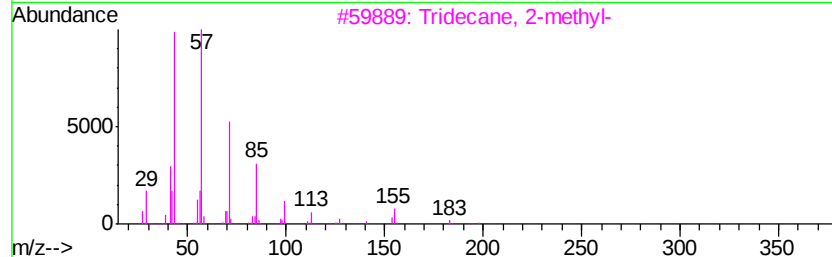
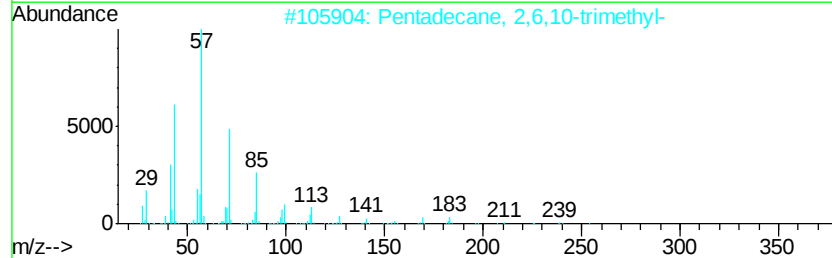
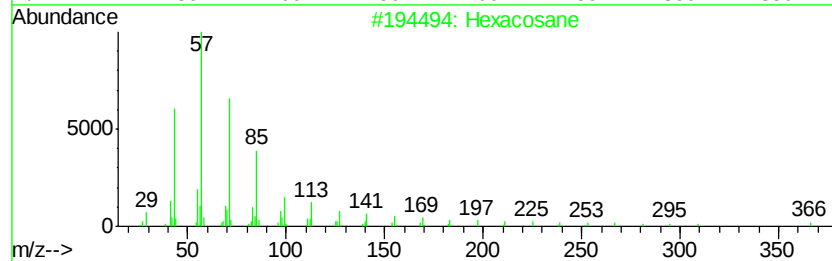
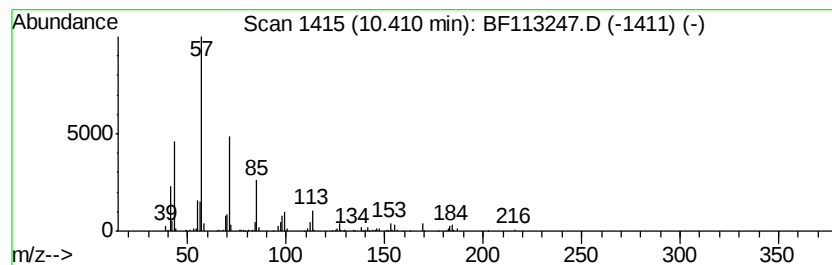
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	3.34 ng	217604	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	80
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
3		Tridecane, 2-methyl-	198	C14H30	001560-96-9	72
4		Eicosane	282	C20H42	000112-95-8	64
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	62



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ClientSampleId :
RCA-08

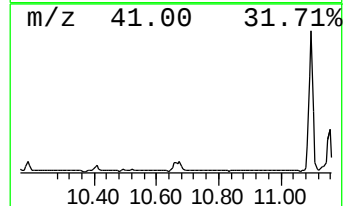
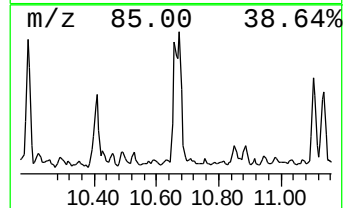
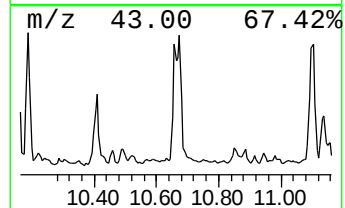
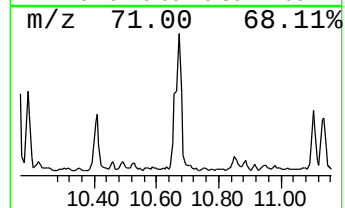
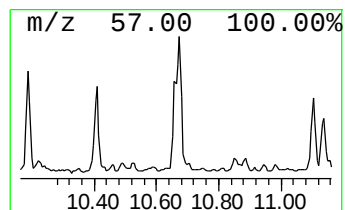
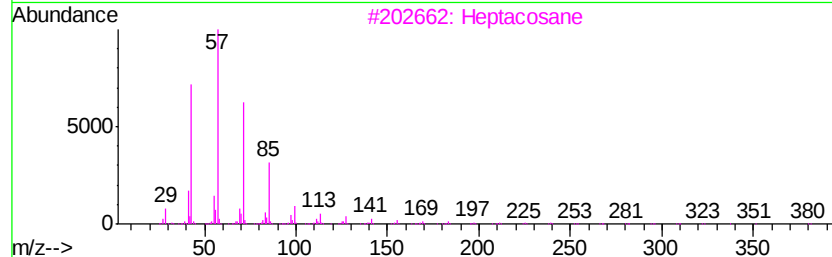
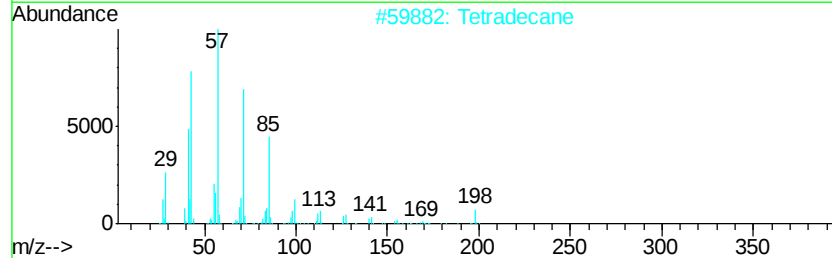
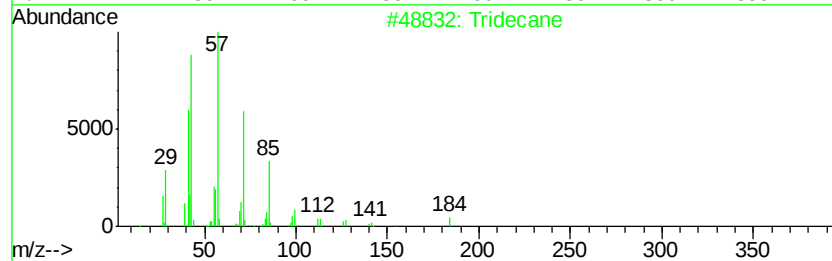
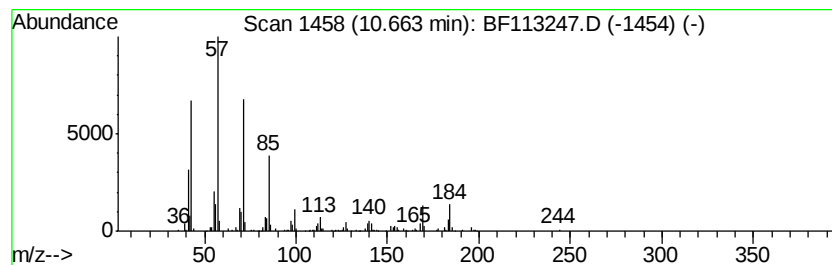
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.37 ng	183616	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	80
2	Tetradecane		198	C14H30	000629-59-4	76
3	Heptacosane		380	C27H56	000593-49-7	72
4	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	72
5	Eicosane		282	C20H42	000112-95-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113247.D
Acq On : 22 Mar 2019 21:10
Operator : JU/SJ
Sample : K2024-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

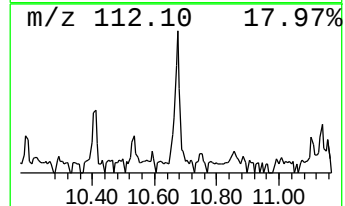
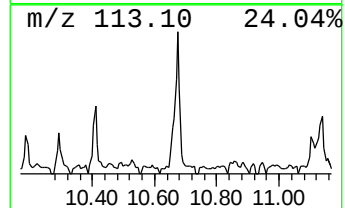
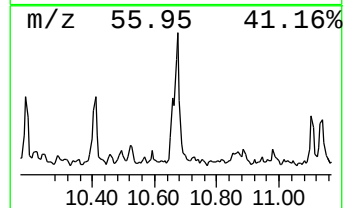
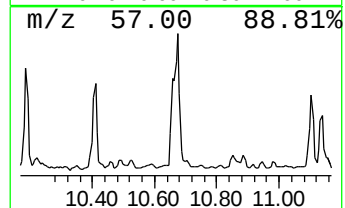
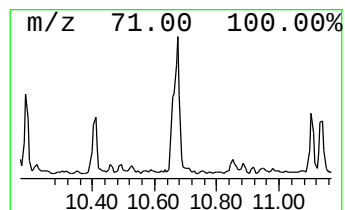
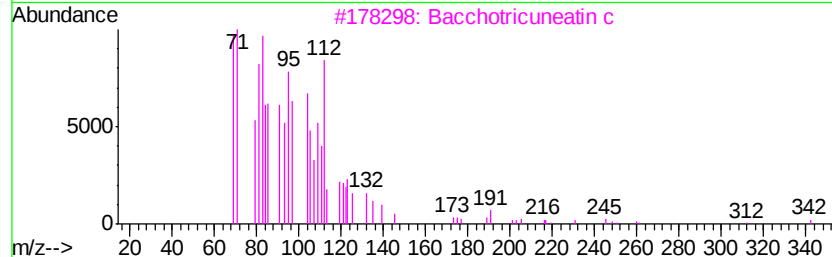
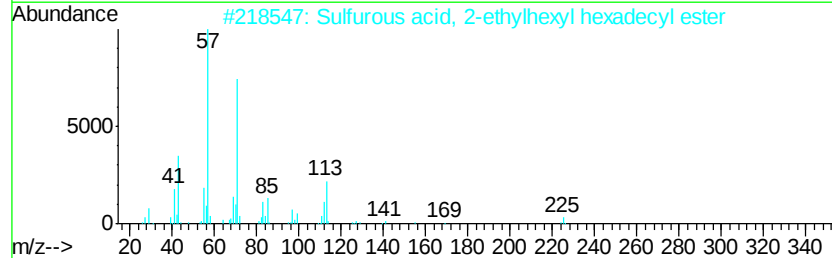
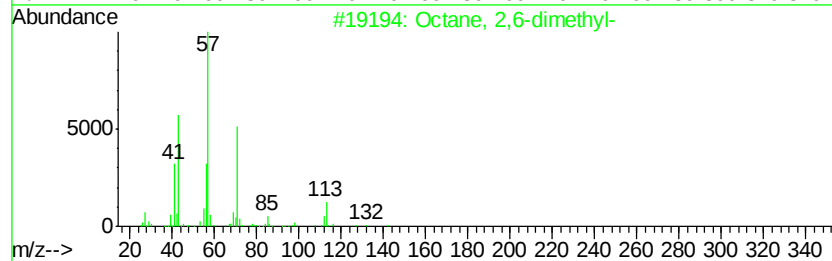
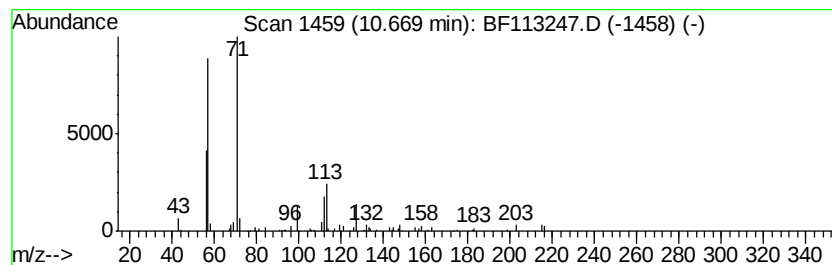
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.67	4.56 ng	248492	Phenanthrene-d10	11.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	52
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5		Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113247.D
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Sample : K2024-01 2X
Misc :
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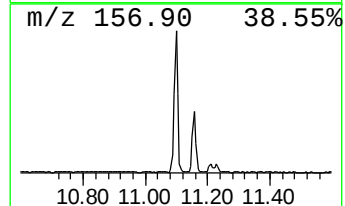
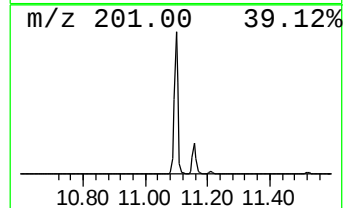
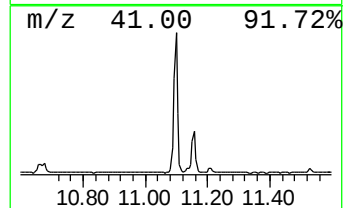
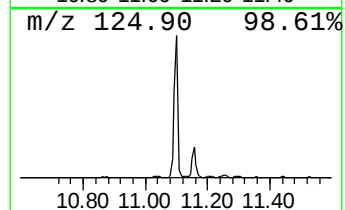
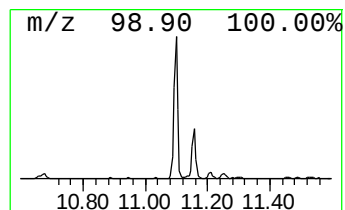
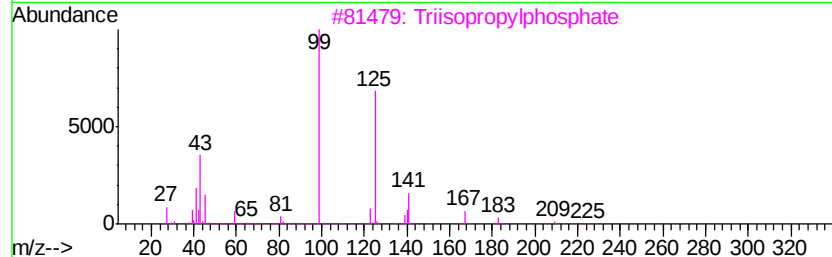
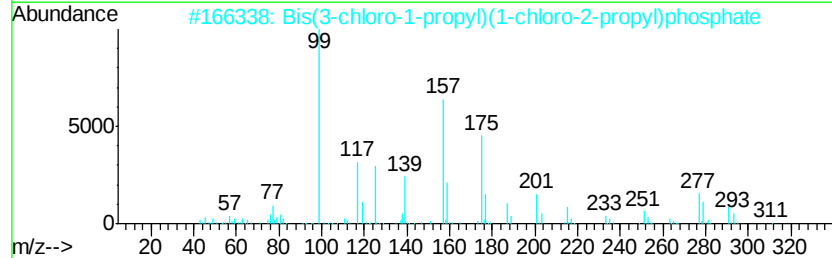
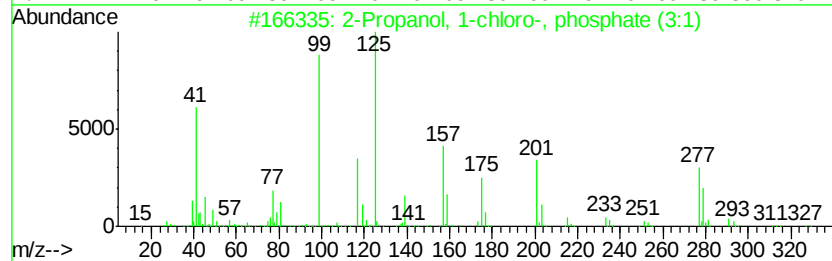
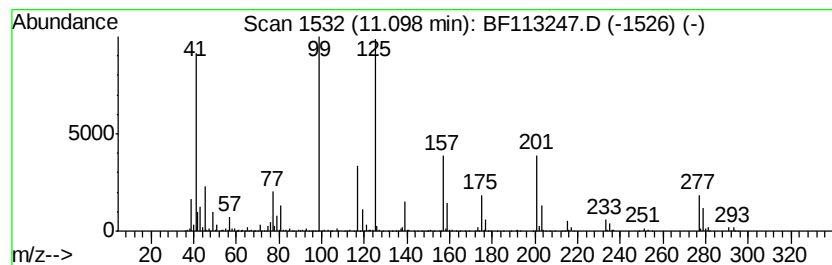
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Propanol, 1-chloro-, phos... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.10	30.52 ng	1663070	Phenanthrene-d10	11.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90	
2	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	38	
3	Triisopropylphosphate	224	C9H21O4P	000513-02-0	23	
4	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	12	
5	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	10	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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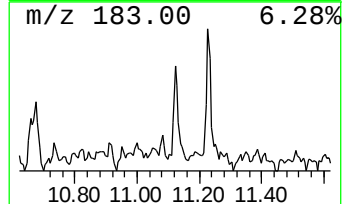
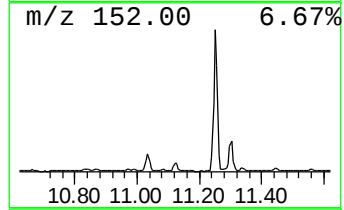
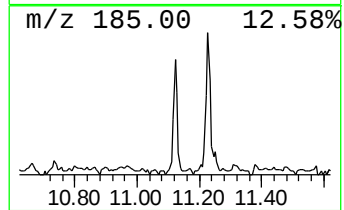
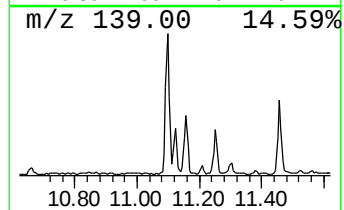
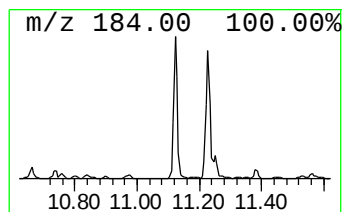
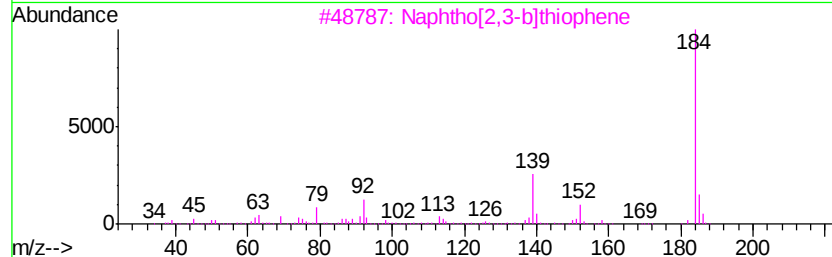
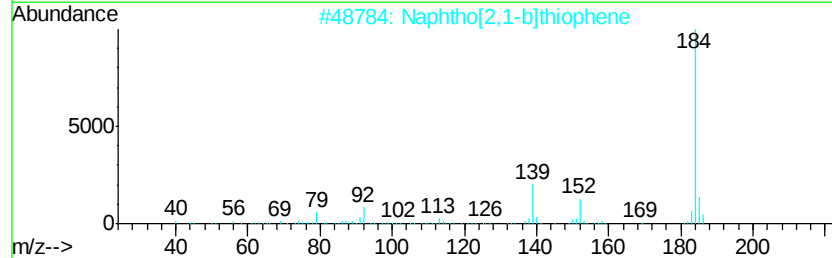
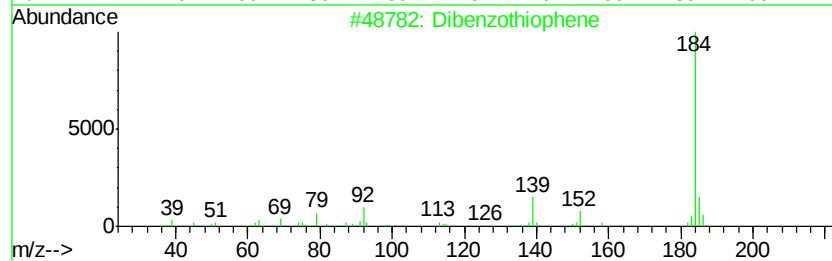
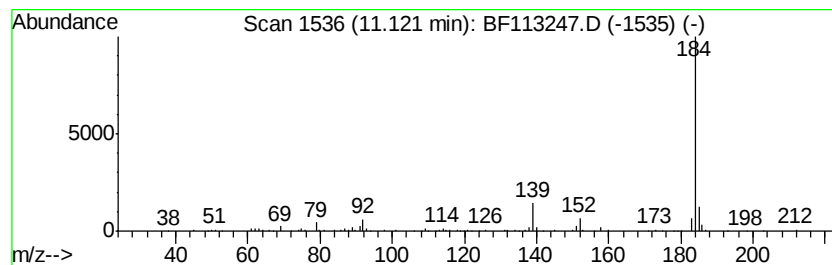
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.65 ng	253386	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	91
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	78
4		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78
5		2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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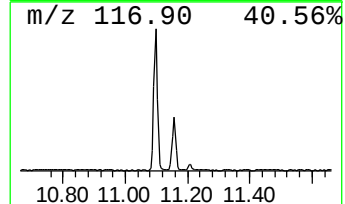
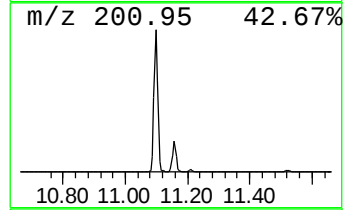
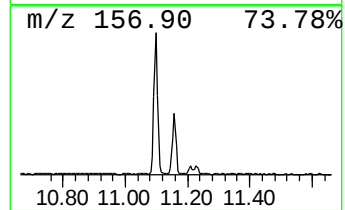
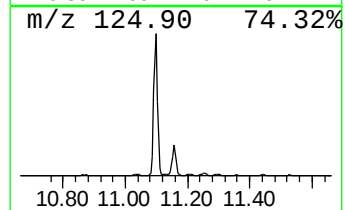
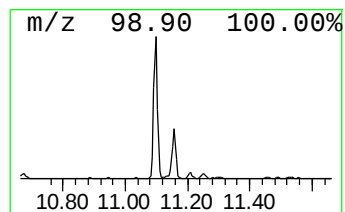
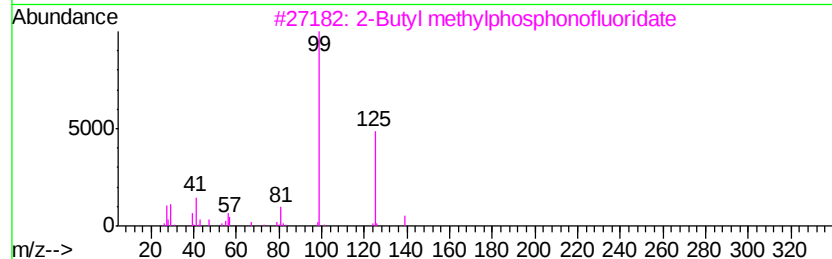
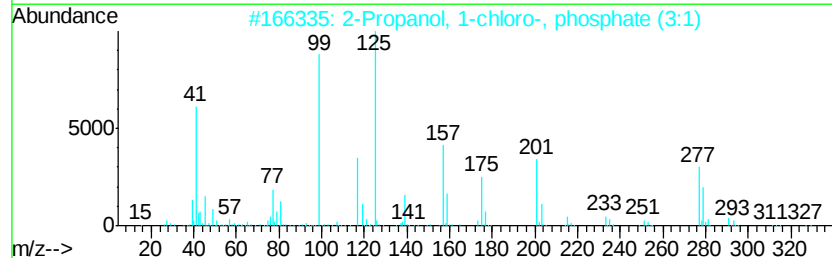
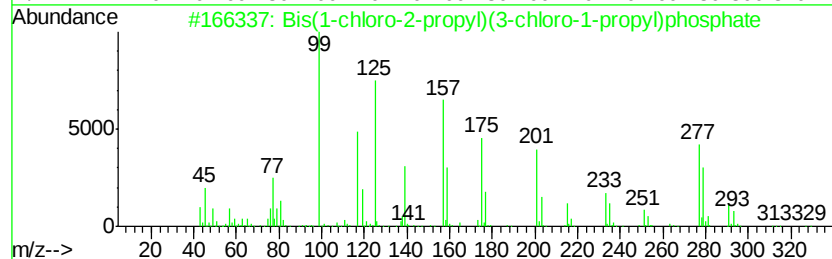
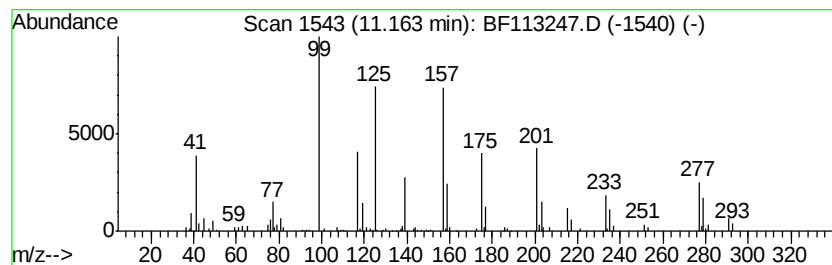
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.16 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	7.57 ng	412552	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	47
2		2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	42
3		2-Butyl methylphosphonofluoridate	154	C5H12F02P	000352-52-3	17
4		Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	13
5		Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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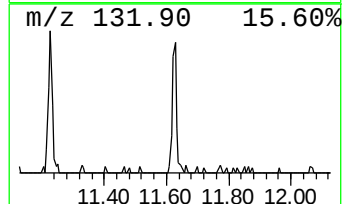
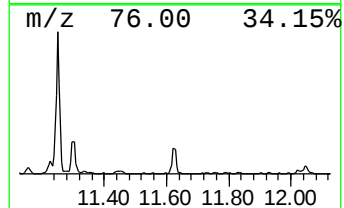
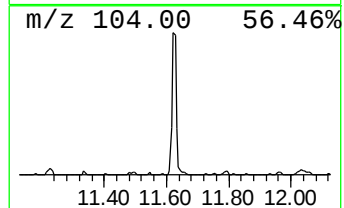
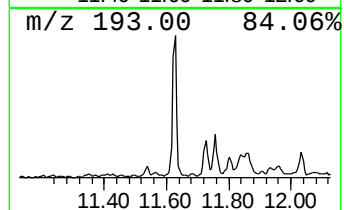
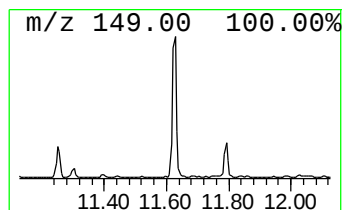
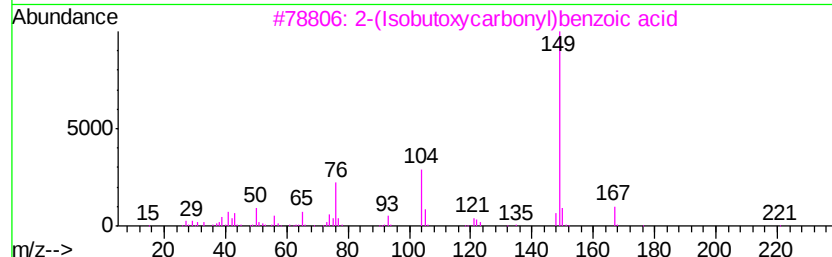
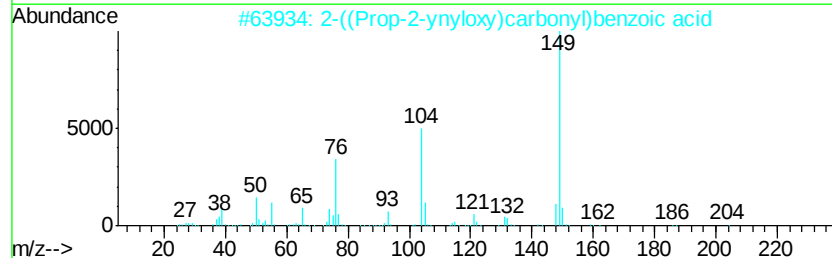
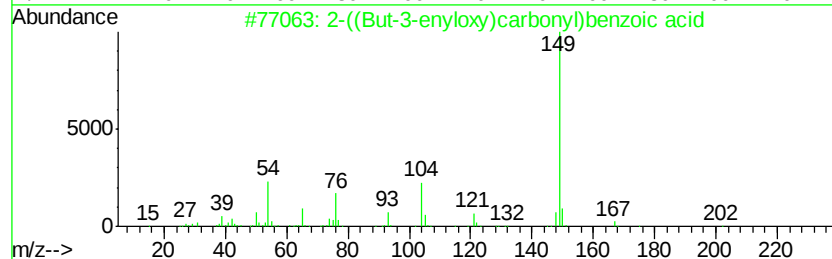
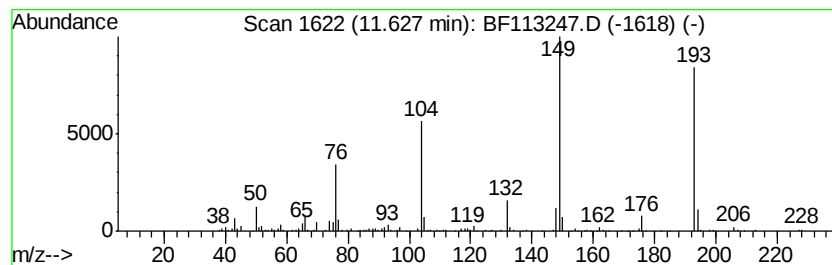
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown11.63 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	4.55 ng	248224	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-((But-3-enyloxy)carbonyl)benzo...	220	C12H12O4	1000373-53-4	43
2			2-((Prop-2-ynyloxy)carbonyl)benz...	204	C11H8O4	1000373-53-6	38
3			2-(Isobutoxycarbonyl)benzoic acid	222	C12H14O4	1000373-52-8	37
4			5H-Pyrrolo(3,2-d)pyrimidine-2,4-...	149	C6H7N5	1000244-21-4	22
5			2-Anthracenamine	193	C14H11N	000613-13-8	22



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Misc :
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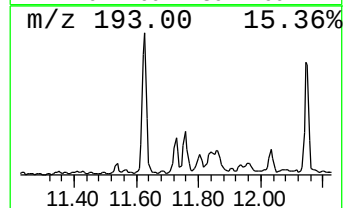
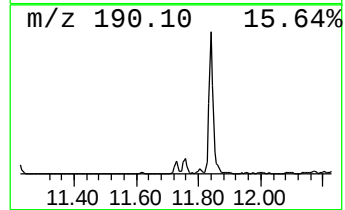
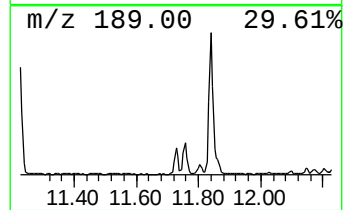
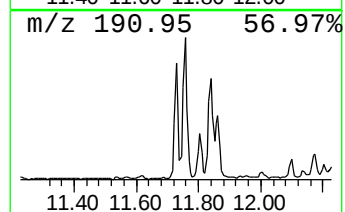
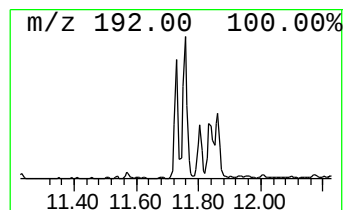
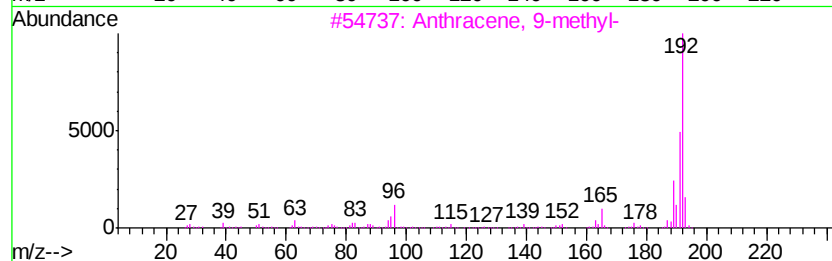
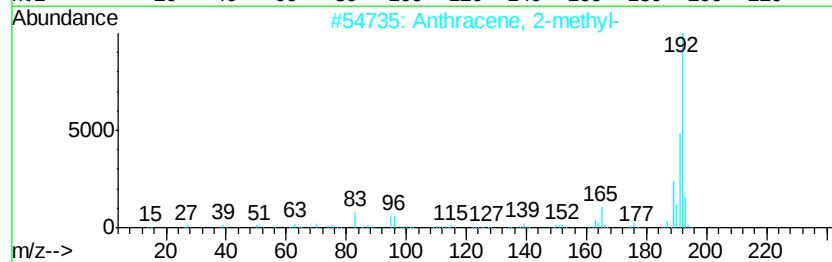
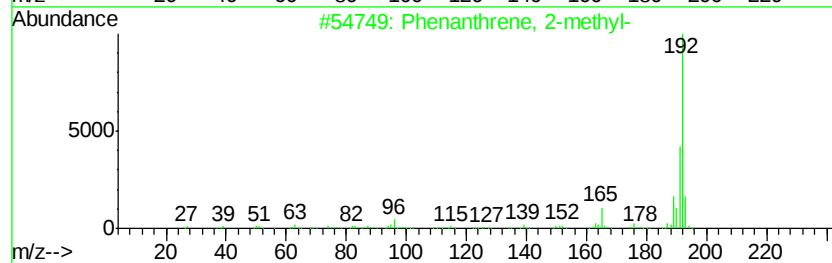
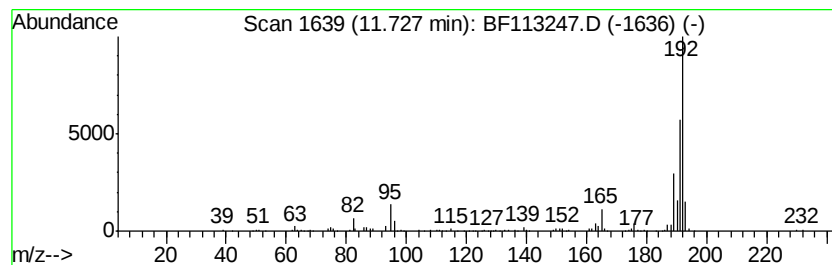
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.76 ng	150188	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113247.D
Acq On : 22 Mar 2019 21:10
Operator : JU/SJ
Sample : K2024-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

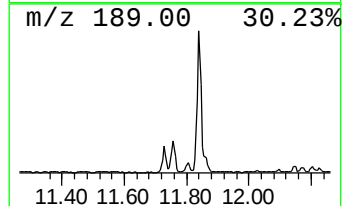
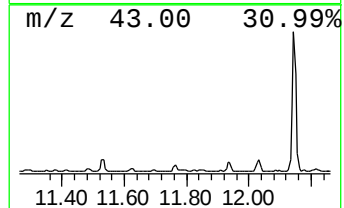
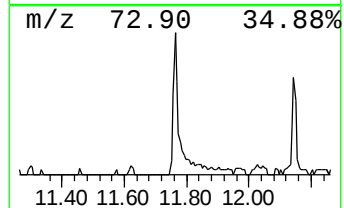
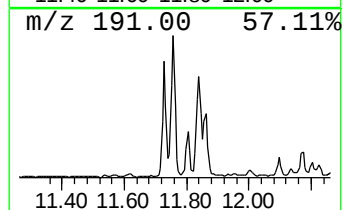
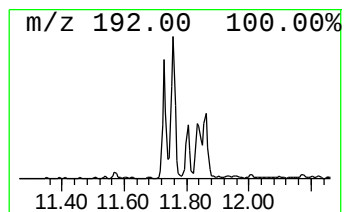
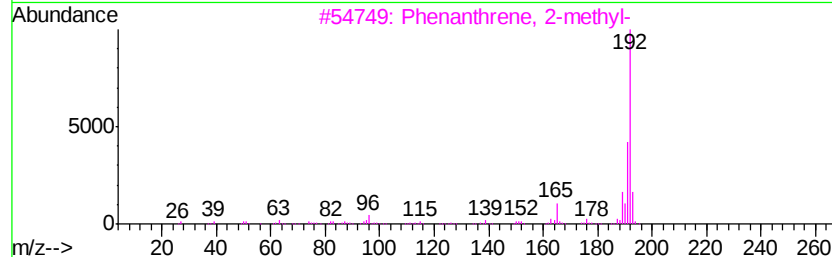
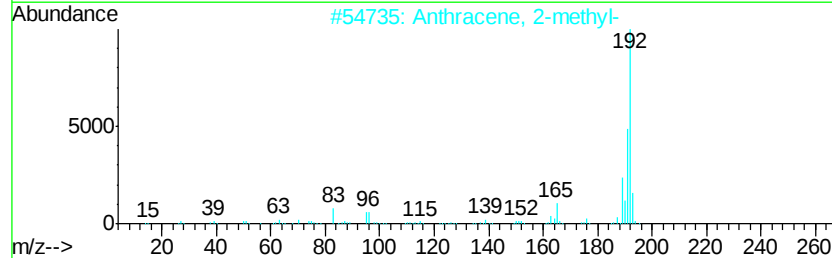
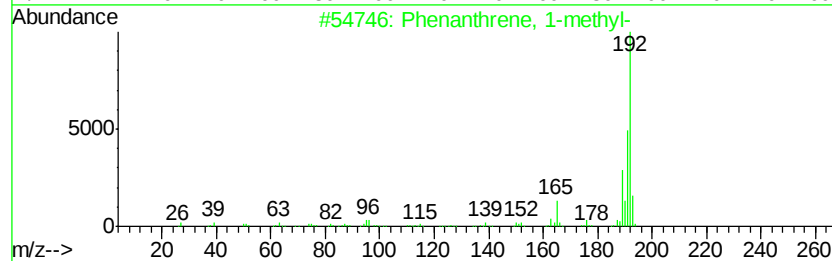
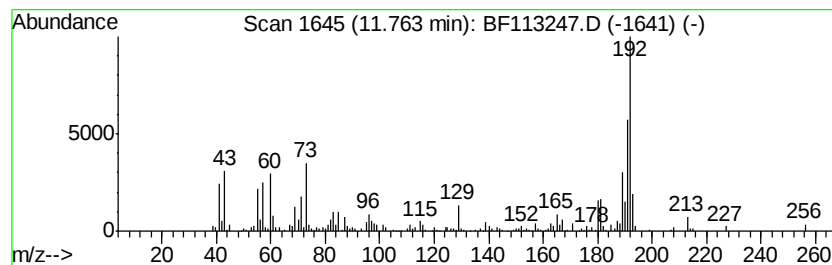
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.76	4.86 ng	264951	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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Sample : K2024-01 2X
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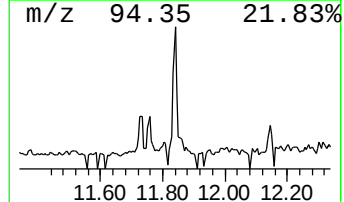
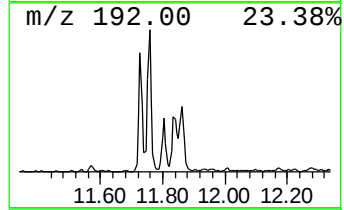
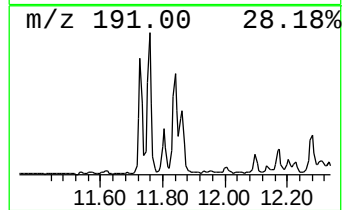
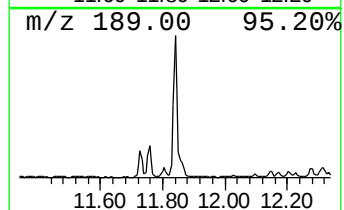
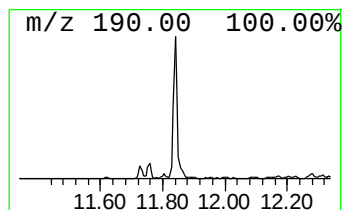
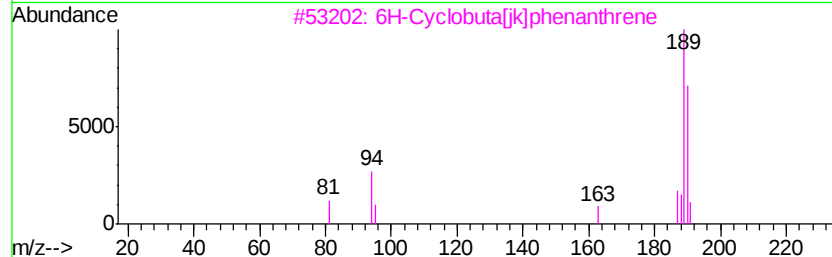
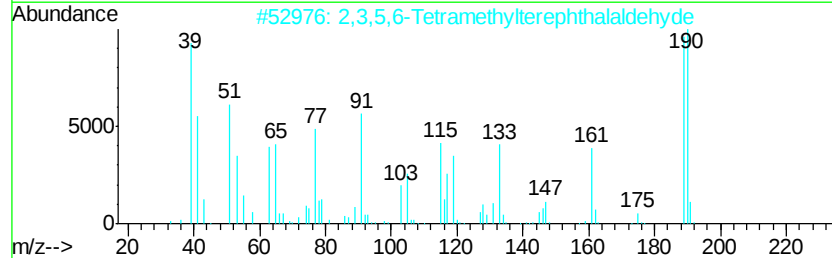
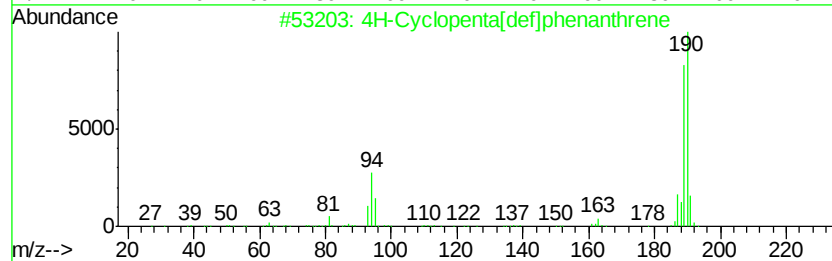
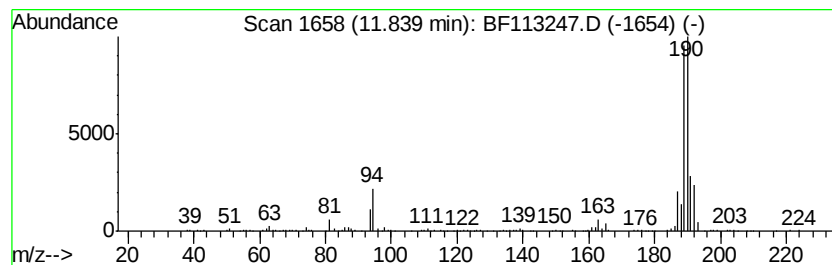
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	6.34 ng	345509	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40



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Data File : BF113247.D
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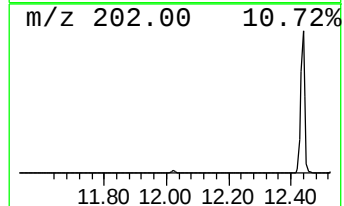
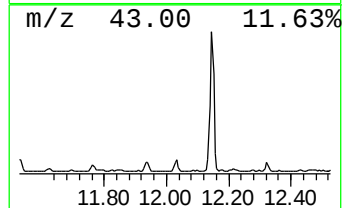
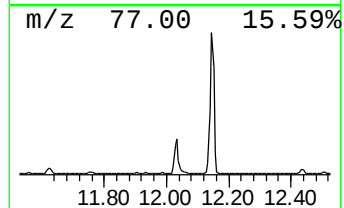
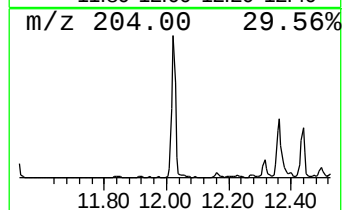
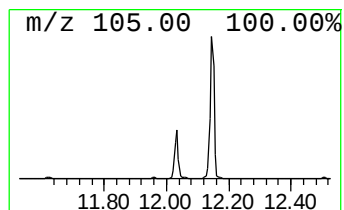
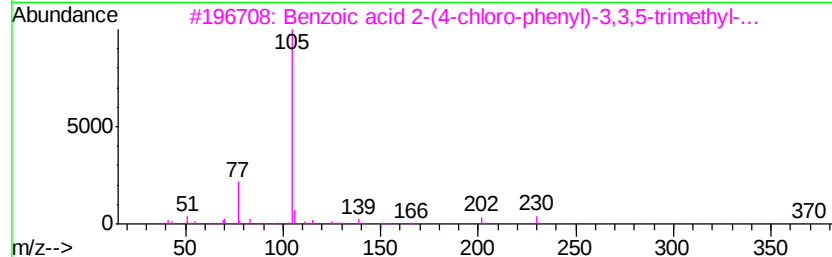
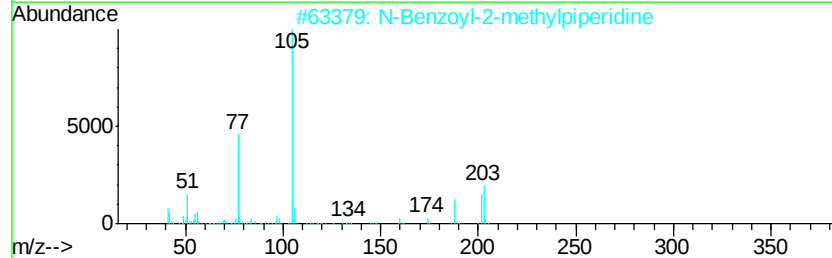
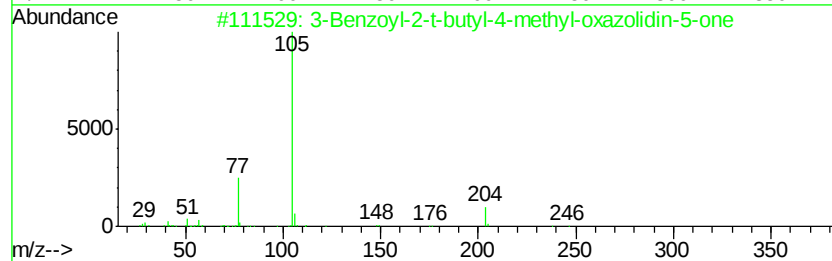
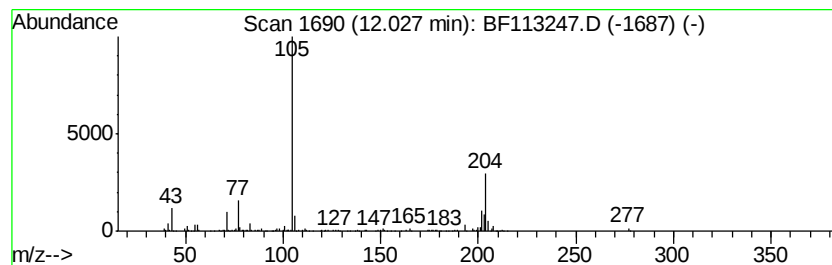
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.15 ng	334978	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Benzoyl-2-t-butyl-4-methyl-oxa...	261	C15H19NO3	1000192-66-9	42
2		N-Benzoyl-2-methylpiperidine	203	C13H17NO	1000213-73-7	38
3		Benzoic acid 2-(4-chloro-phenyl)...	370	C21H19ClO4	1000274-89-7	35
4		Valerophenone, 4-methyl-2-phenyl-	252	C18H20O	020736-42-9	27
5		Benzamide, N-(4-oxo-2-penten-2-y...	203	C12H13NO2	1000164-76-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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Operator : JU/SJ
Sample : K2024-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RCA-08

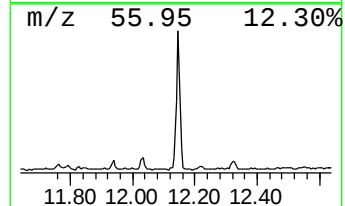
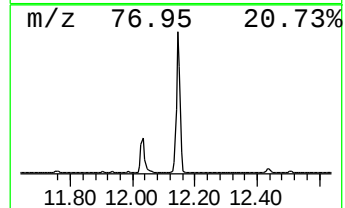
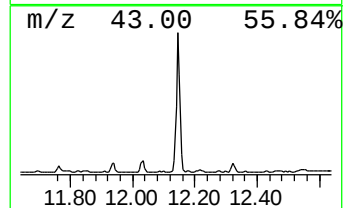
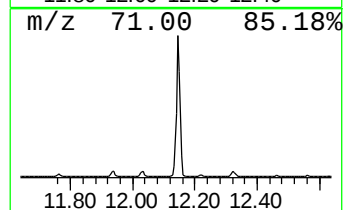
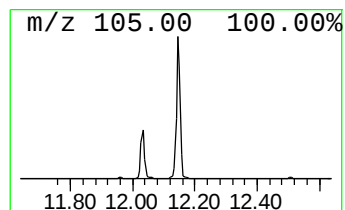
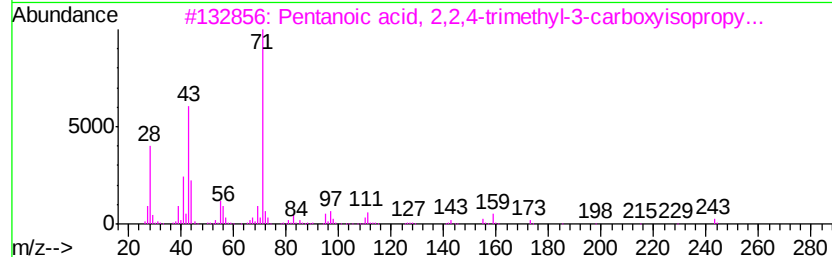
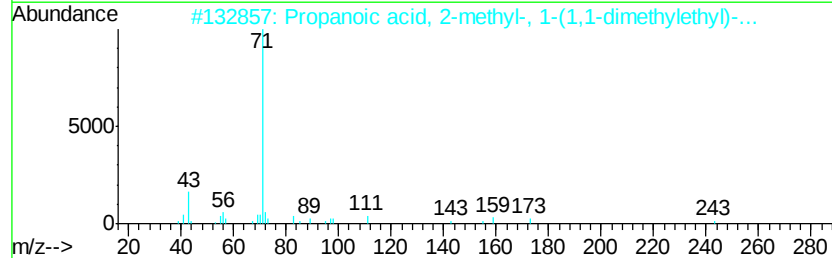
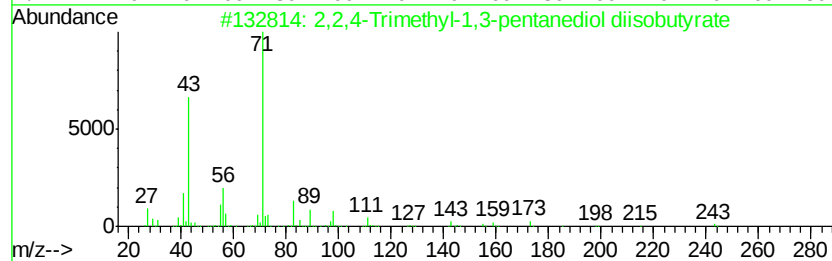
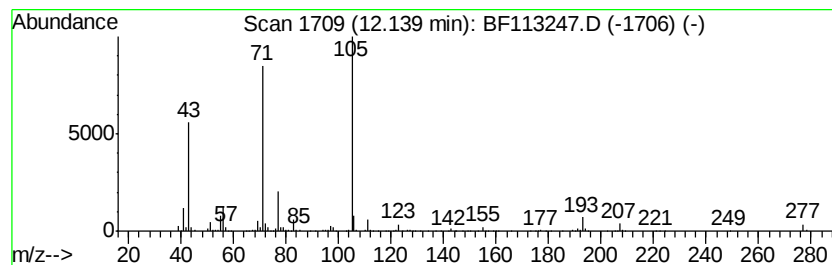
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.14 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	23.20 ng	1264260	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	43		
2	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	37		
3	Pentanoic acid, 2,2,4-trimethyl-...	286	C16H30O4	1000140-77-5	37		
4	2-Methyl-1,5-hexadiene-3-ol	112	C7H12O	017123-60-3	32		
5	Butyric acid, neopentyl ester	158	C9H18O2	002050-00-2	32		



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
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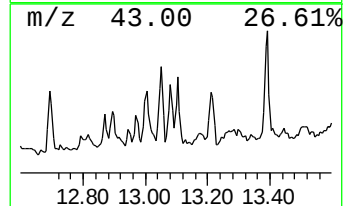
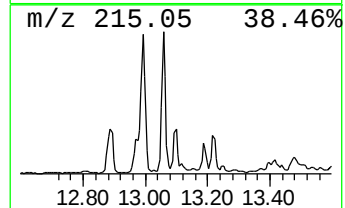
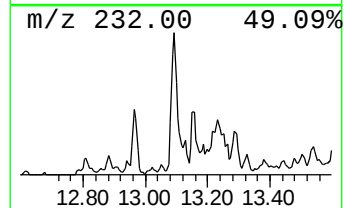
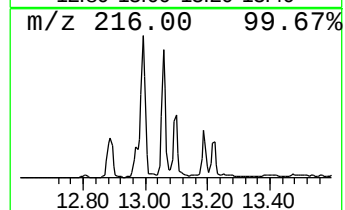
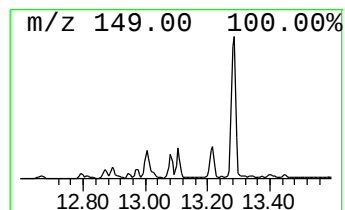
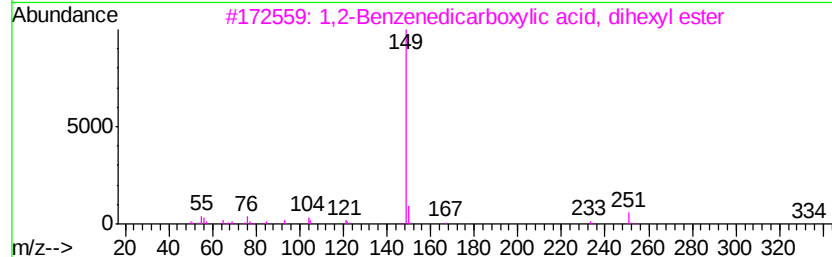
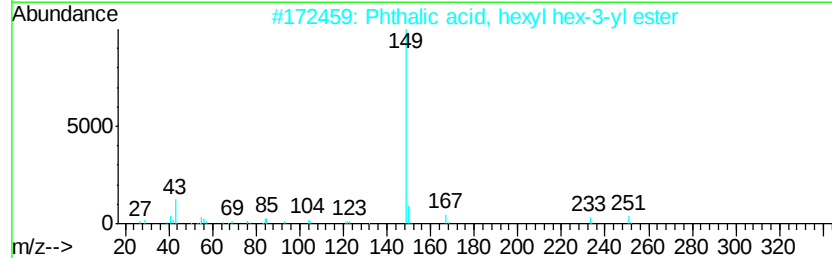
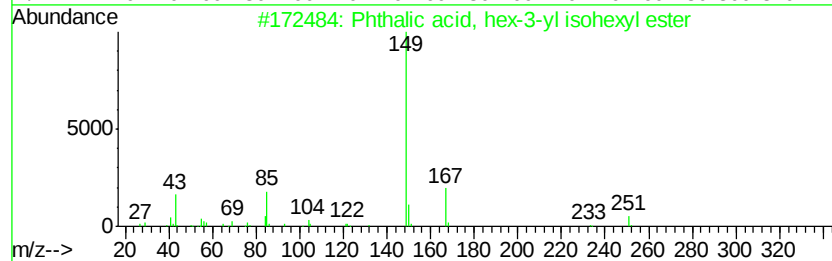
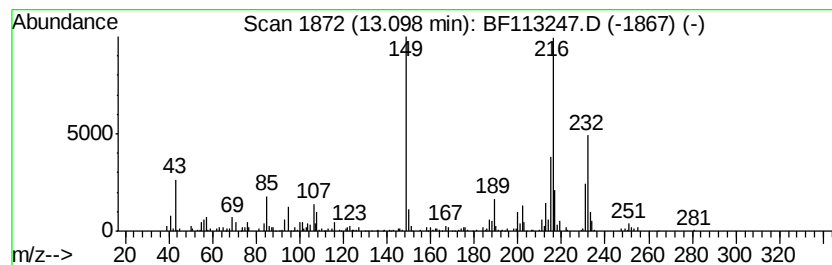
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phthalic acid, hex-3-yl iso... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.26 ng	435675	Chrysene-d12	13.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, hex-3-yl isohexyl...	334	C20H30O4	1000356-95-6	74
2		Phthalic acid, hexyl hex-3-yl ester	334	C20H30O4	1000356-95-7	72
3		1,2-Benzenedicarboxylic acid, di...	334	C20H30O4	000084-75-3	64
4		Phthalic acid, isobutyl 4-methyl...	306	C18H26O4	1000356-87-2	64
5		Phthalic acid, 3,3-dimethylbut-2...	334	C20H30O4	1000357-00-5	59



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Misc :
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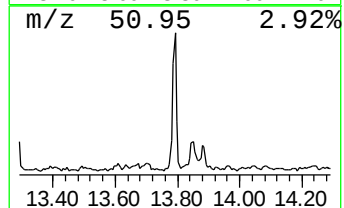
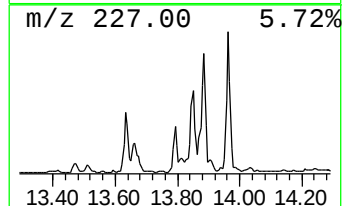
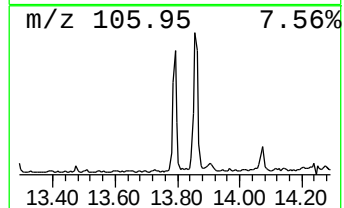
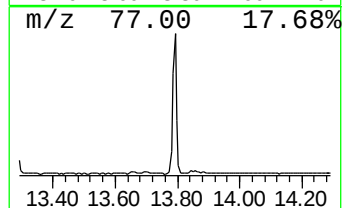
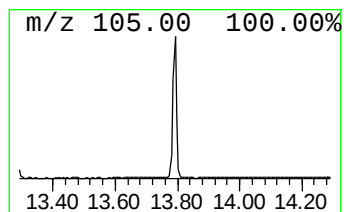
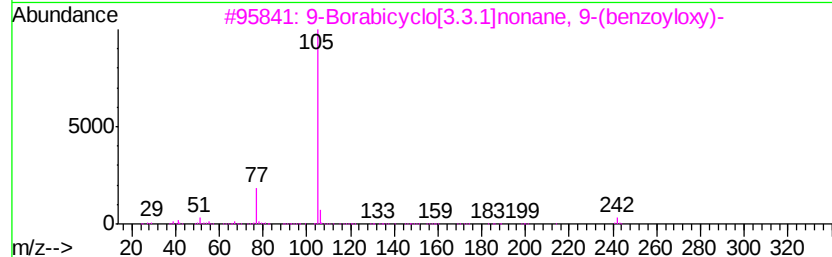
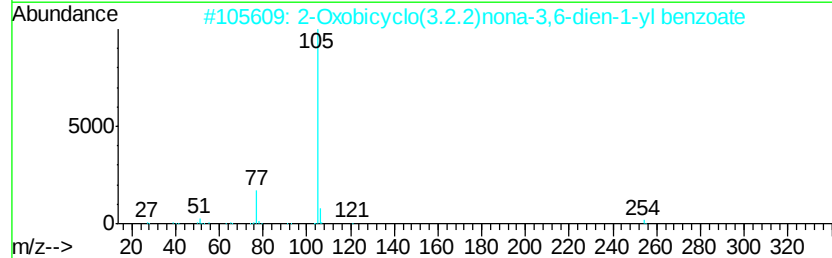
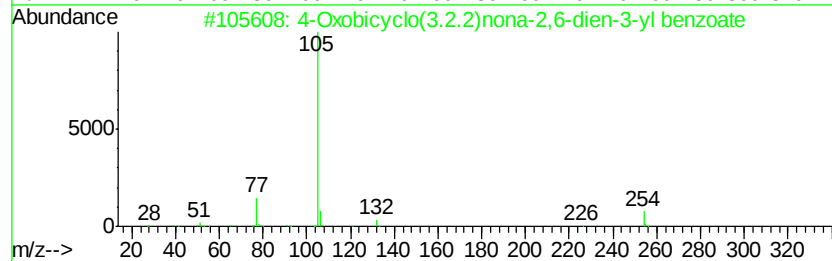
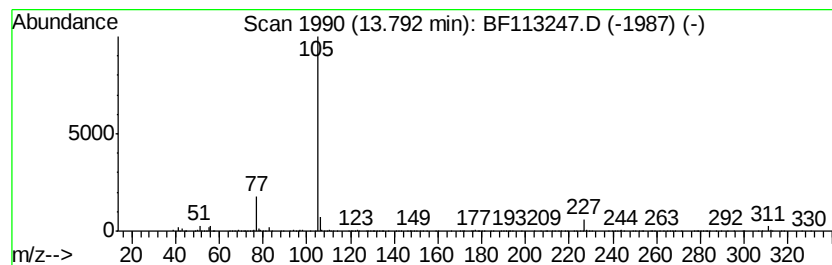
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown13.79 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.49 ng	467199	Chrysene-d12	13.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Oxobicyclo(3.2.2)nona-2,6-dien...	254	C16H14O3	073830-86-1	47
2			2-Oxobicyclo(3.2.2)nona-3,6-dien...	254	C16H14O3	073830-87-2	47
3			9-Borabicyclo[3.3.1]nonane, 9-(b...	242	C15H19B02	065212-33-1	47
4			Benzamide, N-(5,6,7,8-tetrahydro...	311	C18H17N04	1000265-08-9	47
5			N-(5,5-Dimethyl-7-oxo-4,5,6,7-te...	300	C16H16N2O2S	1000317-43-7	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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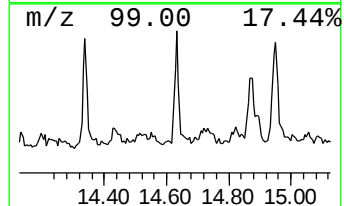
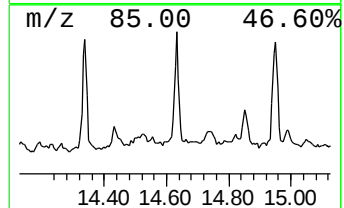
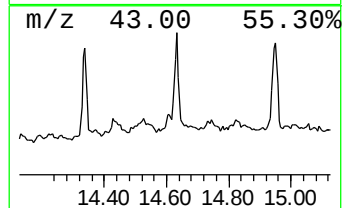
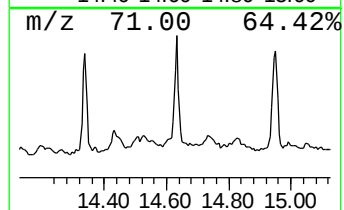
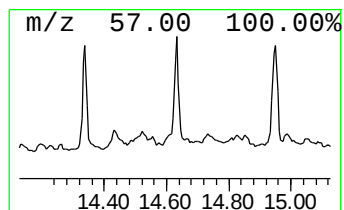
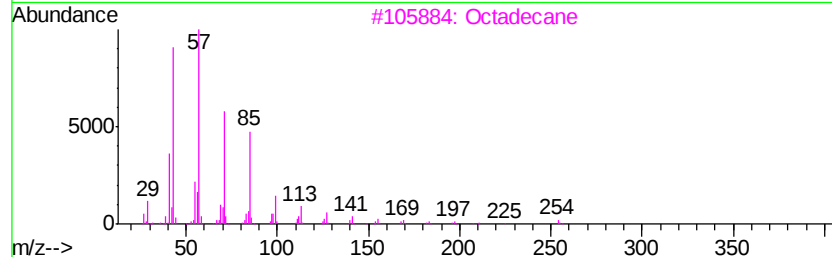
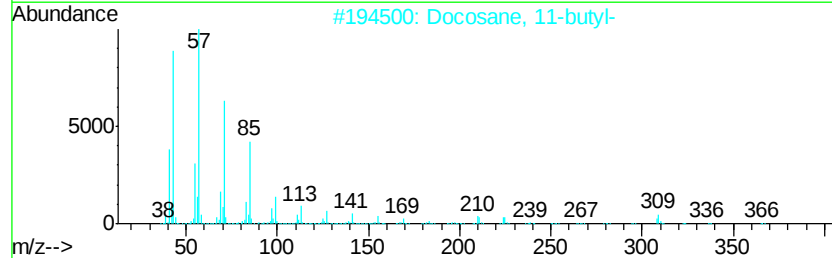
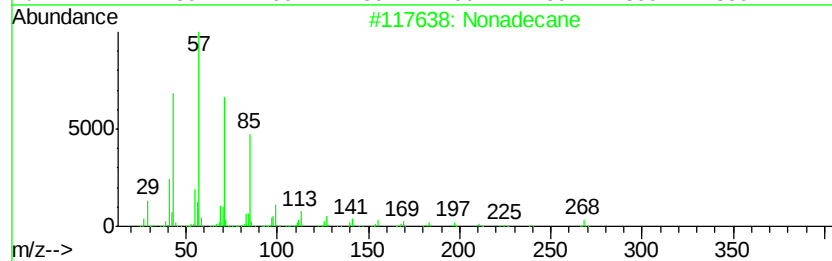
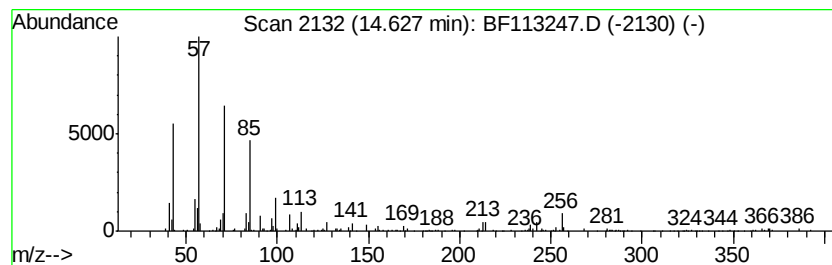
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Nonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	3.85 ng	203140	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	83
2			Docosane, 11-butyl-	366	C26H54	013475-76-8	80
3			Octadecane	254	C18H38	000593-45-3	64
4			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
5			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113247.D
Acq On : 22 Mar 2019 21:10
Operator : JU/SJ
Sample : K2024-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RCA-08

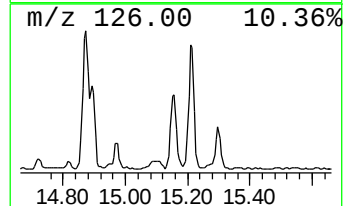
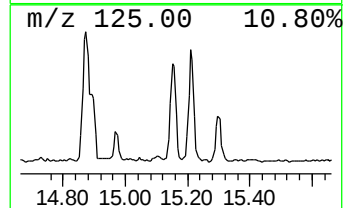
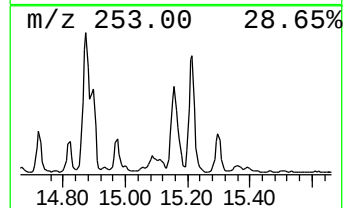
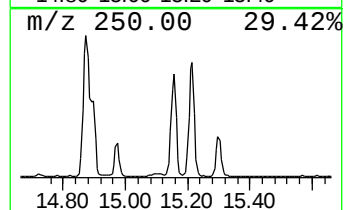
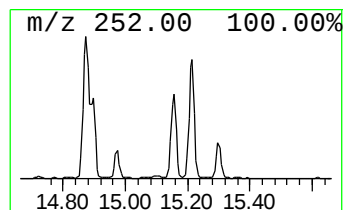
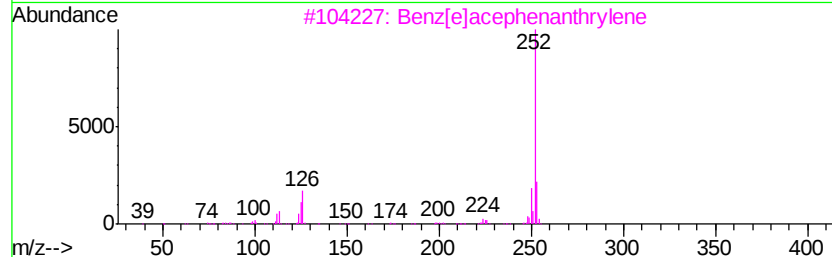
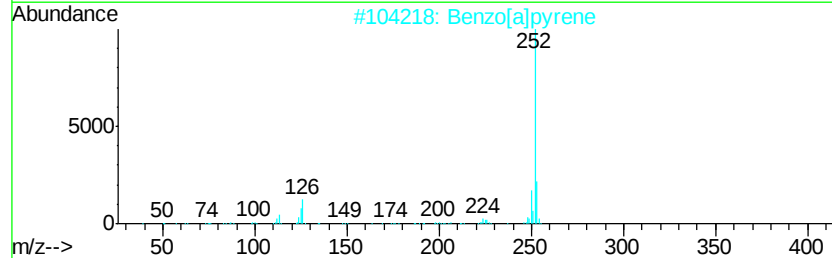
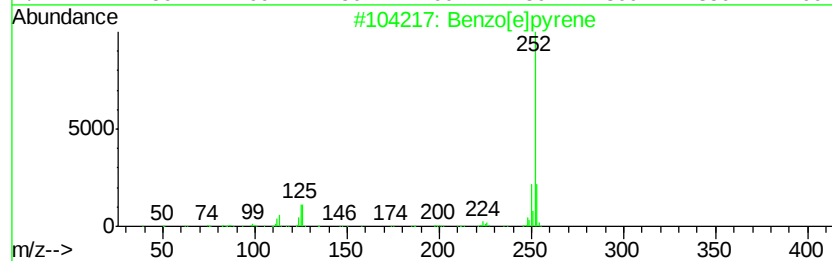
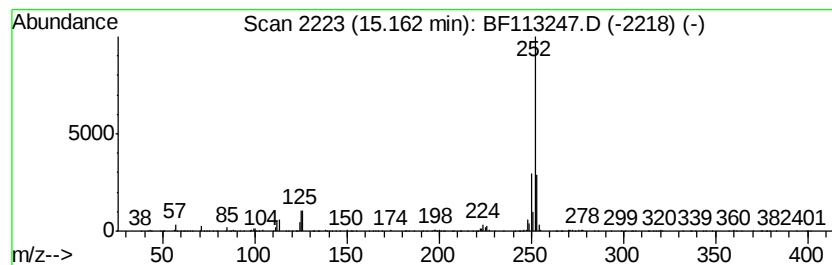
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	14.35 ng	757628	Perylene-d12	15.27

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		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113247.D
Acq On : 22 Mar 2019 21:10
Operator : JU/SJ
Sample : K2024-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RCA-08

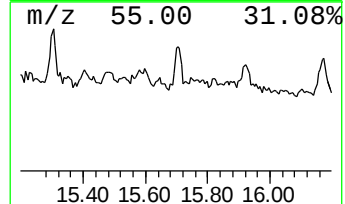
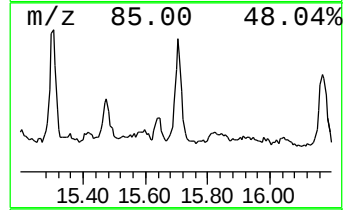
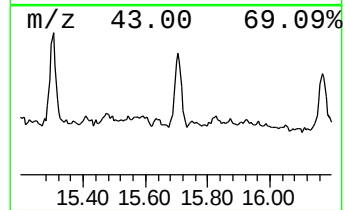
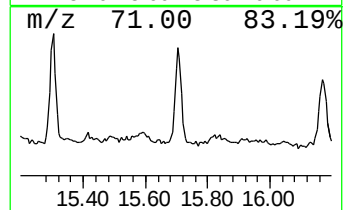
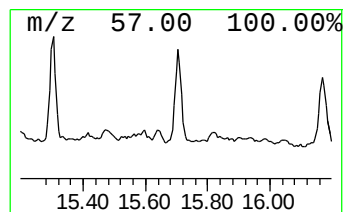
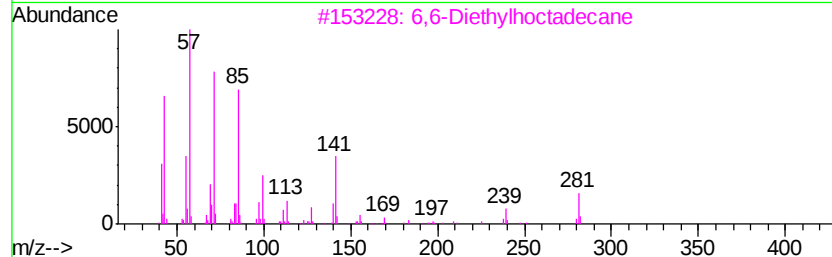
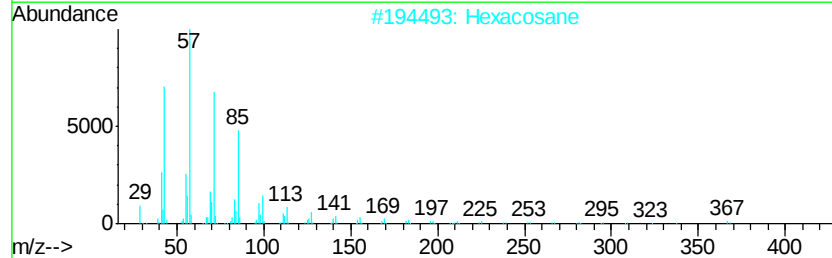
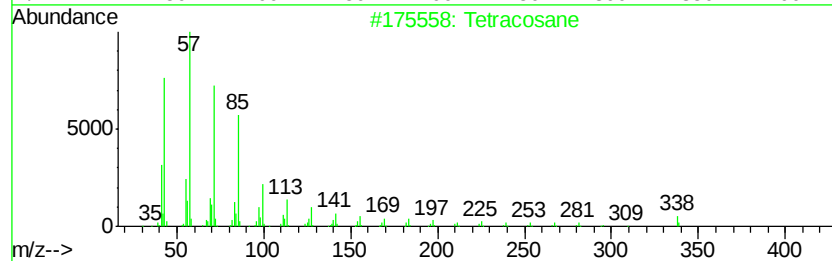
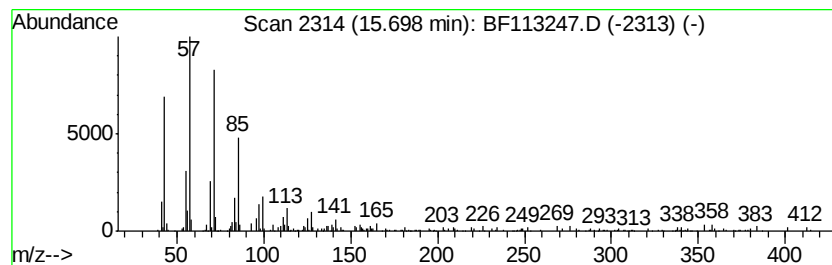
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	3.71 ng	196030	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	93
2			Hexacosane	366	C26H54	000630-01-3	86
3			6,6-Diethyloctadecane	310	C22H46	1000360-41-8	86
4			Hexadecane	226	C16H34	000544-76-3	83
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113247.D
 Acq On : 22 Mar 2019 21:10
 Operator : JU/SJ
 Sample : K2024-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-08

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
unknown6.49	6.49	27.6	ng	1221240	1	6.72	884436	20.0
Tetradecane	9.16	4.3	ng	283207	3	9.75	1303250	20.0
Hexacosane	10.41	3.3	ng	217604	3	9.75	1303250	20.0
Tridecane	10.66	3.4	ng	183616	4	11.23	1089930	20.0
Octane, 2,6-dimet...	10.67	4.6	ng	248492	4	11.23	1089930	20.0
2-Propanol, 1-chl...	11.10	30.5	ng	1663070	4	11.23	1089930	20.0
Dibenzothiophene	11.12	4.7	ng	253386	4	11.23	1089930	20.0
unknown11.16	11.16	7.6	ng	412552	4	11.23	1089930	20.0
unknown11.63	11.63	4.5	ng	248224	4	11.23	1089930	20.0
Phenanthrene, 2-m...	11.73	2.8	ng	150188	4	11.23	1089930	20.0
Phenanthrene, 1-m...	11.76	4.9	ng	264951	4	11.23	1089930	20.0
4H-Cyclopenta[def...	11.84	6.3	ng	345509	4	11.23	1089930	20.0
unknown12.03	12.03	6.2	ng	334978	4	11.23	1089930	20.0
unknown12.14	12.14	23.2	ng	1264260	4	11.23	1089930	20.0
Phthalic acid, he...	13.10	3.3	ng	435675	5	13.86	2673720	20.0
unknown13.79	13.79	3.5	ng	467199	5	13.86	2673720	20.0
Nonadecane	14.63	3.9	ng	203140	6	15.27	1056040	20.0
Benzo[e]pyrene	15.16	14.4	ng	757628	6	15.27	1056040	20.0
Tetracosane	15.70	3.7	ng	196030	6	15.27	1056040	20.0