

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102419\
 Data File : BF117517.D
 Acq On : 24 Oct 2019 18:26
 Operator : JU
 Sample : K5499-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 705-81-(0-1)

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-BF101819.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.357	552	556	577	rBV	678511	807406	10.74%	1.122%
2	6.381	727	730	748	rBV	782548	906242	12.06%	1.260%
3	6.510	748	752	758	rBV	974681	921715	12.27%	1.281%
4	6.734	786	790	801	rVB	291957	266310	3.54%	0.370%
5	6.887	813	816	826	rBV	710814	602352	8.02%	0.837%
6	7.298	882	886	902	rBV	575729	555883	7.40%	0.773%
7	8.016	1004	1008	1010	rBV	378132	349966	4.66%	0.486%
8	8.822	1142	1145	1151	rBV	125094	113364	1.51%	0.158%
9	9.086	1186	1190	1193	rBV	1016516	793918	10.57%	1.104%
10	9.169	1200	1204	1206	rBV	242329	198919	2.65%	0.277%
11	9.357	1231	1236	1239	rBV	113414	142629	1.90%	0.198%
12	9.428	1244	1248	1250	rVV	225891	232704	3.10%	0.323%
13	9.451	1250	1252	1254	rVV2	151893	123814	1.65%	0.172%
14	9.486	1254	1258	1261	rVV2	215974	267054	3.55%	0.371%
15	9.545	1265	1268	1272	rVB2	125123	142914	1.90%	0.199%
16	9.628	1279	1282	1286	rBV	299348	256791	3.42%	0.357%
17	9.698	1291	1294	1297	rVV	396332	290902	3.87%	0.404%
18	9.763	1303	1305	1308	rVV	482052	429034	5.71%	0.596%
19	9.798	1308	1311	1315	rVB	802257	640299	8.52%	0.890%
20	9.922	1327	1332	1336	rBV4	98115	138208	1.84%	0.192%
21	9.969	1336	1340	1345	rVV	607241	588751	7.83%	0.818%
22	10.010	1345	1347	1352	rVB4	117938	139818	1.86%	0.194%
23	10.116	1362	1365	1371	rVB2	98772	130391	1.74%	0.181%
24	10.198	1376	1379	1381	rVB2	257606	210946	2.81%	0.293%
25	10.316	1395	1399	1404	rBV	1106428	989335	13.17%	1.375%
26	10.380	1404	1410	1411	rBV	95084	127308	1.69%	0.177%
27	10.469	1423	1425	1429	rVB	292516	248409	3.31%	0.345%
28	10.557	1434	1440	1445	rBV2	802238	923230	12.29%	1.283%
29	10.669	1455	1459	1460	rBV3	114006	108039	1.44%	0.150%
30	10.863	1485	1492	1495	rBV3	242709	312477	4.16%	0.434%
31	10.945	1499	1506	1508	rVV5	81395	124000	1.65%	0.172%
32	10.992	1508	1514	1516	rVV2	139494	188507	2.51%	0.262%
33	11.010	1516	1517	1519	rVV2	139286	116521	1.55%	0.162%
34	11.069	1523	1527	1530	rVV	314326	313292	4.17%	0.435%

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35	11.104	1530	1533	1538	rVV3	172984	259116	3.45%	0.360%
36	11.151	1538	1541	1547	rVB	522115	500359	6.66%	0.696%
37	11.304	1555	1567	1569	rBV	5052279	7514589	100.00%	10.446%
38	11.345	1569	1574	1576	rVV	1892183	1850968	24.63%	2.573%
39	11.369	1576	1578	1583	rVB	138274	162562	2.16%	0.226%
40	11.492	1594	1599	1605	rBV2	431640	619052	8.24%	0.861%
41	11.545	1605	1608	1610	rVV	187032	159453	2.12%	0.222%
42	11.598	1613	1617	1620	rVB2	97462	147838	1.97%	0.205%
43	11.757	1640	1644	1646	rBV	711669	639484	8.51%	0.889%
44	11.792	1646	1650	1654	rVB2	1122648	1158645	15.42%	1.611%
45	11.833	1654	1657	1660	rBV	348600	345106	4.59%	0.480%
46	11.874	1660	1664	1666	rBV	1199369	1263033	16.81%	1.756%
47	12.051	1688	1694	1697	rVB	501040	584200	7.77%	0.812%
48	12.092	1698	1701	1705	rBV	300777	313148	4.17%	0.435%
49	12.198	1715	1719	1722	rBV2	162450	162331	2.16%	0.226%
50	12.233	1722	1725	1727	rBV	157441	127287	1.69%	0.177%
51	12.257	1727	1729	1734	rVB	112307	106682	1.42%	0.148%
52	12.310	1734	1738	1740	rBV	311591	364893	4.86%	0.507%
53	12.345	1740	1744	1746	rBV2	165079	155470	2.07%	0.216%
54	12.416	1751	1756	1761	rVB3	220923	347728	4.63%	0.483%
55	12.498	1761	1770	1773	rBV	4425304	7290561	97.02%	10.134%
56	12.545	1775	1778	1780	rVV2	106843	112196	1.49%	0.156%
57	12.574	1780	1783	1788	rVB2	358306	349173	4.65%	0.485%
58	12.627	1788	1792	1796	rBV	326480	350920	4.67%	0.488%
59	12.727	1801	1809	1811	rBV2	3818975	6384369	84.96%	8.874%
60	12.751	1811	1813	1816	rVV2	230389	242313	3.22%	0.337%
61	12.780	1816	1818	1821	rVB	297099	237158	3.16%	0.330%
62	12.839	1822	1828	1830	rBV2	603042	851024	11.32%	1.183%
63	12.869	1830	1833	1837	rVB	268326	285441	3.80%	0.397%
64	12.921	1837	1842	1846	rBV3	341346	606659	8.07%	0.843%
65	13.010	1853	1857	1858	rBV2	247978	314446	4.18%	0.437%
66	13.033	1858	1861	1864	rVB	765792	747133	9.94%	1.039%
67	13.098	1869	1872	1875	rBV	580582	496648	6.61%	0.690%
68	13.139	1875	1879	1885	rVB2	464088	619413	8.24%	0.861%
69	13.227	1891	1894	1897	rBV	262693	248945	3.31%	0.346%
70	13.257	1897	1899	1902	rBV2	241634	231447	3.08%	0.322%
71	13.451	1930	1932	1939	rVB3	128823	190884	2.54%	0.265%

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72	13.551	1945	1949	1951	rVB	312942	303227	4.04%	0.421%
73	13.651	1963	1966	1968	rBV2	458543	485459	6.46%	0.675%
74	13.674	1968	1970	1973	rVV	446475	381342	5.07%	0.530%
75	13.704	1973	1975	1980	rVV2	380034	572145	7.61%	0.795%
76	13.763	1982	1985	1990	rVB	378474	448163	5.96%	0.623%
77	13.821	1992	1995	2000	rVB	133103	169108	2.25%	0.235%
78	13.910	2001	2010	2013	rBV3	2230535	4042663	53.80%	5.619%
79	13.945	2013	2016	2019	rVB	2025085	2189468	29.14%	3.043%
80	14.016	2025	2028	2031	rVB	442691	340259	4.53%	0.473%
81	14.104	2040	2043	2044	rVB	145746	110956	1.48%	0.154%
82	14.133	2044	2048	2051	rVB2	217438	276319	3.68%	0.384%
83	14.257	2066	2069	2071	rBV2	146650	185614	2.47%	0.258%
84	14.292	2072	2075	2078	rVV	478131	498281	6.63%	0.693%
85	14.327	2078	2081	2083	rVB2	196432	179732	2.39%	0.250%
86	14.421	2094	2097	2098	rBV	204834	170552	2.27%	0.237%
87	14.615	2127	2130	2135	rBV6	163885	251324	3.34%	0.349%
88	14.786	2155	2159	2163	rBV	223847	292965	3.90%	0.407%
89	14.957	2180	2188	2194	rBV	1637872	4153053	55.27%	5.773%
90	15.045	2199	2203	2206	rVB	439479	447016	5.95%	0.621%
91	15.127	2213	2217	2218	rBV2	109374	155749	2.07%	0.216%
92	15.239	2230	2236	2240	rBV	972933	1361139	18.11%	1.892%
93	15.310	2241	2248	2252	rVV	1498266	2207830	29.38%	3.069%
94	15.351	2252	2255	2257	rVV	186347	198528	2.64%	0.276%
95	15.386	2257	2261	2267	rVB2	553275	728027	9.69%	1.012%
96	16.780	2489	2498	2503	rBV2	529541	1162912	15.48%	1.616%
97	16.921	2516	2522	2527	rBV	153710	300936	4.00%	0.418%
98	16.974	2528	2531	2541	rVB2	98534	200844	2.67%	0.279%
99	17.204	2562	2570	2580	rVB	376827	838398	11.16%	1.165%
100	17.427	2604	2608	2617	rVB	113894	246532	3.28%	0.343%

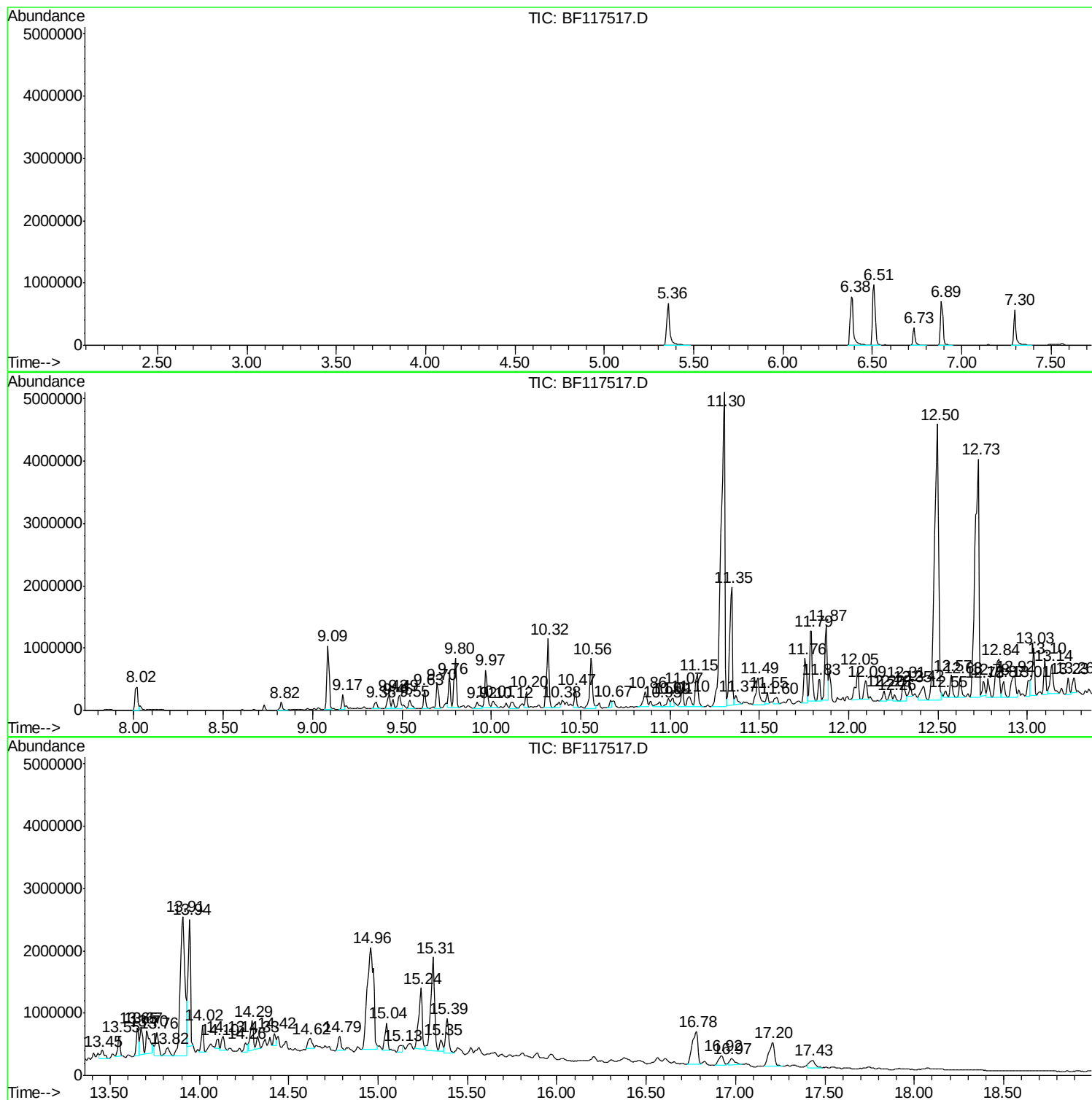
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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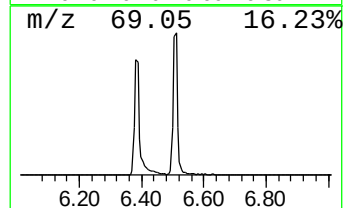
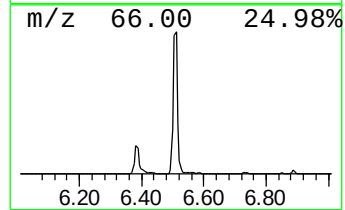
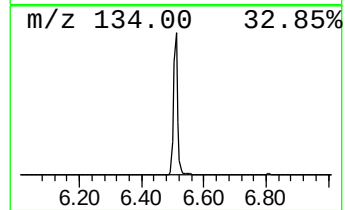
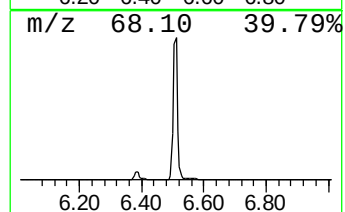
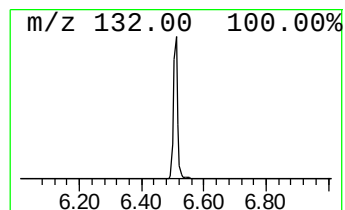
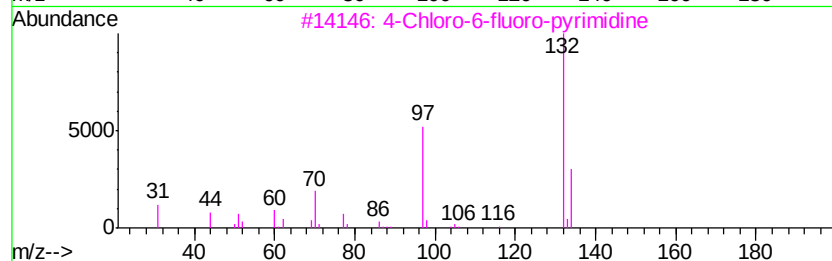
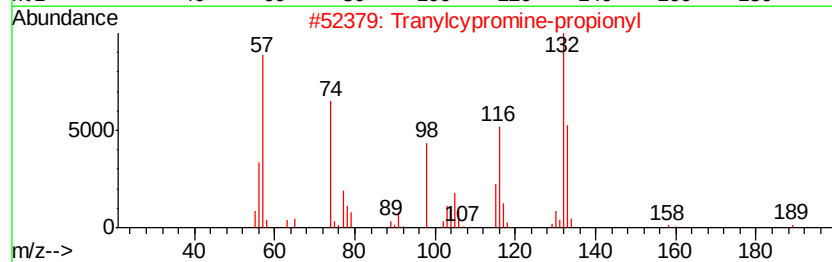
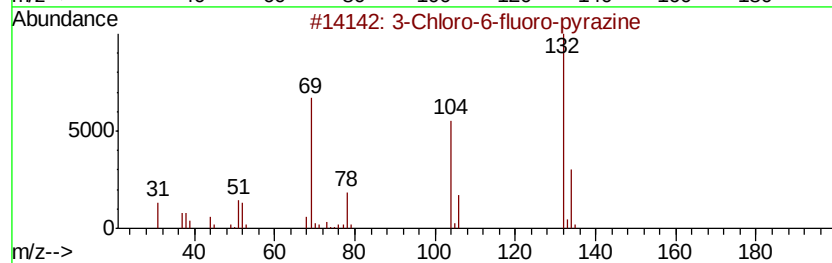
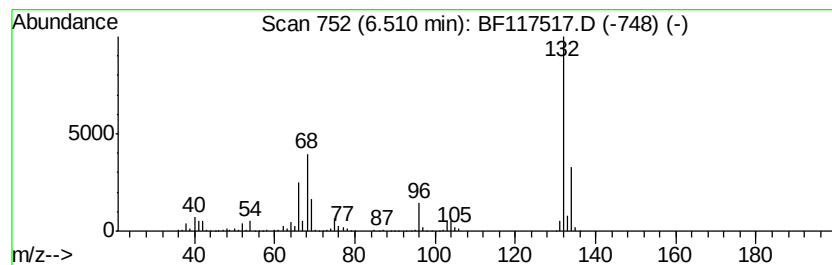
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.51 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	69.22 ng	921715	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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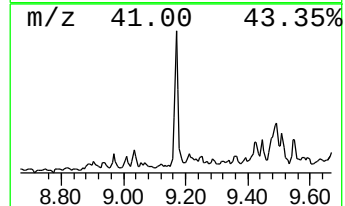
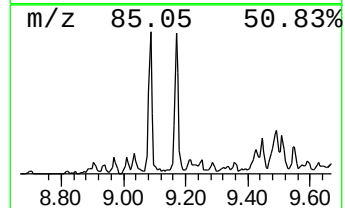
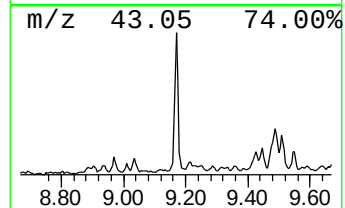
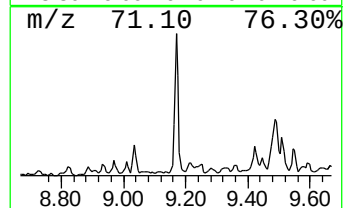
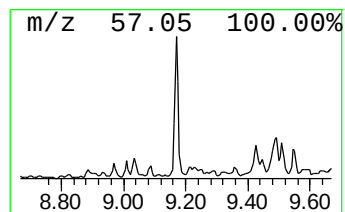
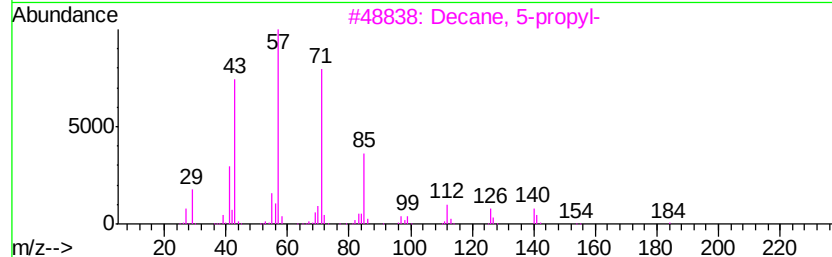
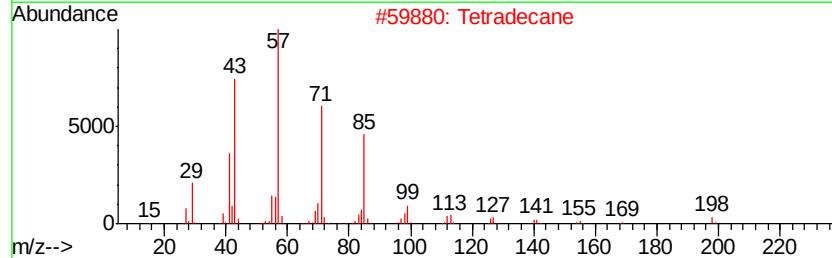
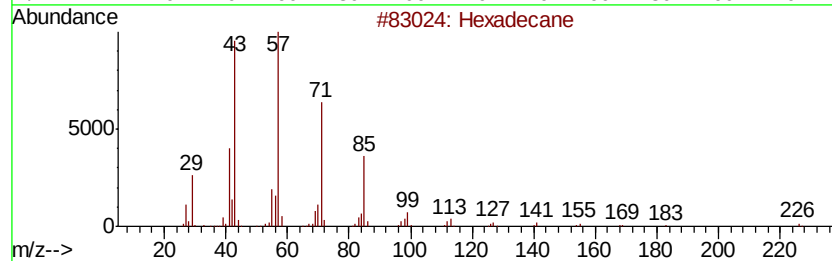
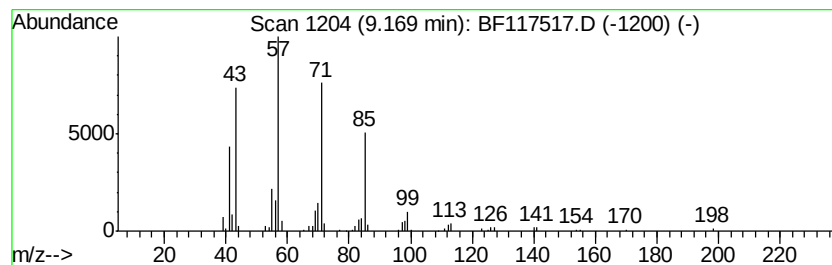
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	9.27 ng	198919	Acenaphthene-d10	9.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	90
2	Tetradecane		198	C14H30	000629-59-4	86
3	Decane, 5-propyl-		184	C13H28	017312-62-8	78
4	Nonane, 5-methyl-5-propyl-		184	C13H28	017312-75-3	72
5	Undecane, 3-methyl-		170	C12H26	001002-43-3	64



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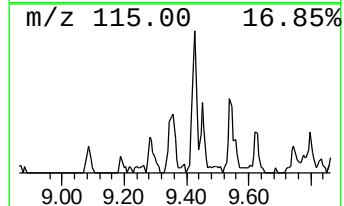
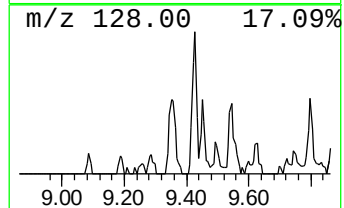
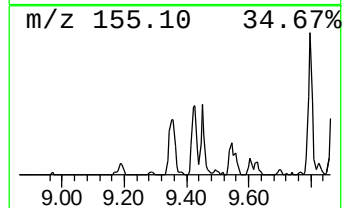
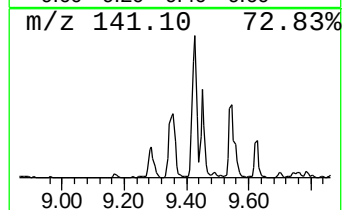
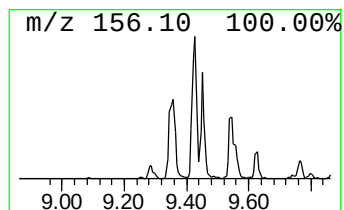
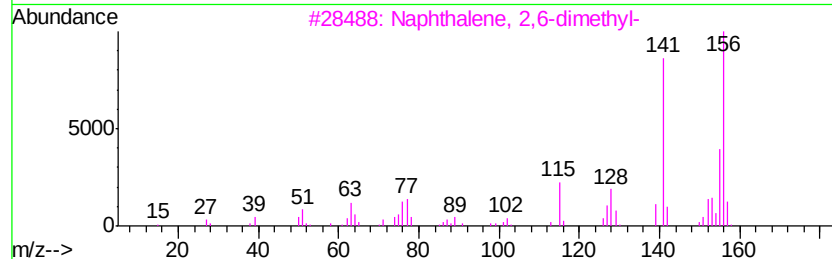
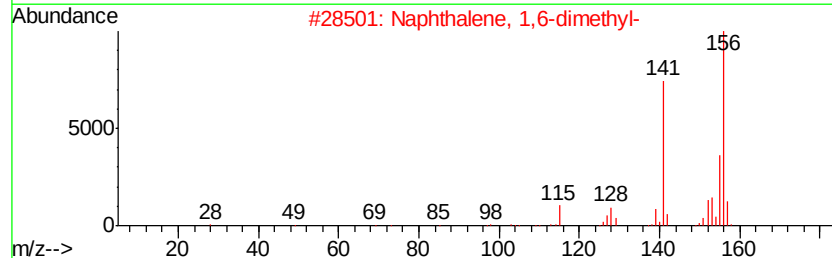
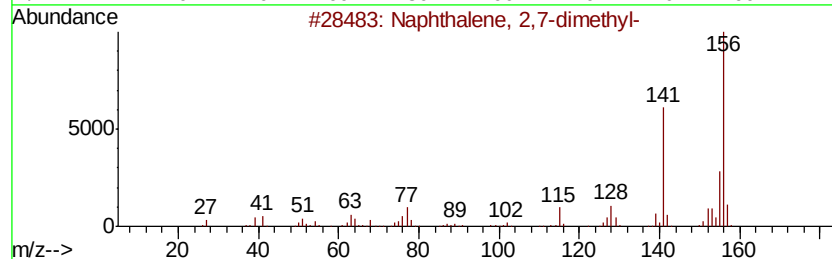
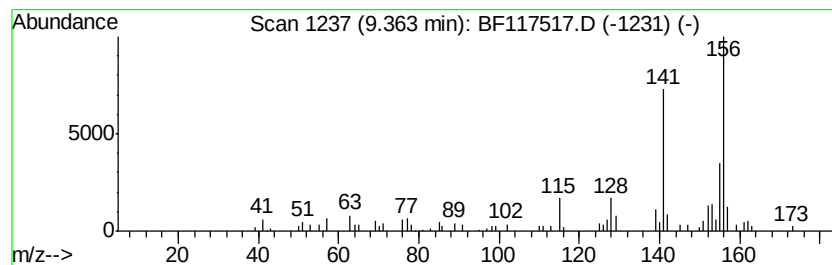
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	6.65 ng	142629	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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Acq On : 24 Oct 2019 18:26
Operator : JU
Sample : K5499-15
Misc :
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Instrument :
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ClientSampleId :
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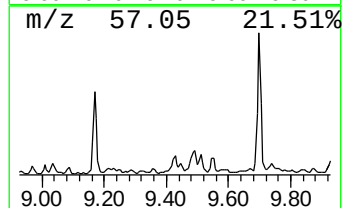
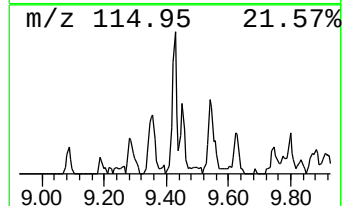
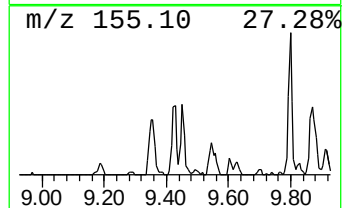
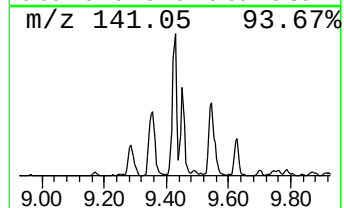
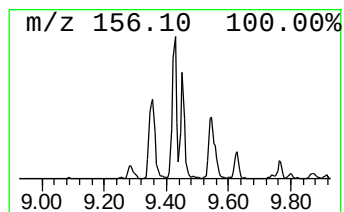
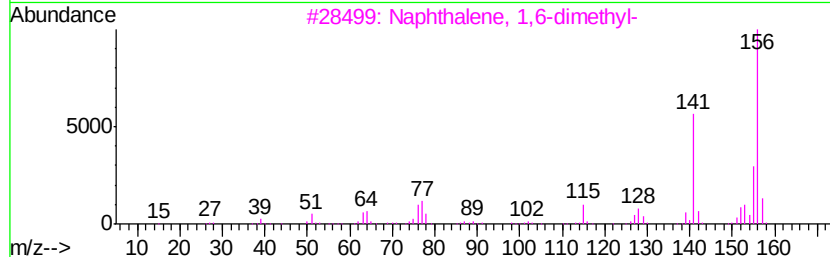
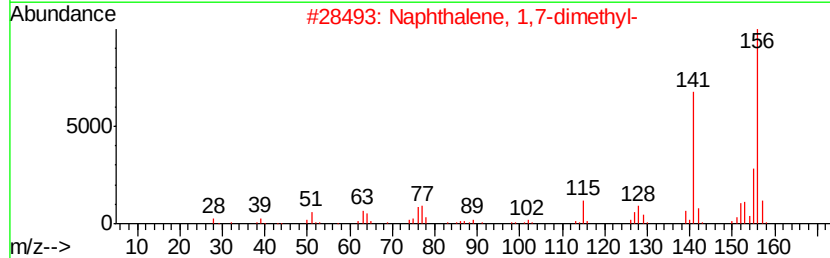
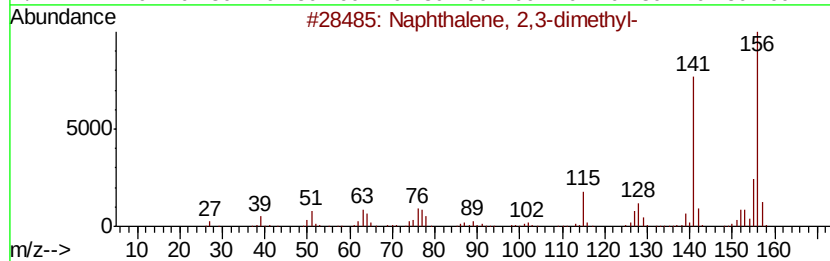
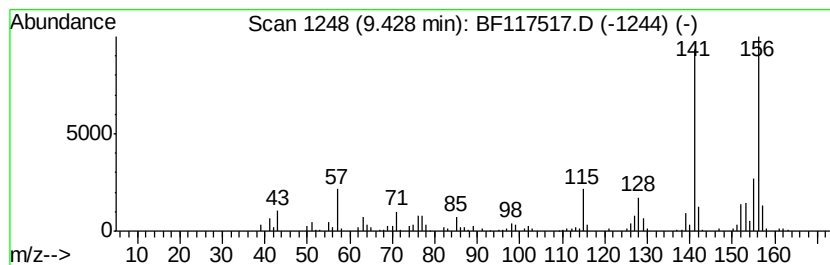
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	10.85 ng	232704	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117517.D
Acq On : 24 Oct 2019 18:26
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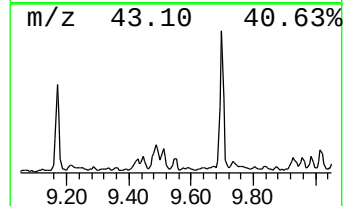
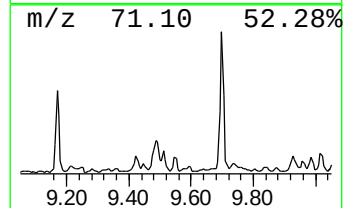
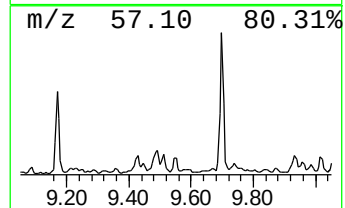
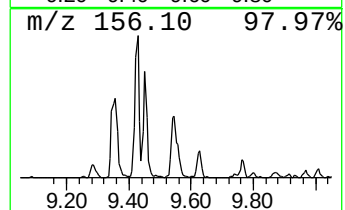
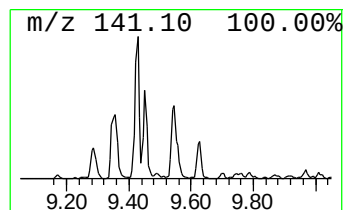
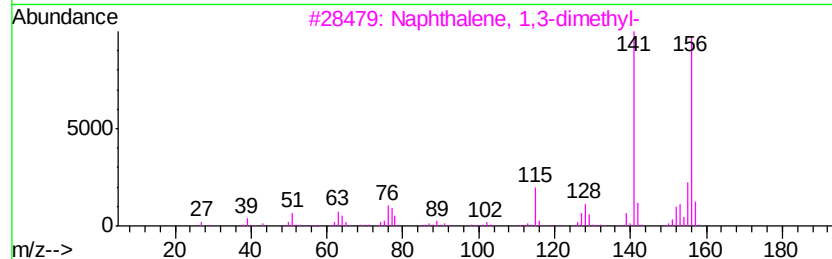
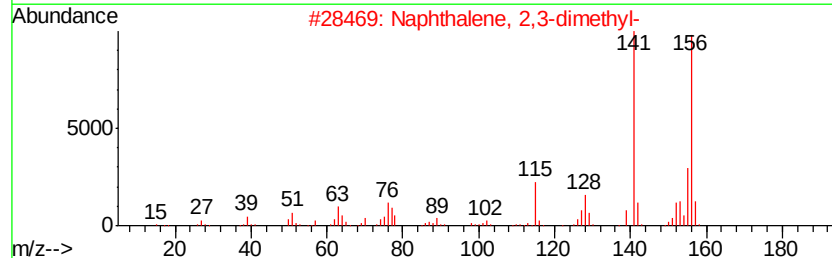
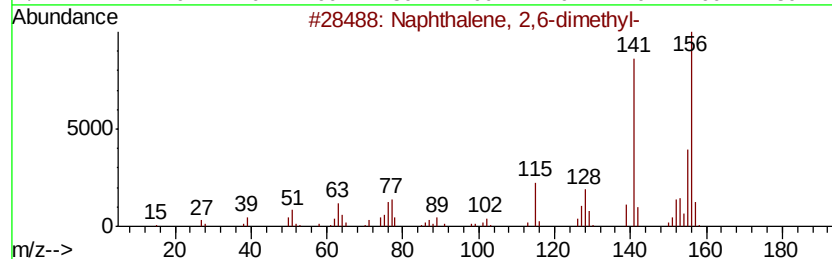
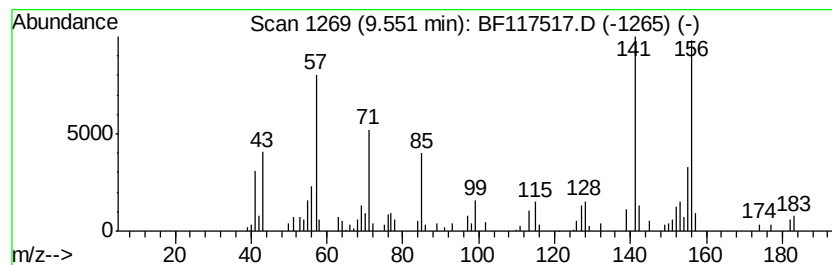
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	6.66 ng	142914	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117517.D
Acq On : 24 Oct 2019 18:26
Operator : JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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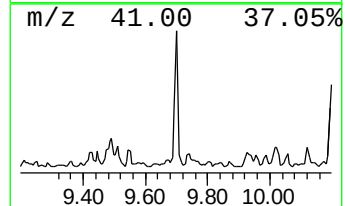
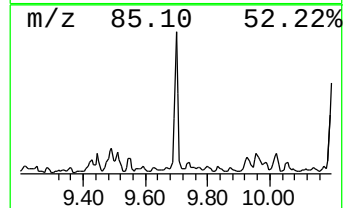
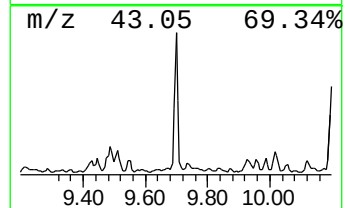
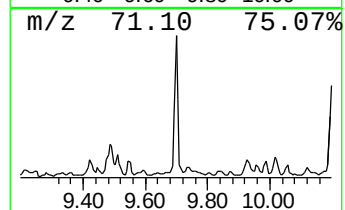
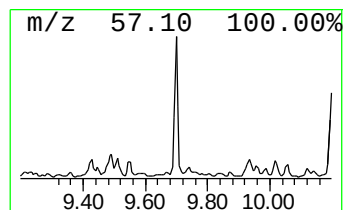
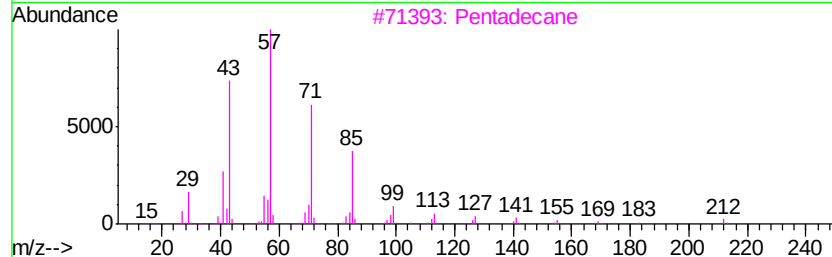
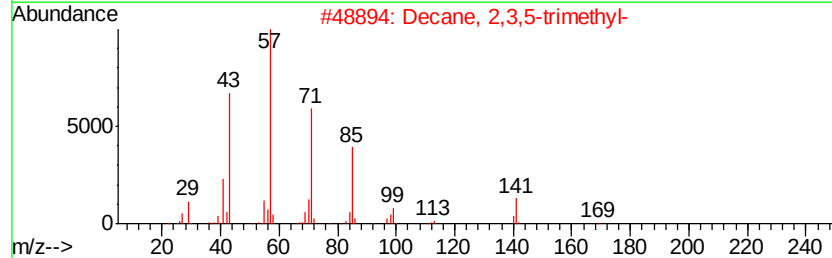
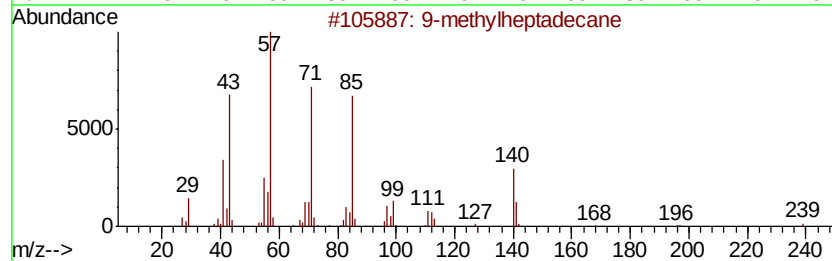
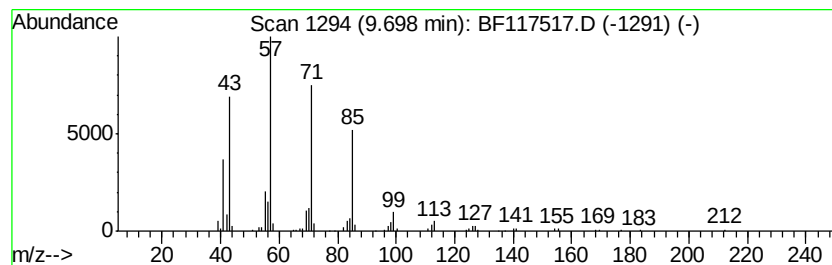
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9-methylheptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	13.56 ng	290902	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-methylheptadecane	254	C18H38	026741-18-4	90
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3		Pentadecane	212	C15H32	000629-62-9	83
4		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	83
5		Tetradecane	198	C14H30	000629-59-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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Acq On : 24 Oct 2019 18:26
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Misc :
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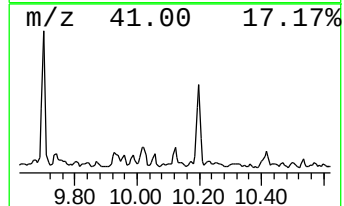
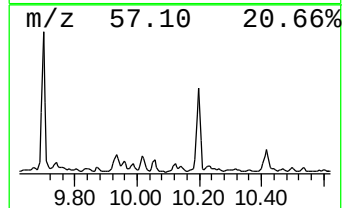
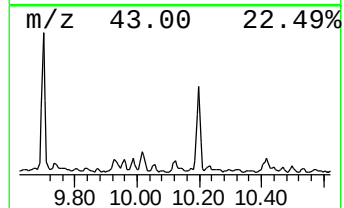
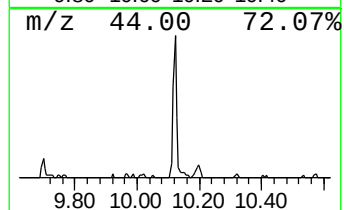
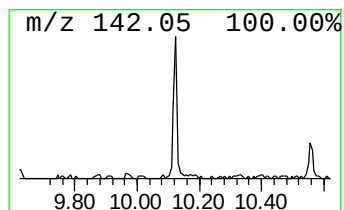
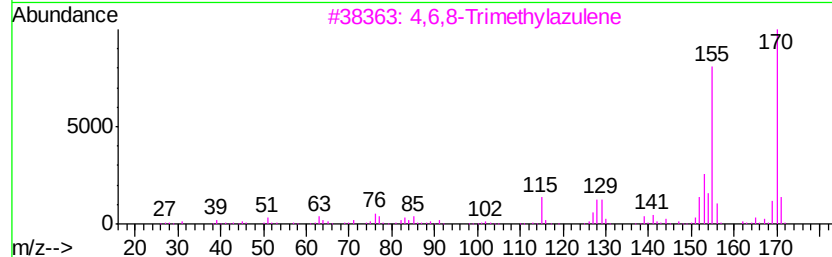
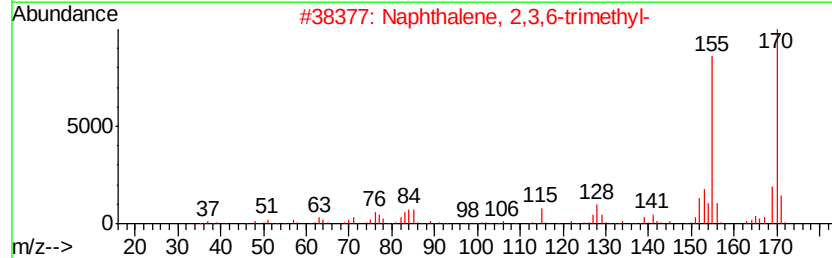
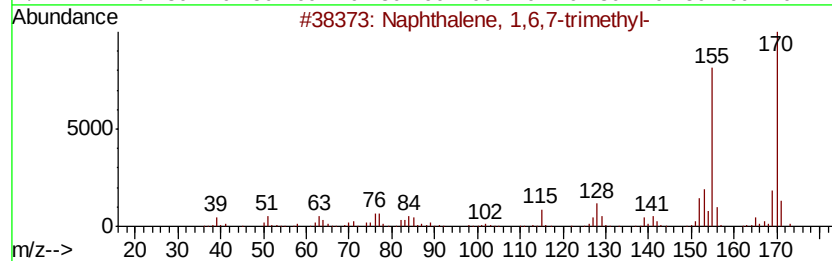
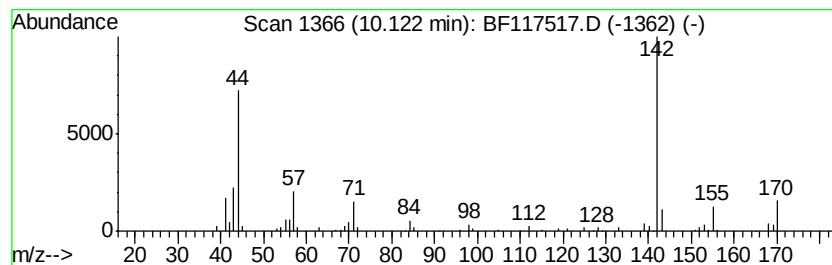
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.12	6.08 ng	130391	Acenaphthene-d10		9.76	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
3		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	47
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	47
5		2,4,6,(1H,3H,5H)-Pyrimidinetrion...	170	C6H6N2O4	058713-02-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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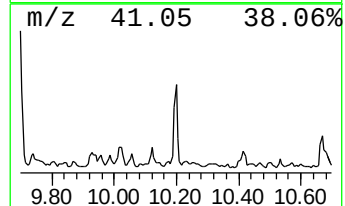
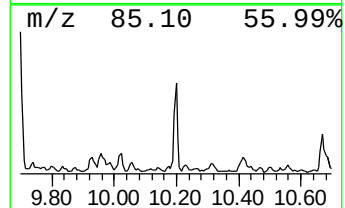
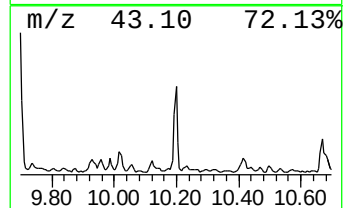
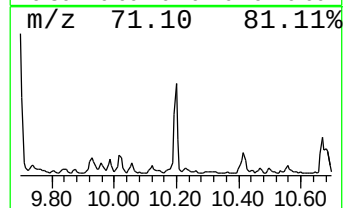
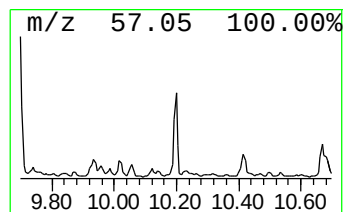
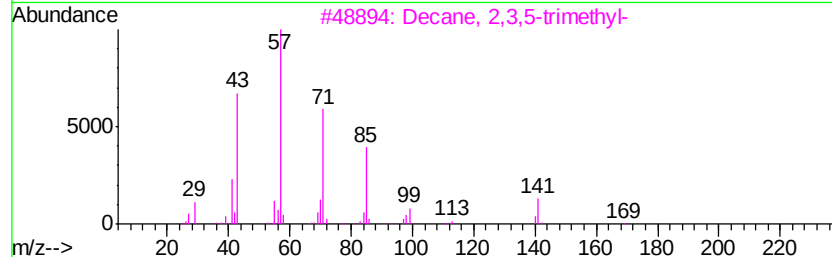
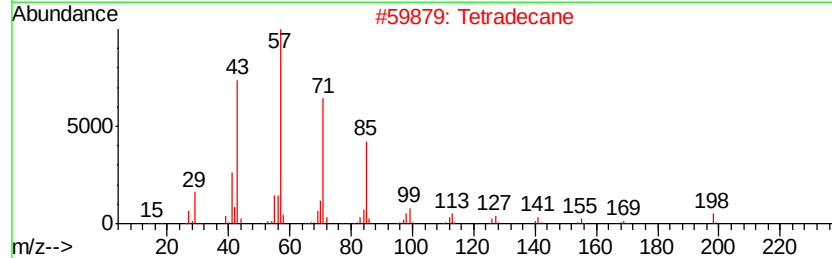
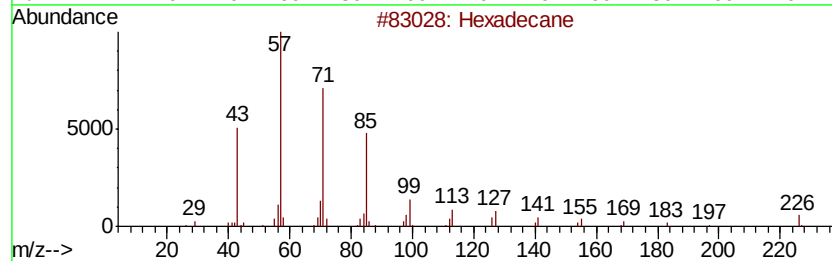
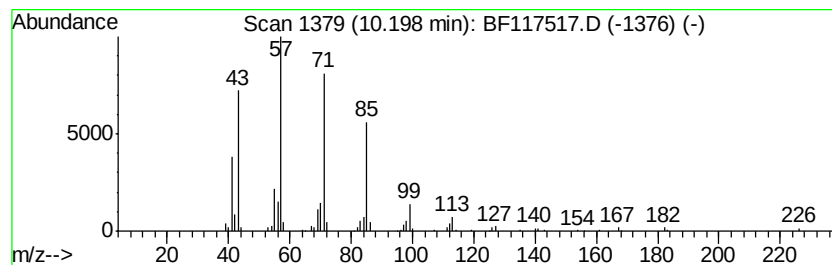
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.20	9.83 ng	210946	Acenaphthene-d10		9.76
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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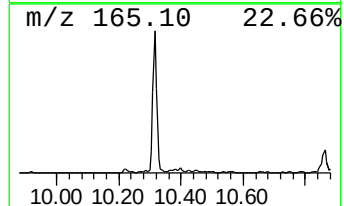
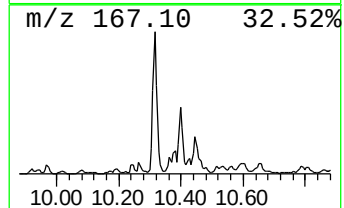
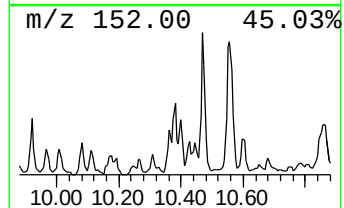
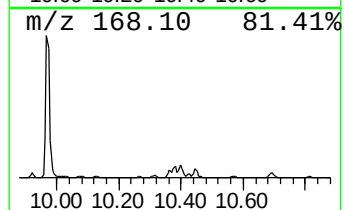
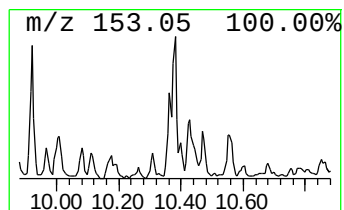
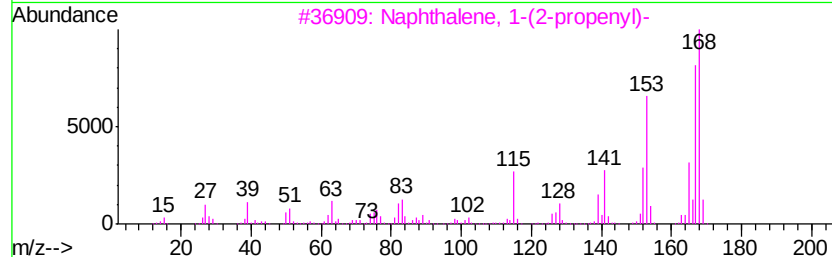
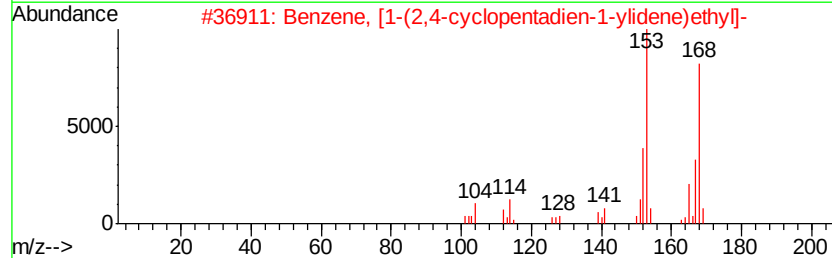
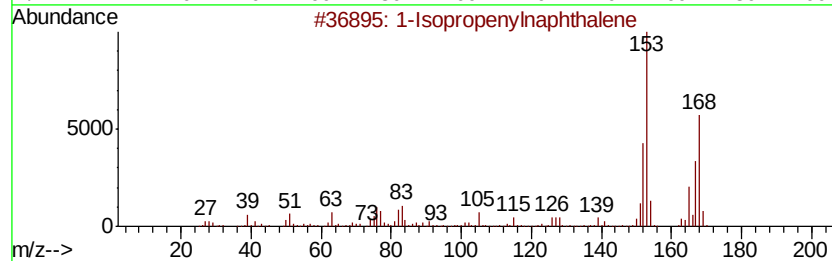
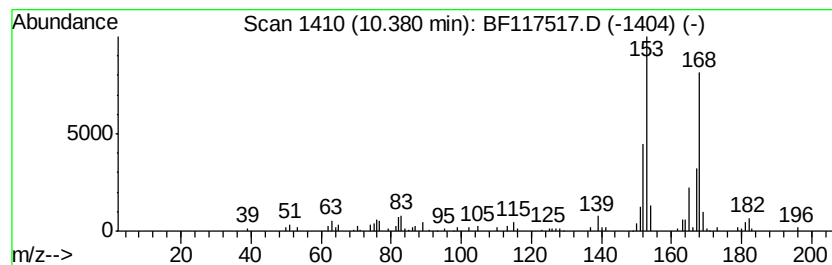
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	5.93 ng	127308	Acenaphthene-d10	9.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 90
2		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 90
3		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 64
4		5-Acetyl-2-methyl-3-thiophenecar...	168 C8H8O2S	090345-55-4 50
5		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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Operator : JU
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Misc :
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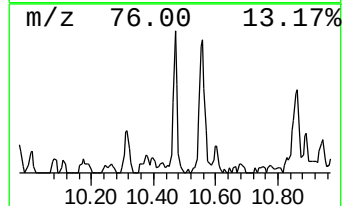
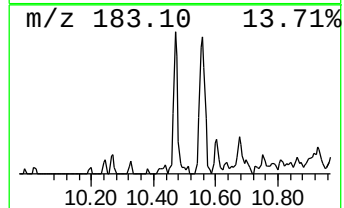
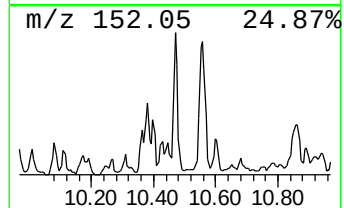
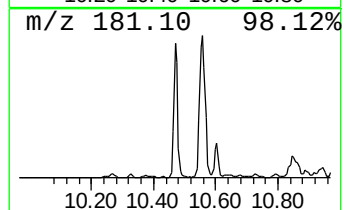
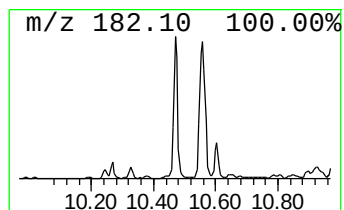
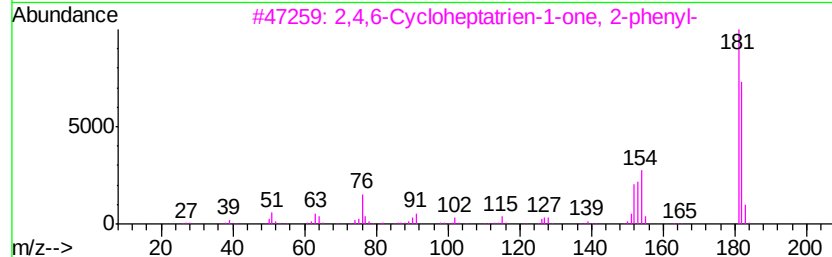
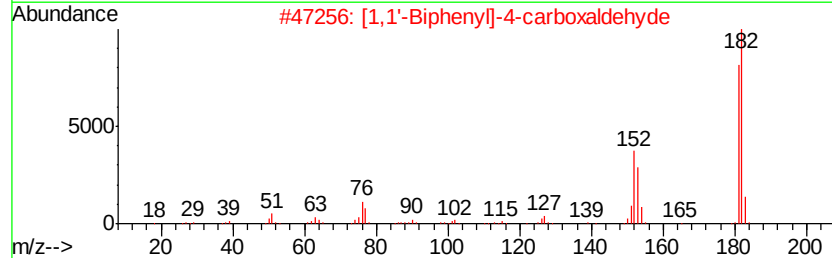
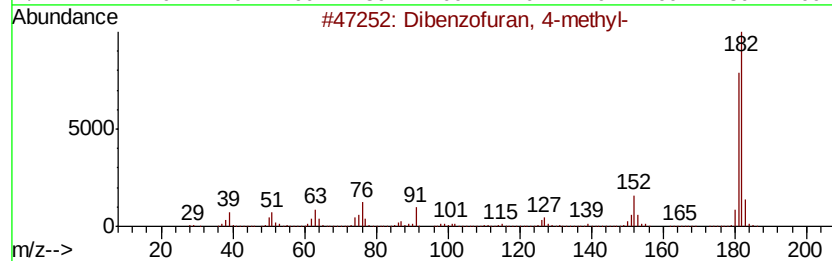
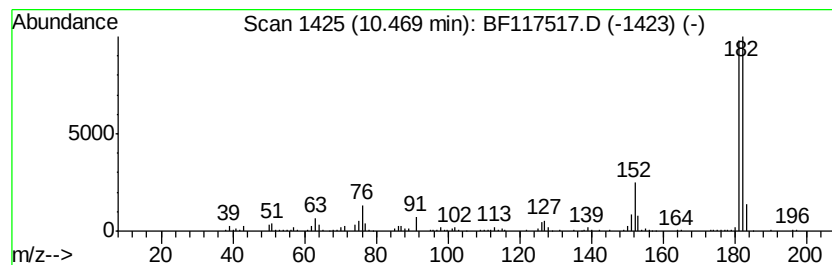
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.47	11.58 ng	248409	Acenaphthene-d10	9.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117517.D
Acq On : 24 Oct 2019 18:26
Operator : JU
Sample : K5499-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
705-81-(0-1)

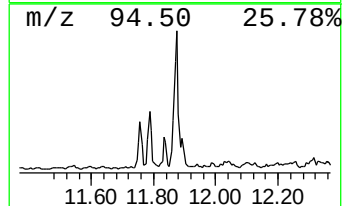
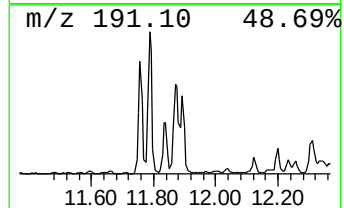
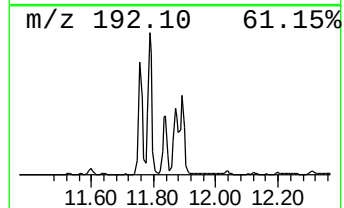
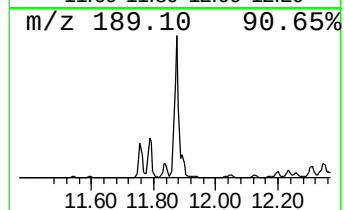
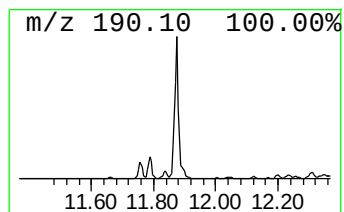
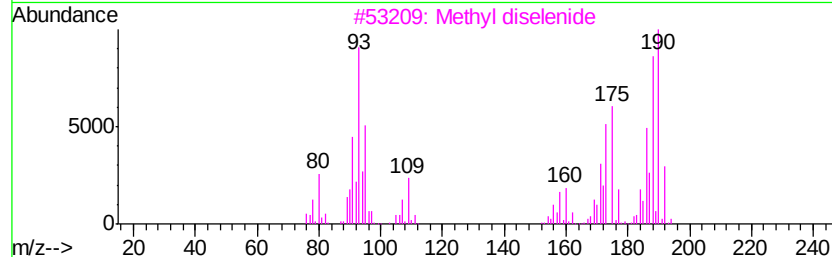
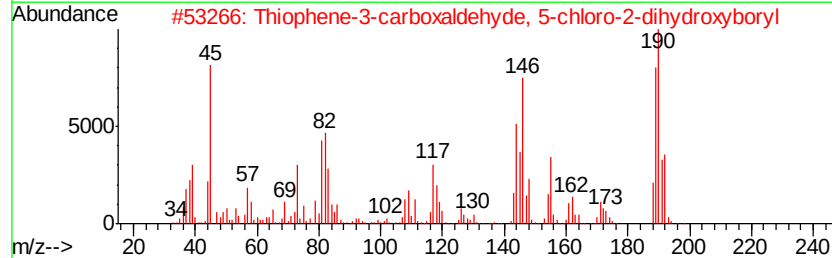
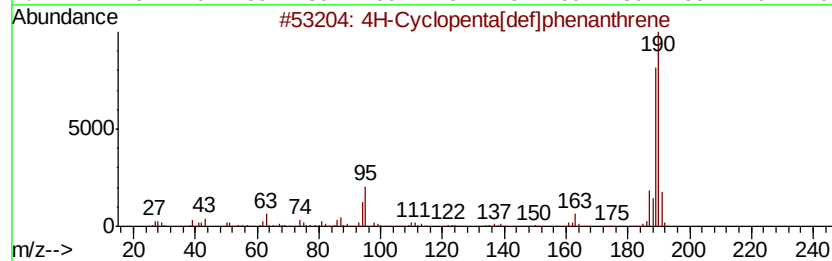
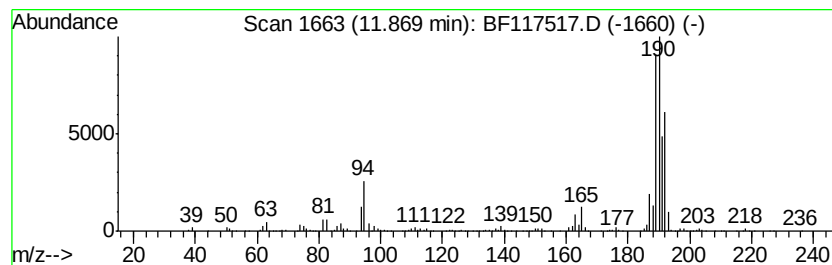
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.36 ng	1263030	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
3		Methyl diselenide	190	C2H6Se2	007101-31-7	46
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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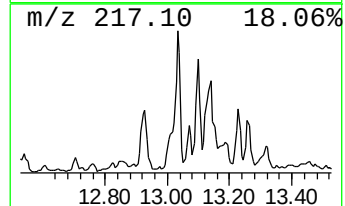
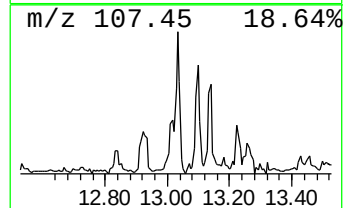
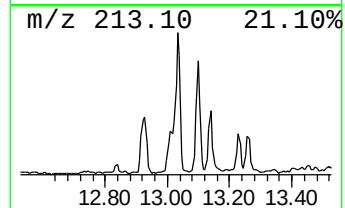
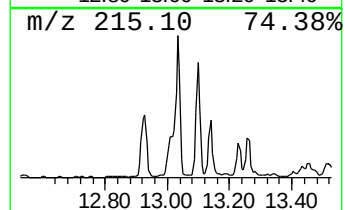
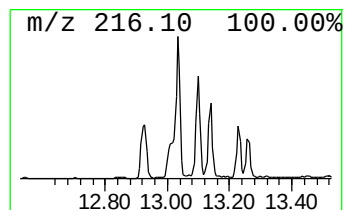
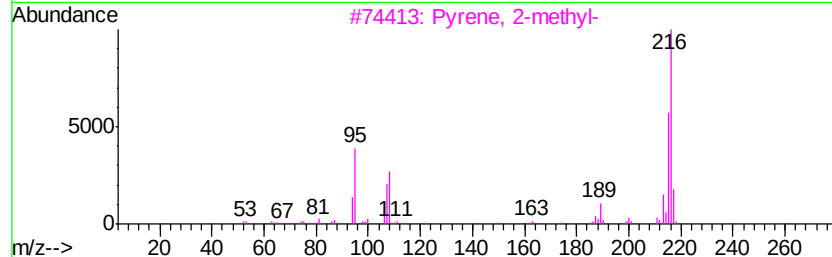
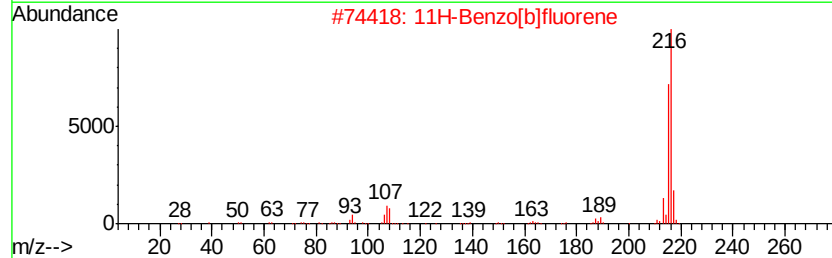
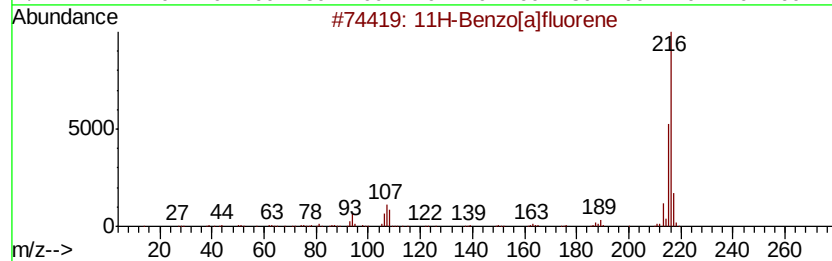
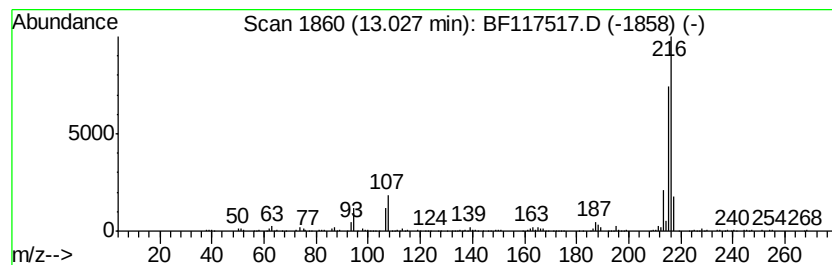
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	3.70 ng	747133	Chrysene-d12	13.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3			Pvrene, 2-methyl-	216	C17H12	003442-78-2	76
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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Operator : JU
Sample : K5499-15
Misc :
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Instrument :
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ClientSampleId :
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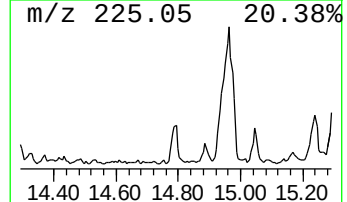
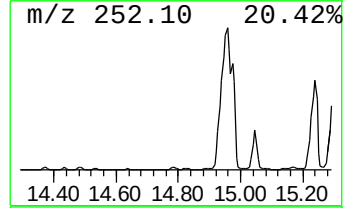
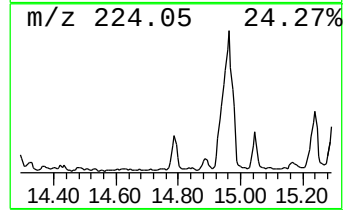
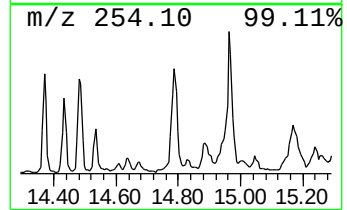
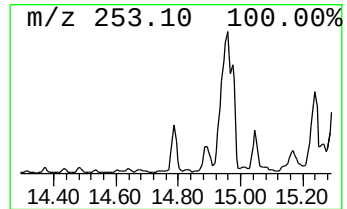
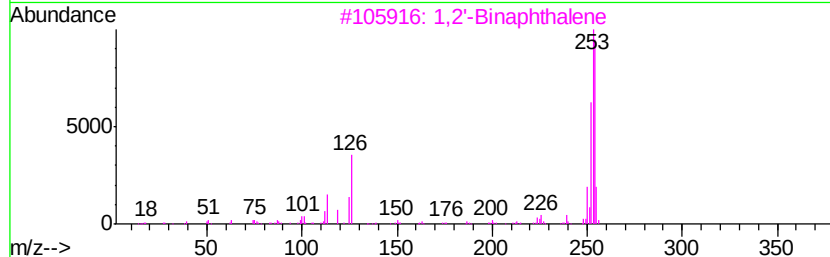
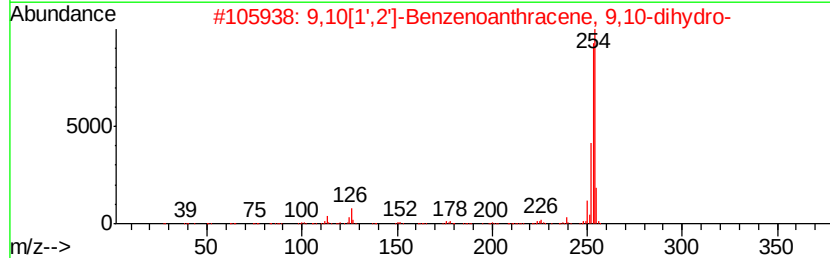
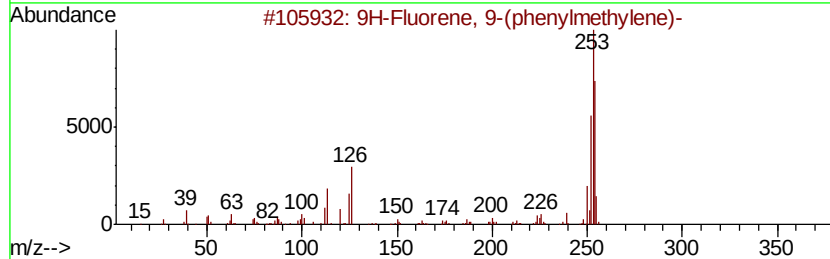
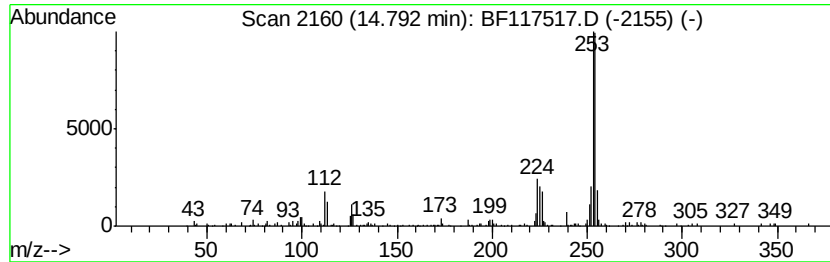
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	29.51 ng	292965	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	81
2		9,10[1',2']-Benzenoanthracene, 9,10-dihydro-	254	C20H14	000477-75-8	81
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	76
4		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	70
5		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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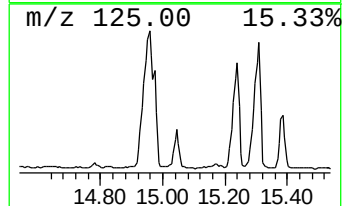
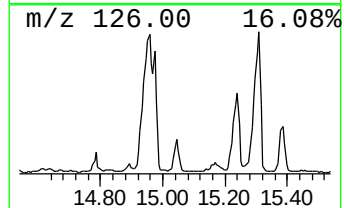
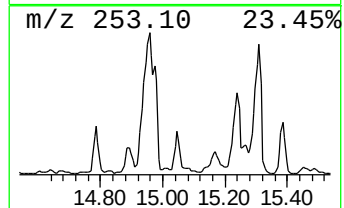
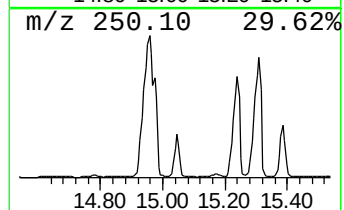
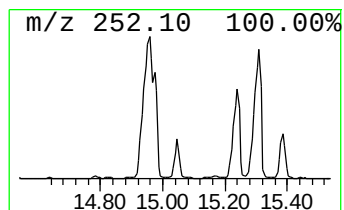
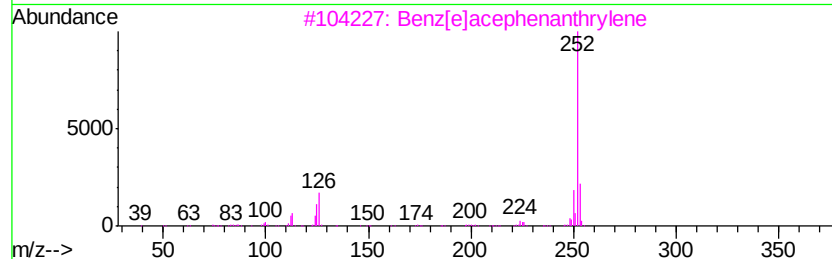
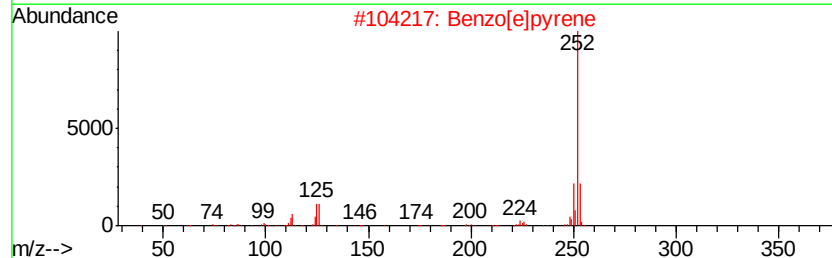
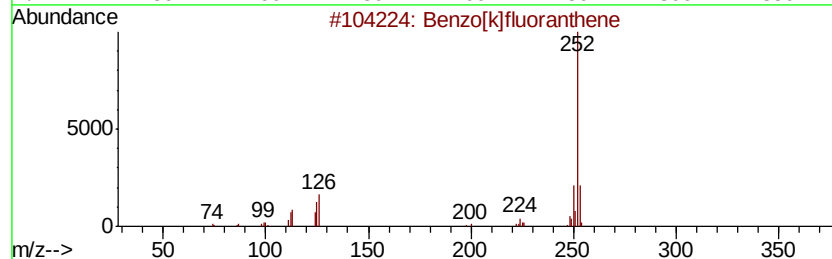
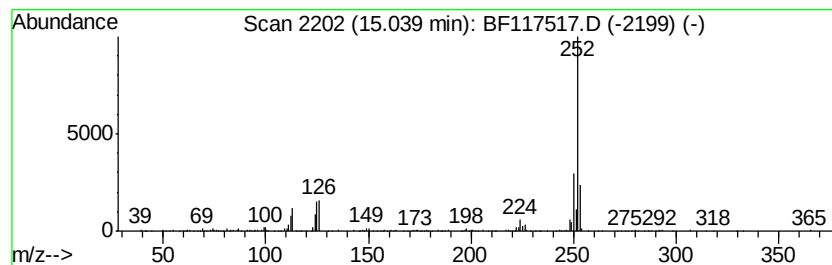
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	45.03 ng	447016	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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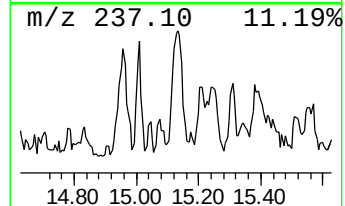
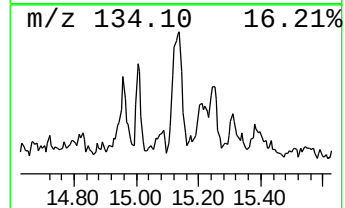
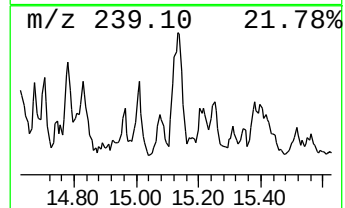
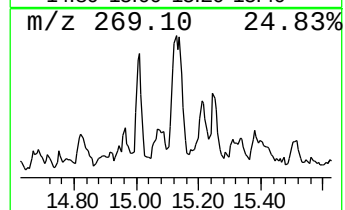
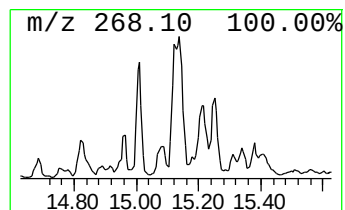
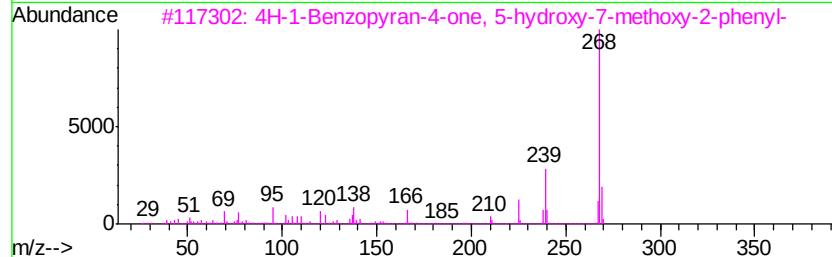
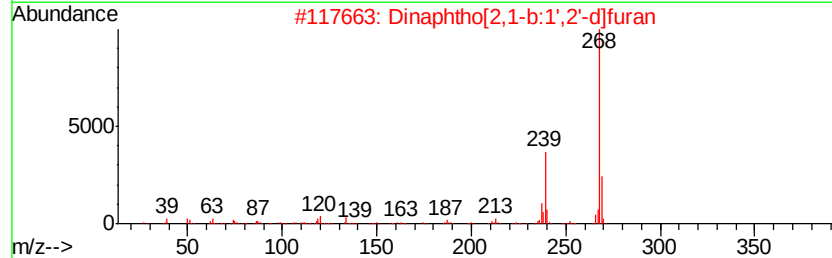
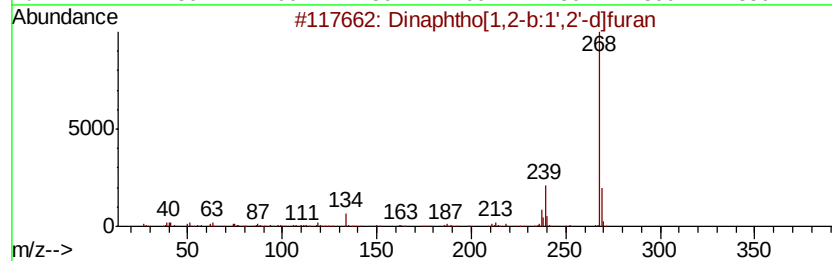
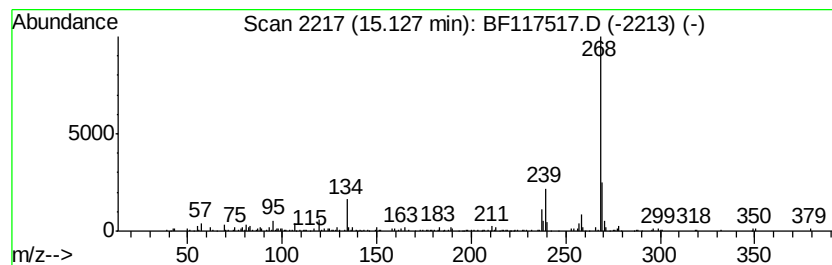
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	15.69 ng	155749	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	86
3		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	64
4		9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	64
5		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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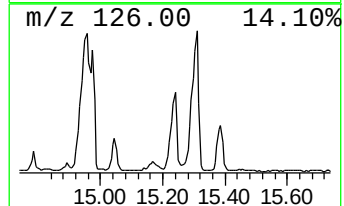
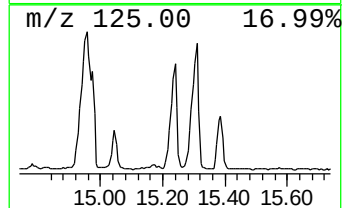
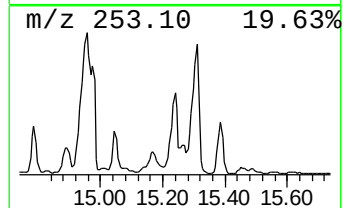
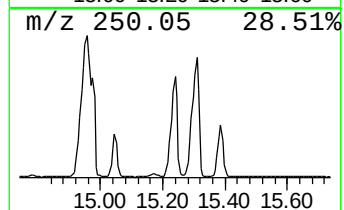
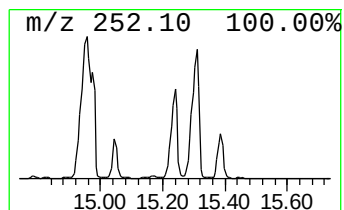
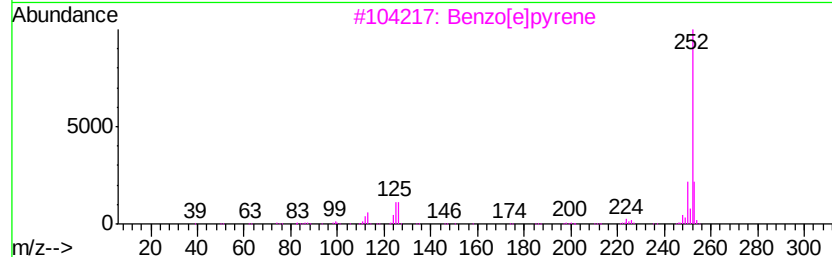
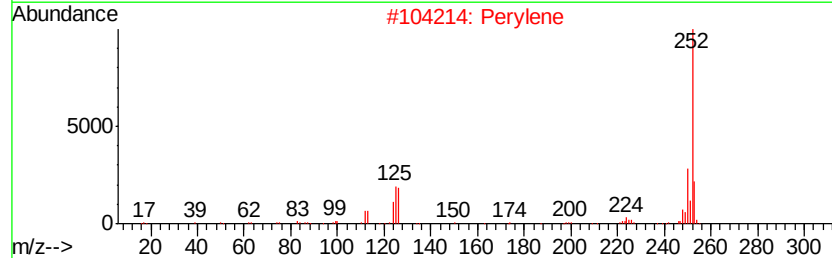
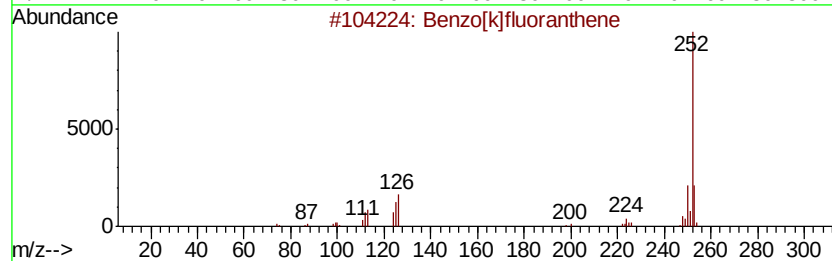
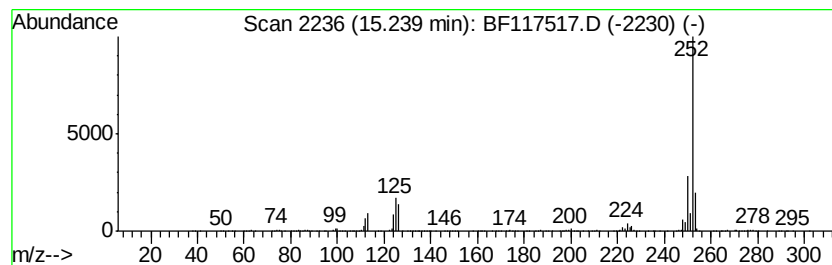
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	137.12 ng	1361140	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2		Perylene	252	C20H12	000198-55-0	99
3		Benzo[e]pyrene	252	C20H12	000192-97-2	97
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
705-81-(0-1)

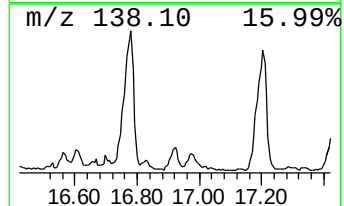
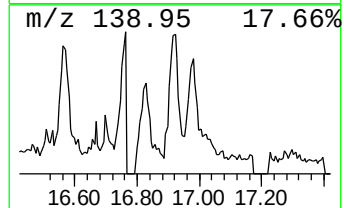
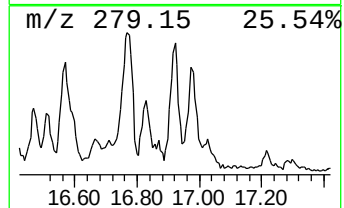
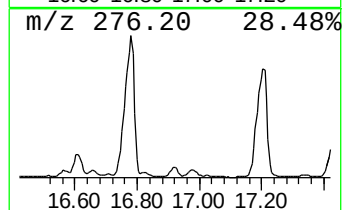
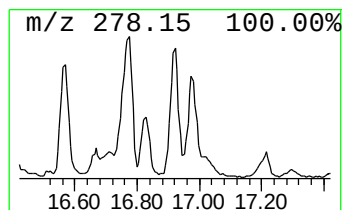
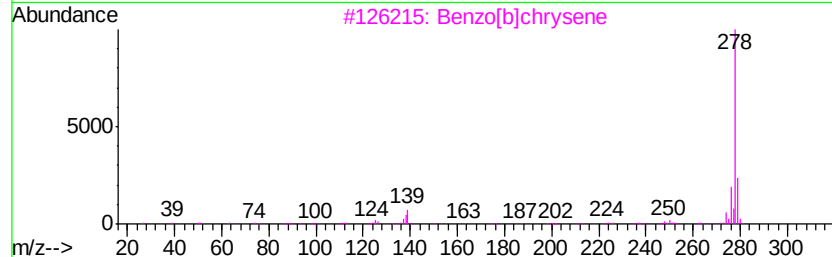
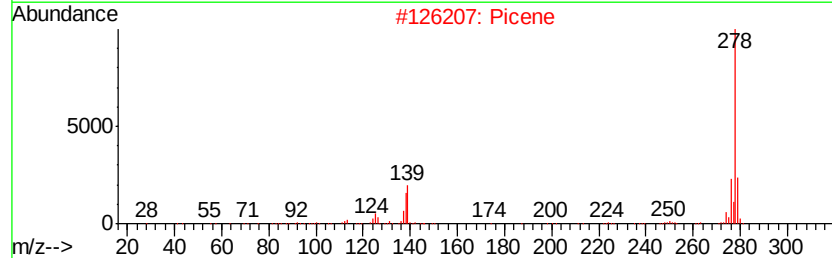
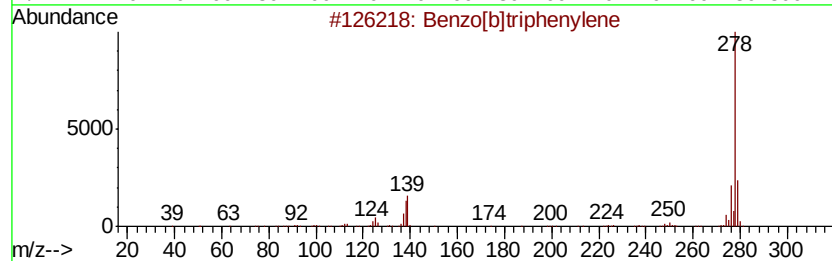
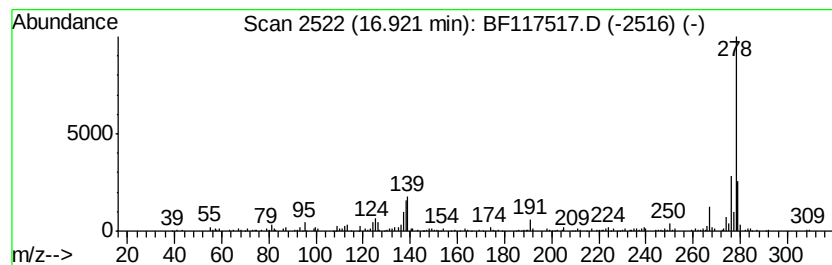
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	30.32 ng	300936	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Picene	278	C22H14	000213-46-7	98
3		Benzo[b]chrysene	278	C22H14	000214-17-5	95
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5		Pentaphene	278	C22H14	000222-93-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117517.D
Acq On : 24 Oct 2019 18:26
Operator : JU
Sample : K5499-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

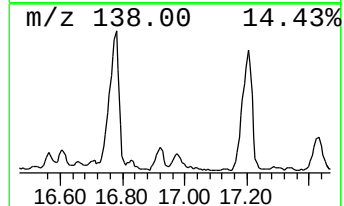
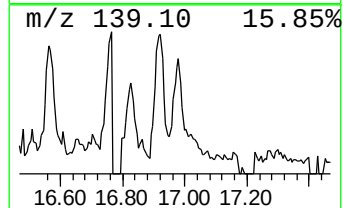
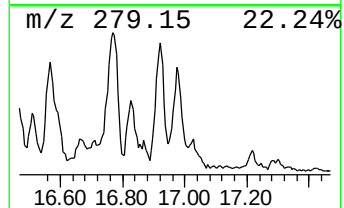
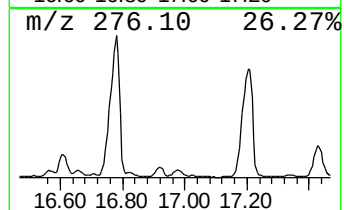
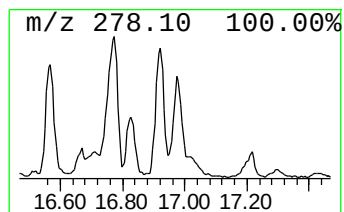
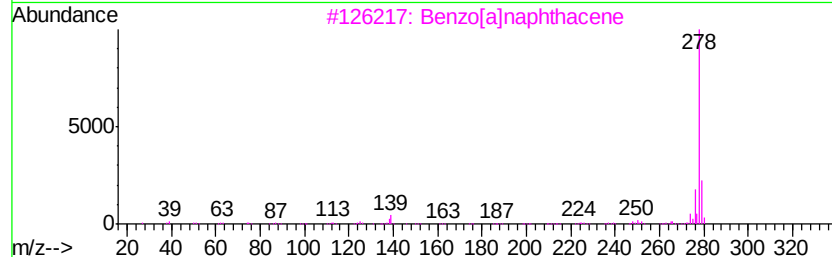
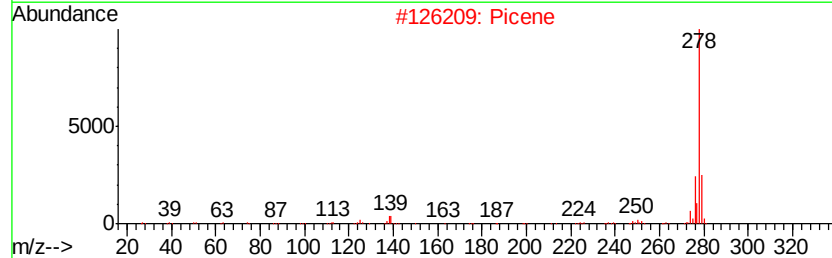
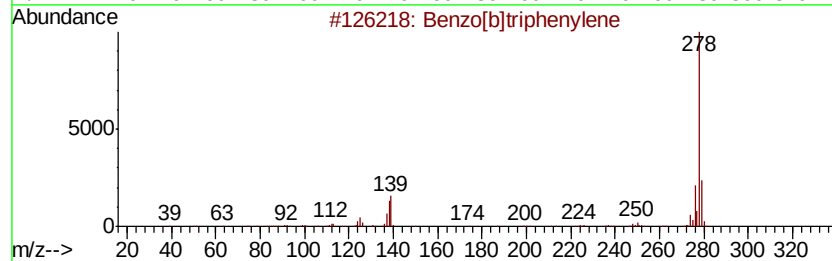
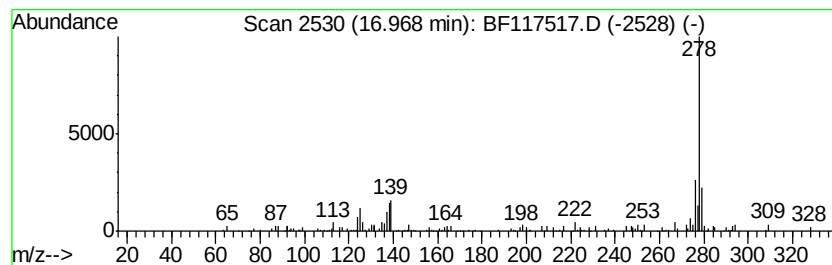
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	20.23 ng	200844	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2		Picene	278	C22H14	000213-46-7	93
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	91
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	87
5		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117517.D
Acq On : 24 Oct 2019 18:26
Operator : JU
Sample : K5499-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
705-81-(0-1)

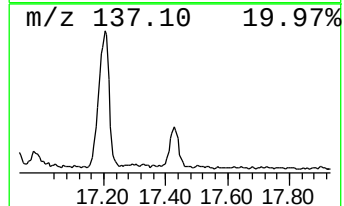
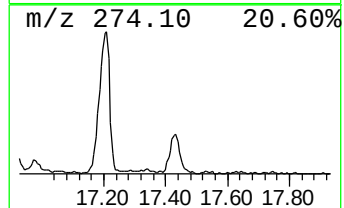
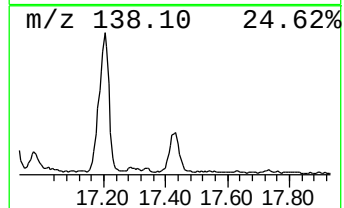
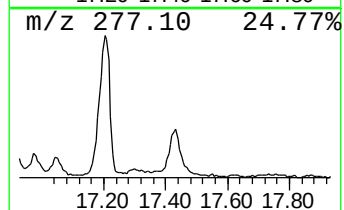
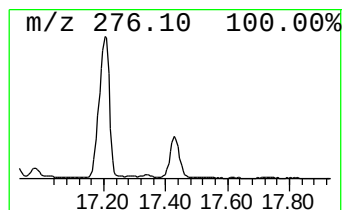
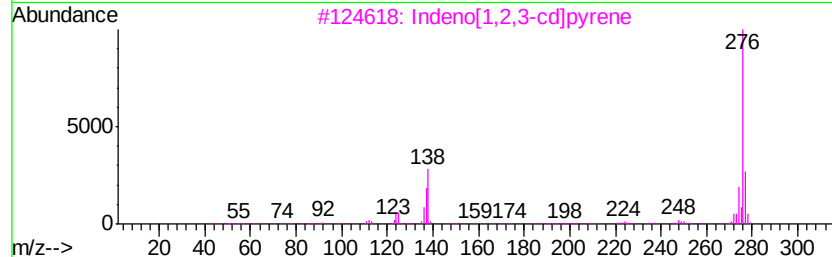
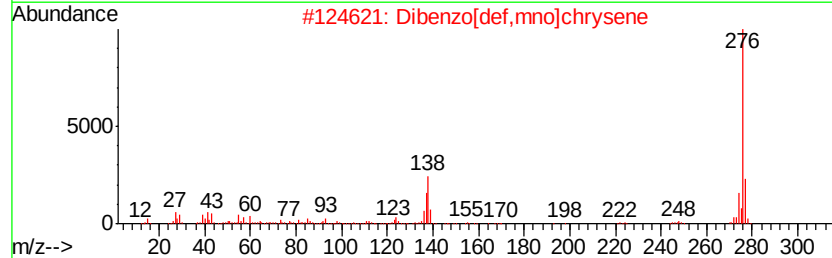
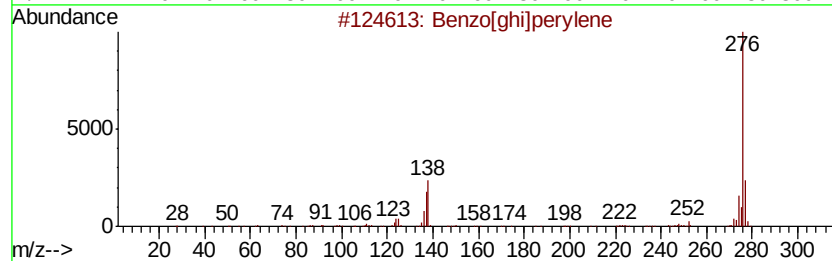
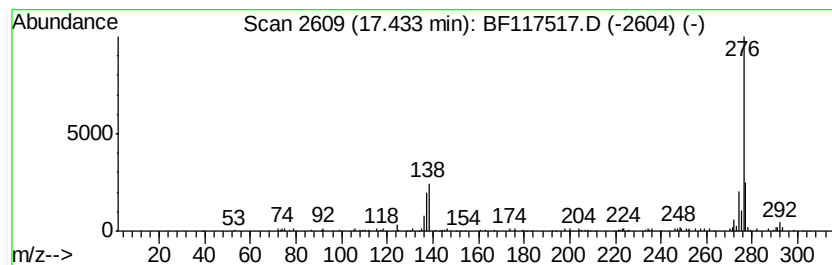
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	24.84 ng	246532	Perylene-d12	15.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5		Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102419\
 Data File : BF117517.D
 Acq On : 24 Oct 2019 18:26
 Operator : JU
 Sample : K5499-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 705-81-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.51	6.51	69.2	ng	921715	1	6.73	266310	20.0
Hexadecane	9.17	9.3	ng	198919	3	9.76	429034	20.0
Naphthalene, 2,7-...	9.36	6.7	ng	142629	3	9.76	429034	20.0
Naphthalene, 2,3-...	9.43	10.9	ng	232704	3	9.76	429034	20.0
Naphthalene, 2,6-...	9.55	6.7	ng	142914	3	9.76	429034	20.0
9-methylheptadecane	9.70	13.6	ng	290902	3	9.76	429034	20.0
Naphthalene, 1,6,...	10.12	6.1	ng	130391	3	9.76	429034	20.0
Tetradecane	10.20	9.8	ng	210946	3	9.76	429034	20.0
1-Isopropenyl naph...	10.38	5.9	ng	127308	3	9.76	429034	20.0
Dibenzofuran, 4-m...	10.47	11.6	ng	248409	3	9.76	429034	20.0
4H-Cyclopenta[def...	11.87	3.4	ng	1263030	4	11.26	7514590	20.0
11H-Benzo[a]fluorene	13.03	3.7	ng	747133	5	13.92	4042660	20.0
9H-Fluorene, 9-(p...	14.79	29.5	ng	292965	6	15.35	198528	20.0
Benzo[e]pyrene	15.04	45.0	ng	447016	6	15.35	198528	20.0
Dinaphtho[1,2-b:1...	15.13	15.7	ng	155749	6	15.35	198528	20.0
Perylene	15.24	137.1	ng	1361140	6	15.35	198528	20.0
Benzo[b]triphenylene	16.92	30.3	ng	300936	6	15.35	198528	20.0
Picene	16.97	20.2	ng	200844	6	15.35	198528	20.0
Dibenzo[def,mno]c...	17.43	24.8	ng	246532	6	15.35	198528	20.0