

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118325.D
 Acq On : 26 Dec 2019 19:19
 Operator : JU
 Sample : K6437-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(3-5)

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-BF122419.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	5.457	570	573	583	rVB	1716335	1546288	5.64%	0.562%
2	6.481	743	747	757	rBV	1915815	1805809	6.59%	0.656%
3	6.616	767	770	774	rBV	2193671	1849873	6.75%	0.672%
4	6.851	807	810	816	rVB	622535	556235	2.03%	0.202%
5	7.004	832	836	843	rBV	1769132	1455413	5.31%	0.529%
6	7.410	902	905	909	rBV	1130053	1015397	3.70%	0.369%
7	8.140	1026	1029	1030	rBV	728463	654217	2.39%	0.238%
8	8.157	1030	1032	1037	rVB	1321190	1024166	3.74%	0.372%
9	8.851	1147	1150	1157	rBV	801697	646318	2.36%	0.235%
10	8.951	1164	1167	1175	rVB	802901	635764	2.32%	0.231%
11	9.216	1208	1212	1215	rBV	2659939	2128205	7.76%	0.773%
12	9.481	1252	1257	1261	rBV	332248	456366	1.66%	0.166%
13	9.551	1266	1269	1272	rBV	557818	593489	2.16%	0.216%
14	9.757	1301	1304	1308	rBV	2069031	1896810	6.92%	0.689%
15	9.898	1326	1328	1331	rVV	1130610	853289	3.11%	0.310%
16	9.934	1331	1334	1337	rVV	1533227	1361875	4.97%	0.495%
17	10.104	1359	1363	1367	rBV	3188906	2812485	10.26%	1.022%
18	10.457	1418	1423	1426	rVB	4996575	4993164	18.21%	1.814%
19	10.604	1445	1448	1451	rVB	1221109	994656	3.63%	0.361%
20	10.692	1456	1463	1467	rBV	2893236	3070972	11.20%	1.116%
21	10.998	1508	1515	1518	rBV2	1012089	1205427	4.40%	0.438%
22	11.128	1532	1537	1539	rBV2	534627	627528	2.29%	0.228%
23	11.151	1539	1541	1546	rVV	546543	658407	2.40%	0.239%
24	11.204	1546	1550	1553	rVV	1235407	1191089	4.34%	0.433%
25	11.239	1553	1556	1560	rVV2	555272	772182	2.82%	0.280%
26	11.292	1561	1565	1571	rVB	2334621	2260764	8.25%	0.821%
27	11.451	1578	1592	1594	rBV	14645439	27417994	100.00%	9.960%
28	11.486	1594	1598	1600	rVV	5750621	4985326	18.18%	1.811%
29	11.510	1600	1602	1604	rVV	595833	475418	1.73%	0.173%
30	11.633	1617	1623	1629	rVV	3925350	4306137	15.71%	1.564%
31	11.686	1629	1632	1637	rVV2	664309	784102	2.86%	0.285%
32	11.728	1637	1639	1644	rVB3	608465	718289	2.62%	0.261%
33	11.904	1663	1669	1671	rBV	2802452	3129683	11.41%	1.137%
34	11.933	1671	1674	1677	rVB	4541709	4238626	15.46%	1.540%

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35	11.980	1677	1682	1685	rBV	989127	1050082	3.83%	0.381%
36	12.022	1685	1689	1691	rVV	4619238	5742843	20.95%	2.086%
37	12.039	1691	1692	1696	rVB	1942988	884016	3.22%	0.321%
38	12.080	1696	1699	1701	rBV2	465981	466293	1.70%	0.169%
39	12.133	1706	1708	1711	rVV2	382210	435868	1.59%	0.158%
40	12.192	1715	1718	1721	rVV	2214676	2096365	7.65%	0.762%
41	12.233	1721	1725	1729	rVB	2750080	2993639	10.92%	1.087%
42	12.345	1739	1744	1747	rBV2	569128	678388	2.47%	0.246%
43	12.375	1747	1749	1752	rVV	675874	563610	2.06%	0.205%
44	12.451	1758	1762	1765	rBV	1066026	1227726	4.48%	0.446%
45	12.498	1765	1770	1775	rVV4	755960	1397960	5.10%	0.508%
46	12.557	1775	1780	1785	rVB3	868047	1389807	5.07%	0.505%
47	12.651	1786	1796	1798	rBV	14220141	25177591	91.83%	9.146%
48	12.686	1800	1802	1804	rVV	709451	583950	2.13%	0.212%
49	12.722	1804	1808	1812	rVB	1457255	1467737	5.35%	0.533%
50	12.775	1812	1817	1820	rBV	1796383	1867424	6.81%	0.678%
51	12.880	1826	1835	1837	rBV2	11376652	22848216	83.33%	8.300%
52	12.898	1837	1838	1842	rVB2	1445707	1120402	4.09%	0.407%
53	12.969	1846	1850	1851	rBV	1766938	1690554	6.17%	0.614%
54	12.986	1851	1853	1855	rVV	2508441	1938058	7.07%	0.704%
55	13.010	1855	1857	1861	rVB	1390957	1381564	5.04%	0.502%
56	13.074	1861	1868	1870	rBV2	1496331	2648396	9.66%	0.962%
57	13.098	1870	1872	1874	rVB	634963	456384	1.66%	0.166%
58	13.157	1878	1882	1884	rBV3	1292575	1957037	7.14%	0.711%
59	13.180	1884	1886	1889	rVB	3012774	2680746	9.78%	0.974%
60	13.245	1894	1897	1900	rBV	2419611	2262272	8.25%	0.822%
61	13.286	1900	1904	1907	rVV2	1844132	2236395	8.16%	0.812%
62	13.374	1916	1919	1922	rBV	891137	831382	3.03%	0.302%
63	13.410	1922	1925	1927	rBV2	927212	905673	3.30%	0.329%
64	13.551	1946	1949	1951	rBV2	333874	386066	1.41%	0.140%
65	13.598	1955	1957	1960	rVB2	398429	434451	1.58%	0.158%
66	13.692	1970	1973	1976	rVB	2039125	1850130	6.75%	0.672%
67	13.804	1987	1992	1994	rBV	2259447	2504308	9.13%	0.910%
68	13.827	1994	1996	1999	rVV	2130250	2123901	7.75%	0.772%
69	13.857	1999	2001	2007	rVV3	1895511	3310751	12.08%	1.203%
70	13.910	2007	2010	2015	rVB	2006390	2136019	7.79%	0.776%
71	13.969	2015	2020	2024	rBV	554117	920859	3.36%	0.335%

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72	14.057	2028	2035	2039	rVV3	7438257	15620751	56.97%	5.674%
73	14.098	2039	2042	2045	rVV	8278823	10178542	37.12%	3.697%
74	14.169	2051	2054	2056	rVV	1383667	1234666	4.50%	0.448%
75	14.210	2057	2061	2063	rVV	1444388	1724035	6.29%	0.626%
76	14.251	2065	2068	2070	rVV	928666	1035839	3.78%	0.376%
77	14.280	2070	2073	2077	rVV2	1488779	2018804	7.36%	0.733%
78	14.316	2077	2079	2082	rVV2	604851	572996	2.09%	0.208%
79	14.410	2092	2095	2097	rVV2	808297	1066394	3.89%	0.387%
80	14.445	2097	2101	2103	rVV	2170273	2387253	8.71%	0.867%
81	14.474	2103	2106	2111	rVV3	1053012	1725749	6.29%	0.627%
82	14.521	2112	2114	2116	rVV2	703473	761658	2.78%	0.277%
83	14.569	2120	2122	2124	rVV	1127114	1143570	4.17%	0.415%
84	14.592	2124	2126	2130	rVV3	985658	947316	3.46%	0.344%
85	14.639	2130	2134	2136	rVB2	586280	686379	2.50%	0.249%
86	14.763	2152	2155	2165	rBV8	555090	1275261	4.65%	0.463%
87	14.951	2183	2187	2190	rBV	917565	1095293	3.99%	0.398%
88	15.139	2210	2219	2221	rBV2	5985175	13371469	48.77%	4.857%
89	15.192	2225	2228	2231	rVV2	403105	487853	1.78%	0.177%
90	15.233	2231	2235	2238	rVB	1607737	1700556	6.20%	0.618%
91	15.316	2245	2249	2255	rBV3	453707	1136752	4.15%	0.413%
92	15.439	2263	2270	2275	rVB	3256027	5247995	19.14%	1.906%
93	15.515	2275	2283	2286	rVV	4886433	7881943	28.75%	2.863%
94	15.557	2287	2290	2292	rVV	569497	659847	2.41%	0.240%
95	15.598	2292	2297	2302	rVB2	1789316	2644001	9.64%	0.960%
96	17.086	2540	2550	2555	rVB	2131507	4832349	17.62%	1.755%
97	17.239	2571	2576	2581	rBV	397220	750203	2.74%	0.273%
98	17.298	2582	2586	2592	rVB2	317368	581482	2.12%	0.211%
99	17.545	2618	2628	2638	rVB	1406093	3539516	12.91%	1.286%
100	17.768	2661	2666	2680	rVB3	443851	1215208	4.43%	0.441%

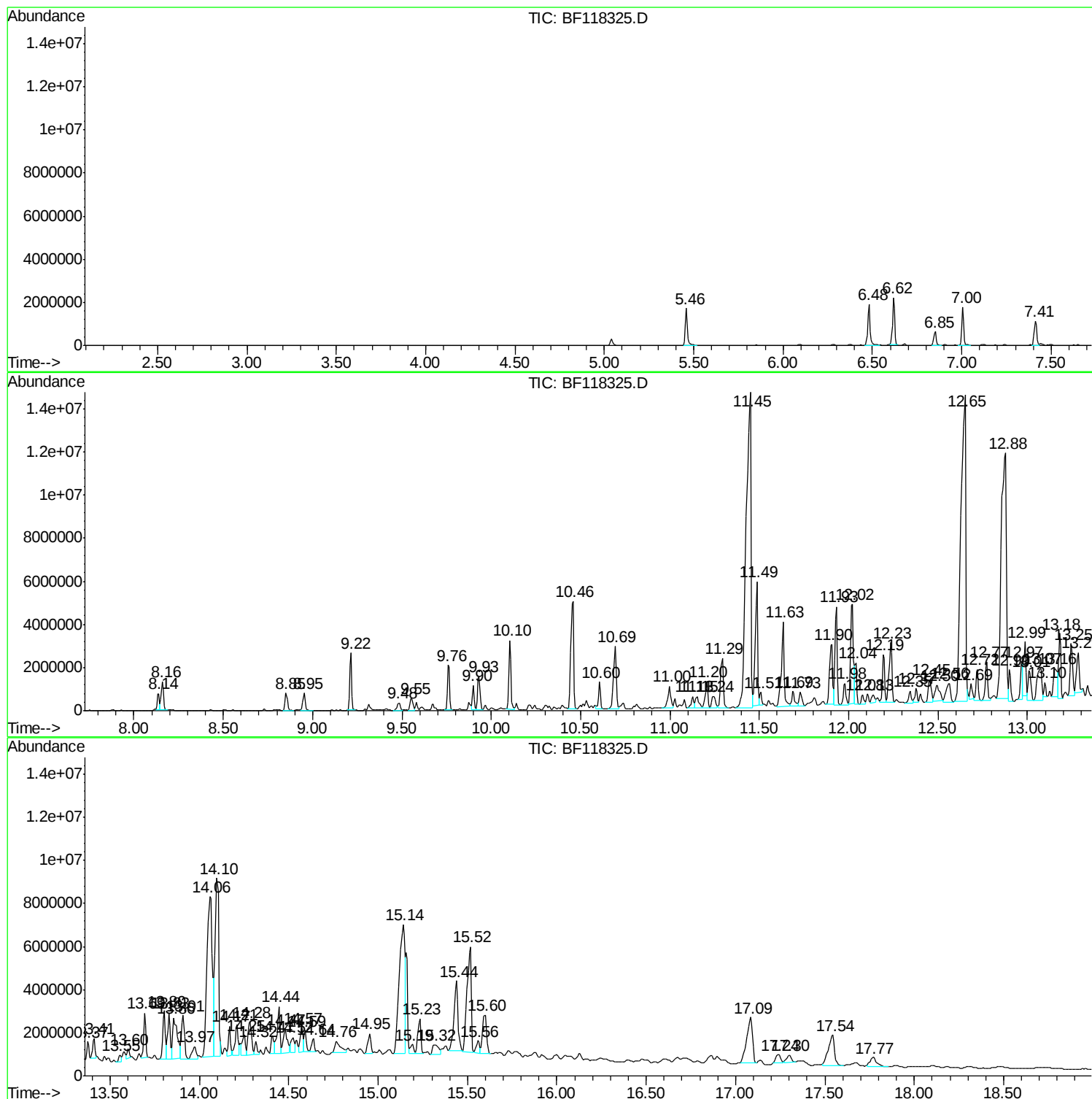
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Instrument :
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ClientSampleId :
GP-2-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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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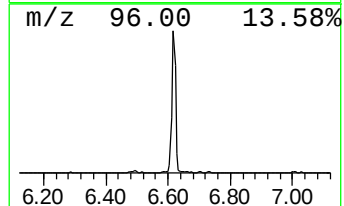
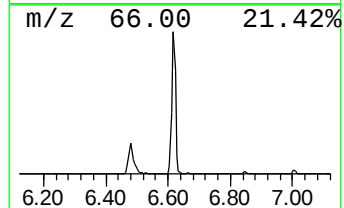
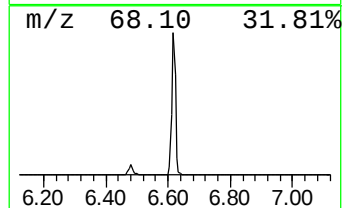
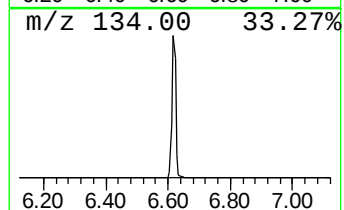
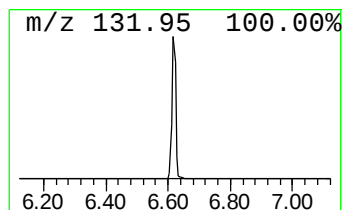
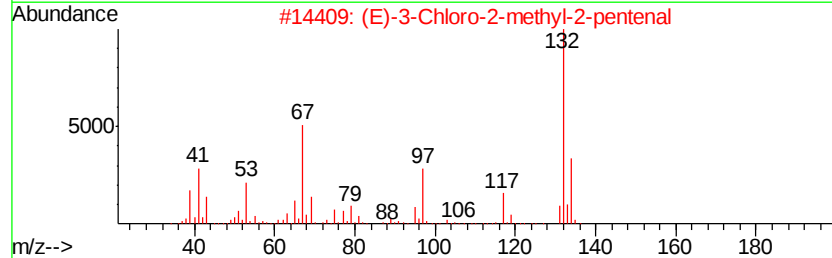
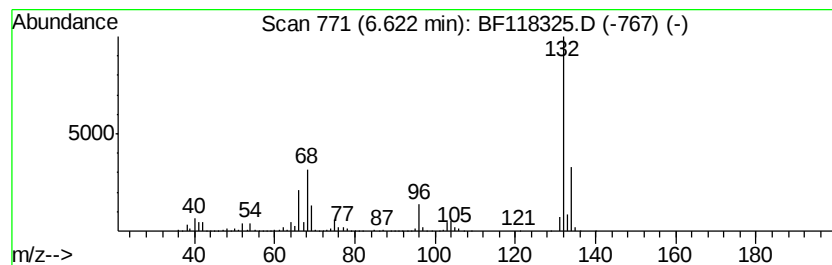
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	66.51 ng	1849870	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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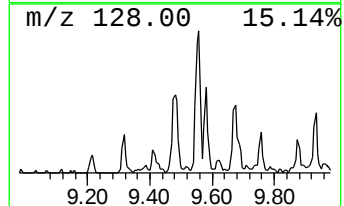
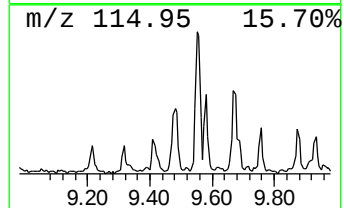
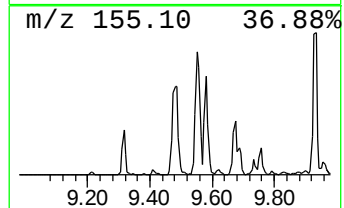
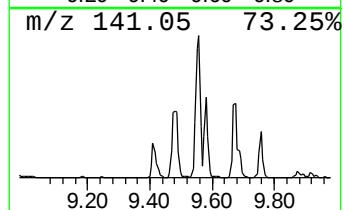
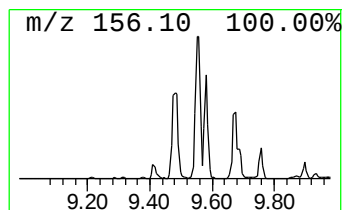
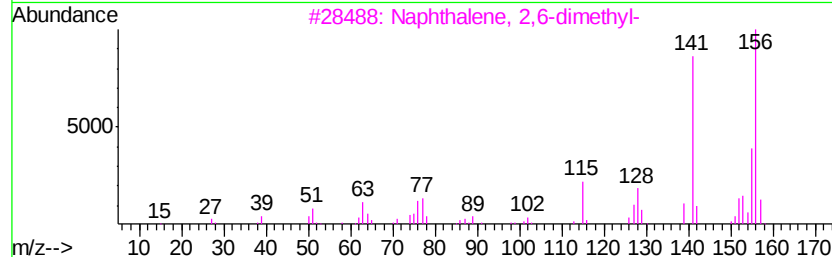
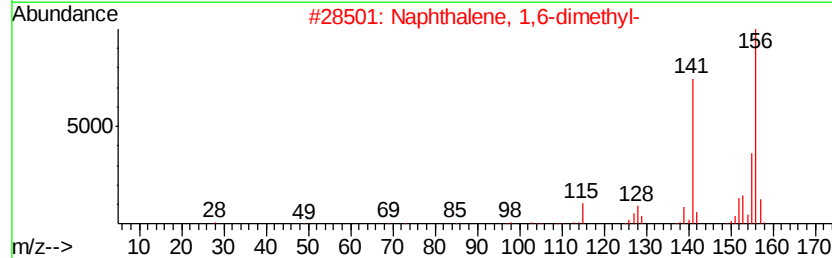
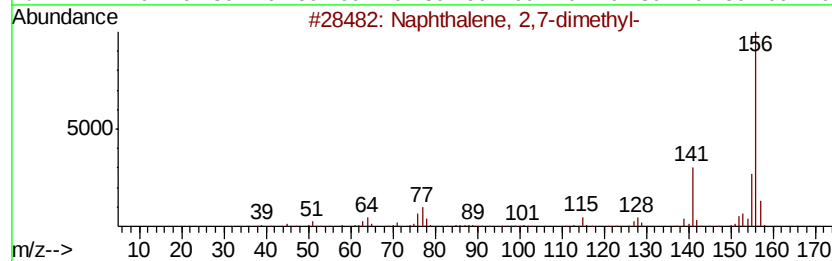
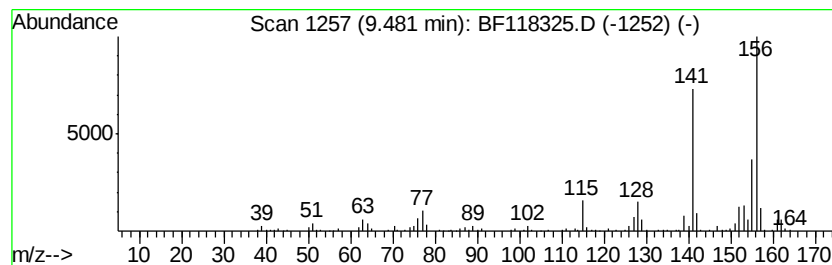
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	10.70 ng	456366	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96
4		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96



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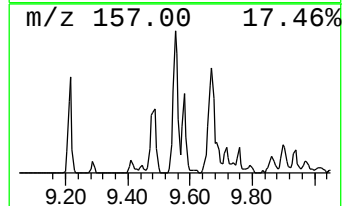
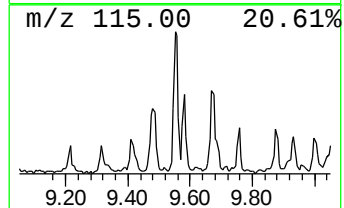
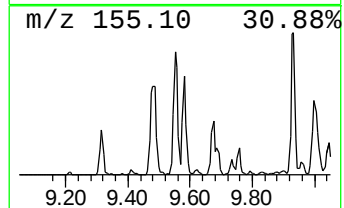
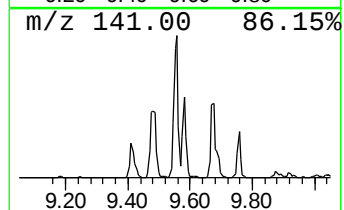
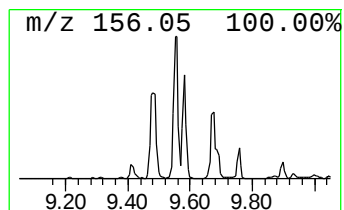
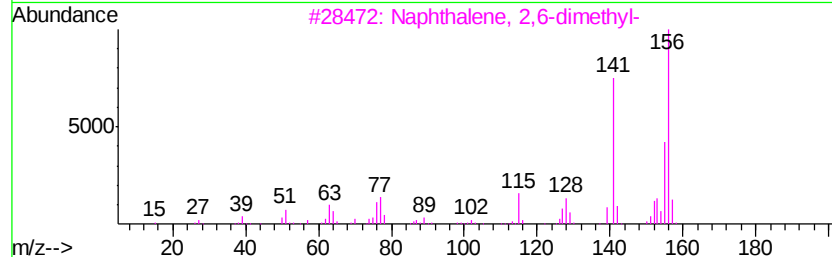
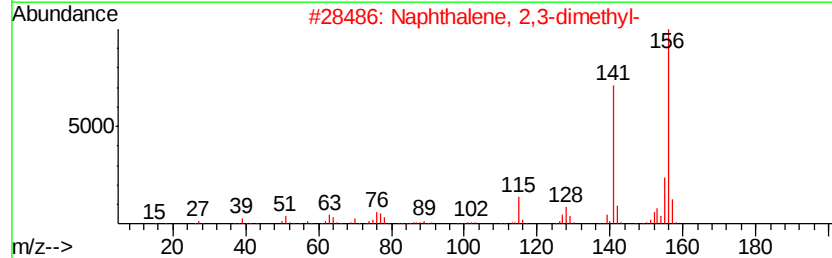
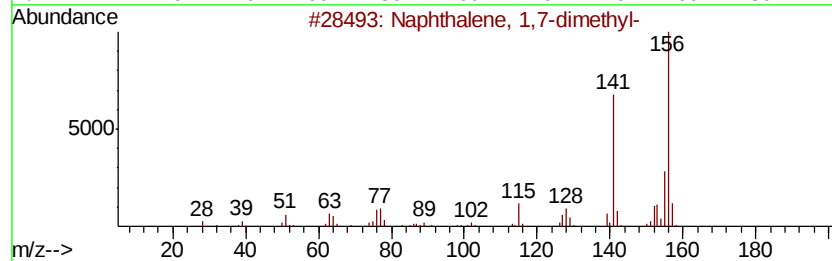
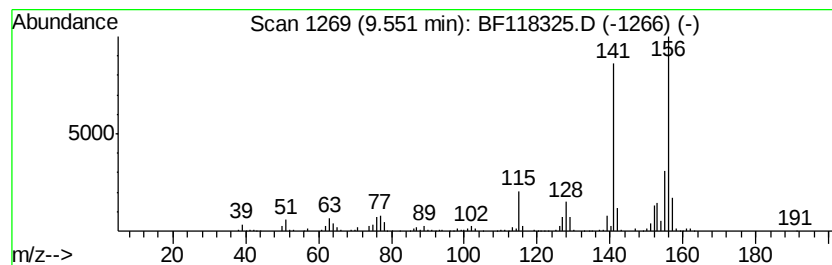
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Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	13.91 ng	593489	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

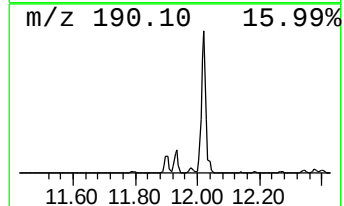
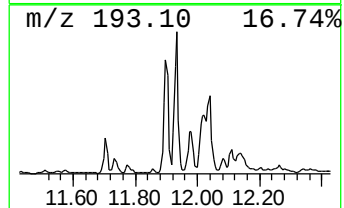
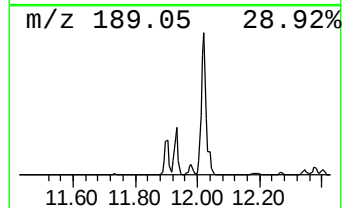
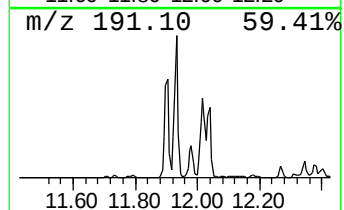
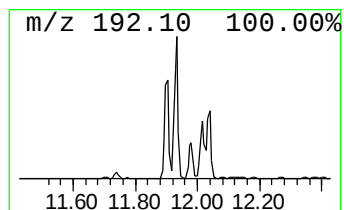
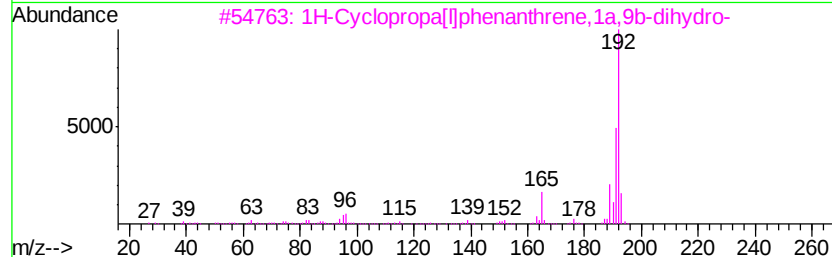
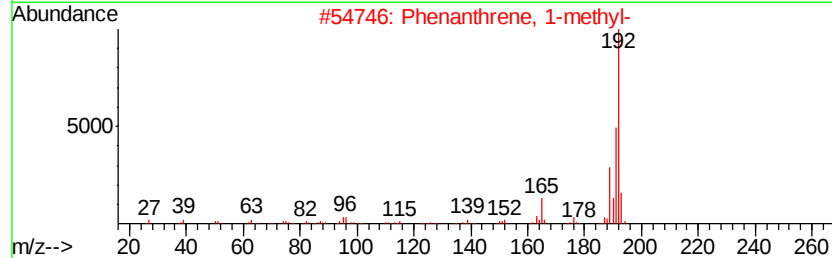
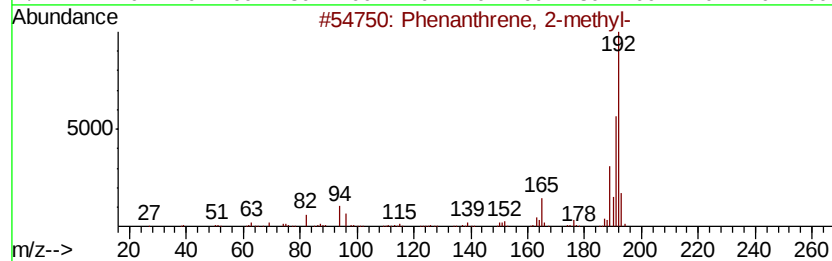
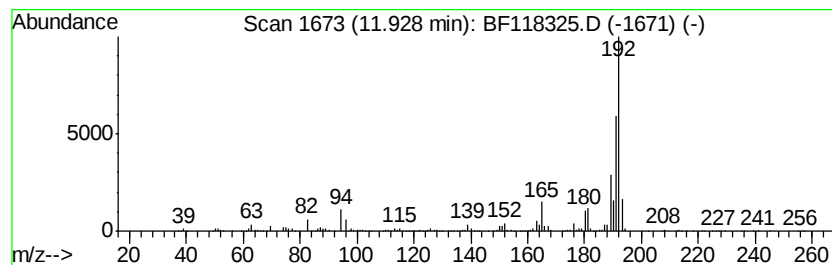
Instrument :
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ClientSampleId :
GP-2-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	3.09 ng	4238630	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-2-(3-5)

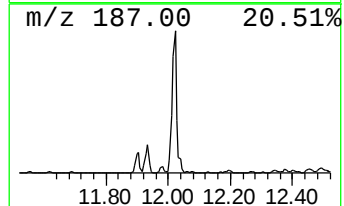
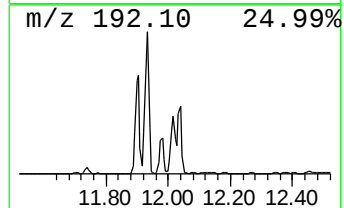
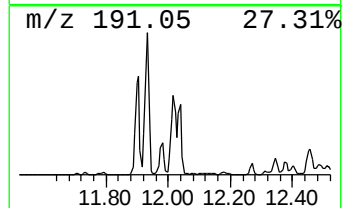
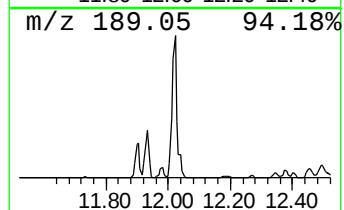
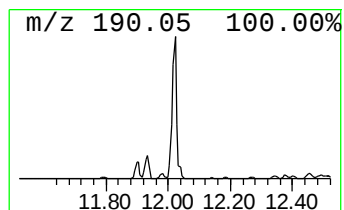
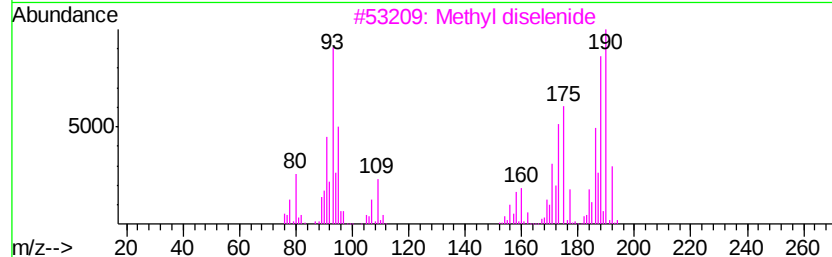
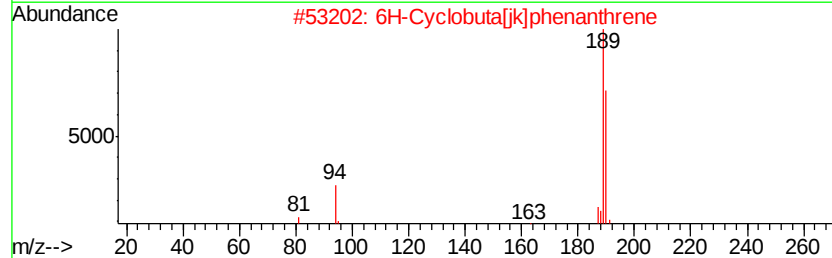
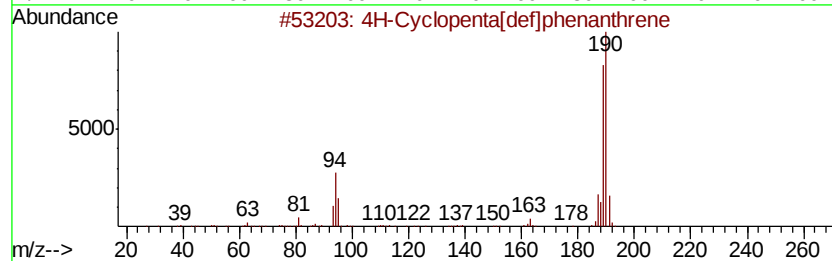
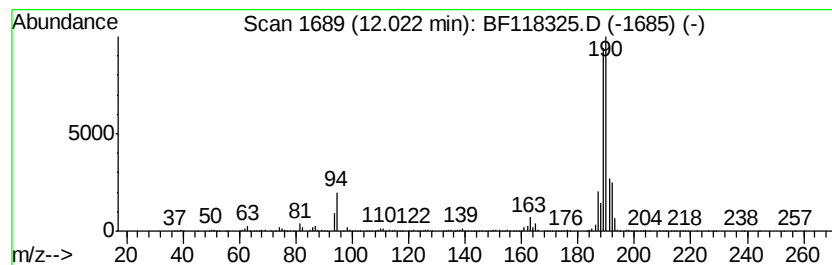
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.19 ng	5742840	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3		Methyl diselenide	190	C2H6Se2	007101-31-7	55
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
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ClientSampleId :
GP-2-(3-5)

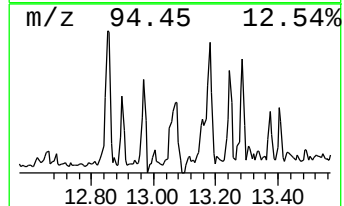
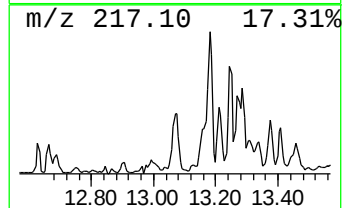
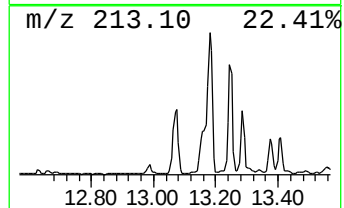
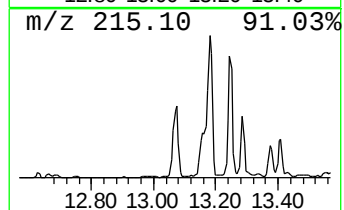
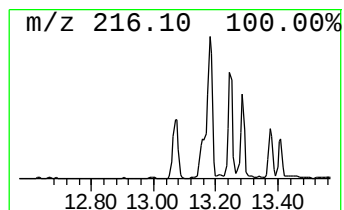
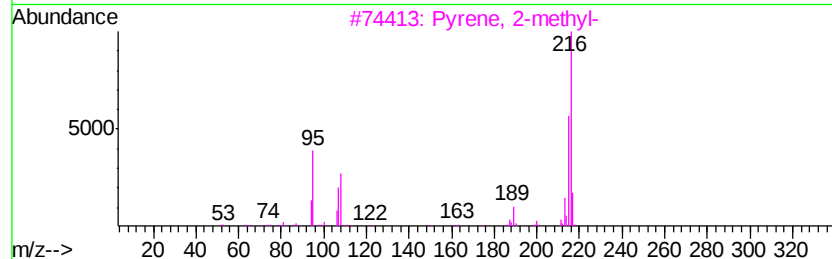
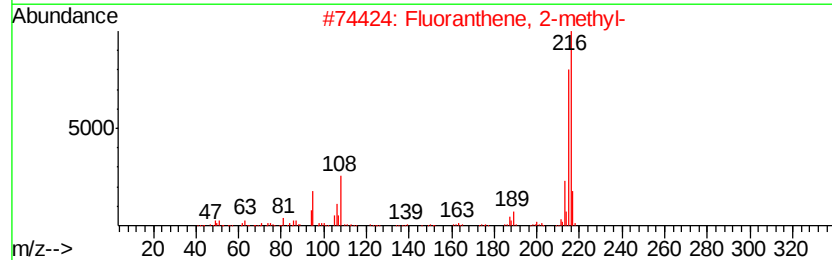
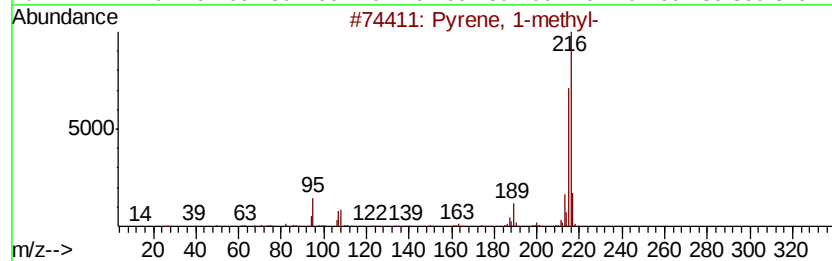
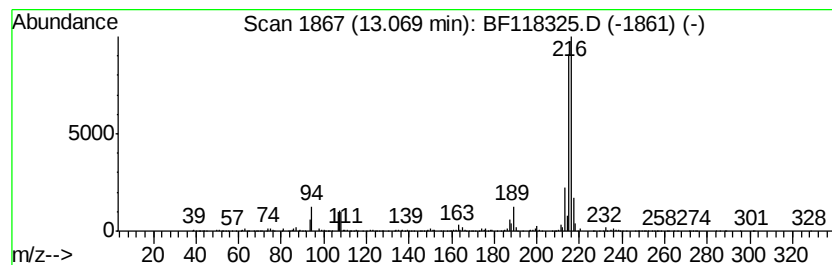
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.39 ng	2648400	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

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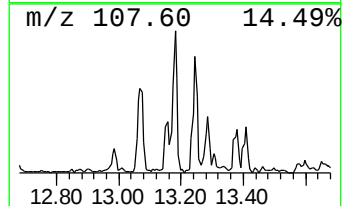
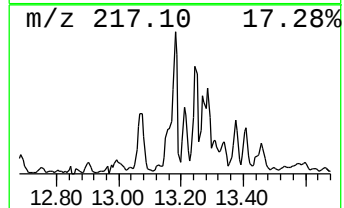
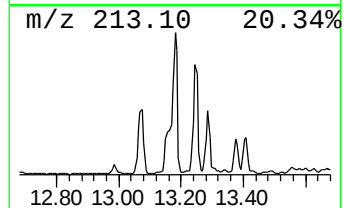
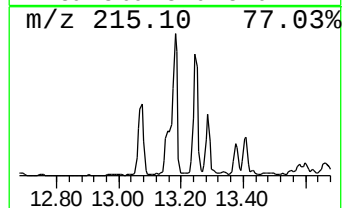
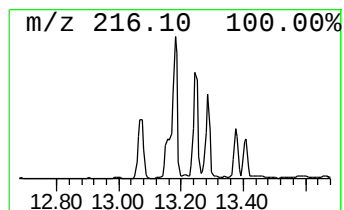
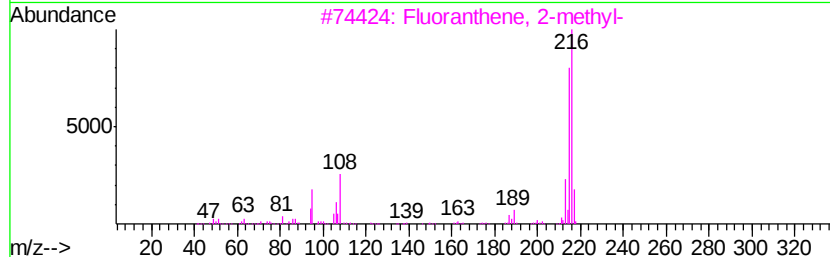
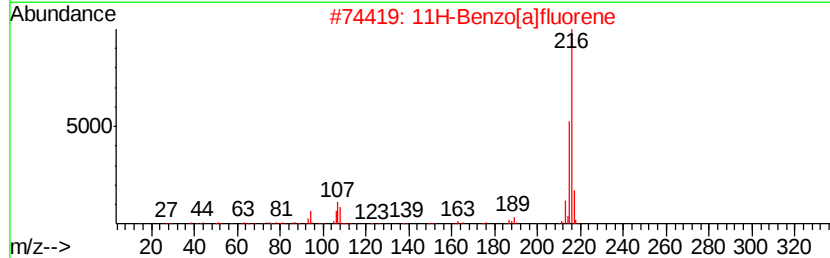
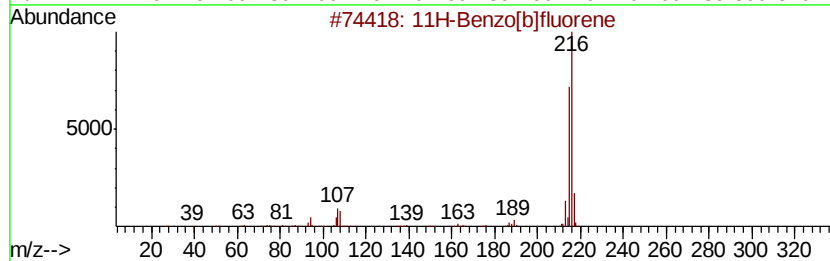
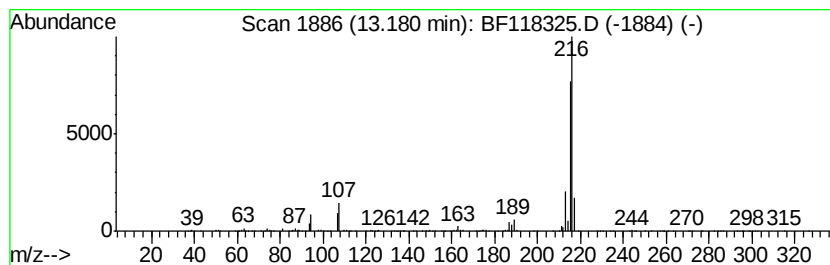
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	3.43 ng	2680750	Chrysene-d12	14.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	86
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

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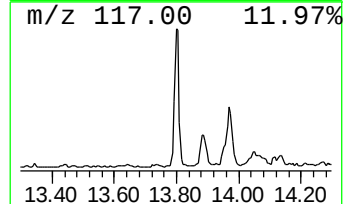
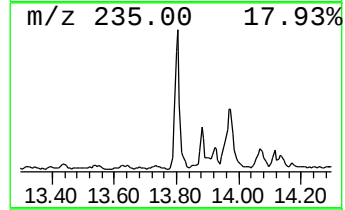
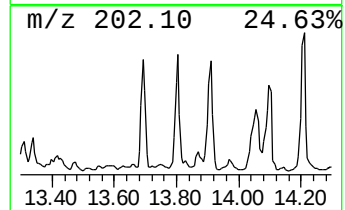
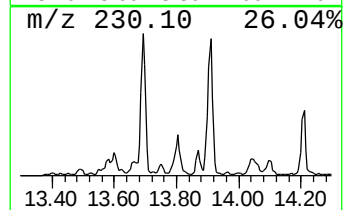
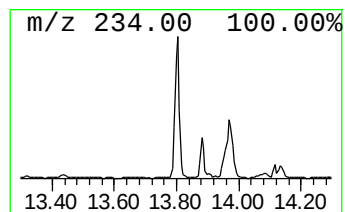
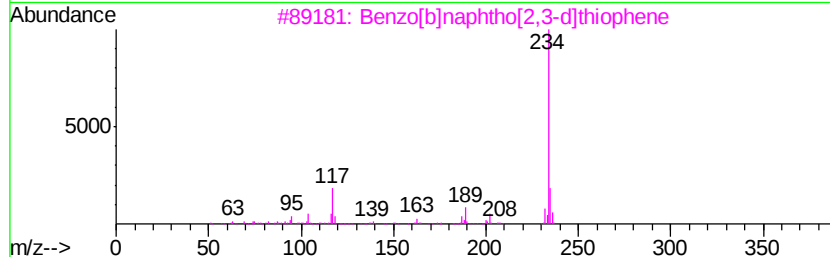
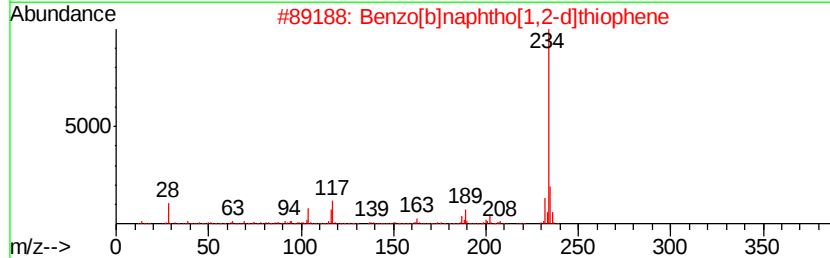
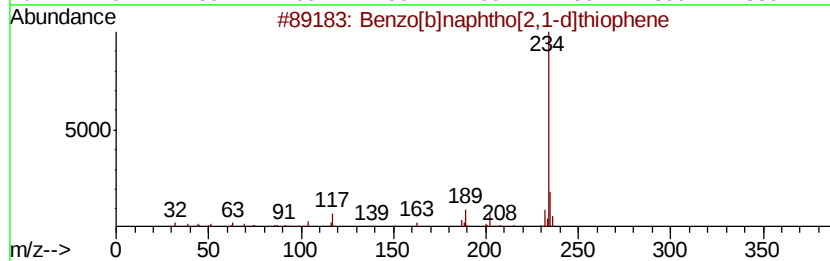
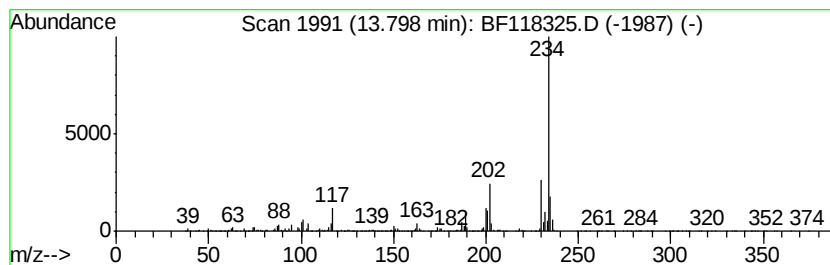
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.21 ng	2504310	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4		4H-Chromene-3-carboxylic acid et...	277	C15H19NO4	1000303-29-9	43
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
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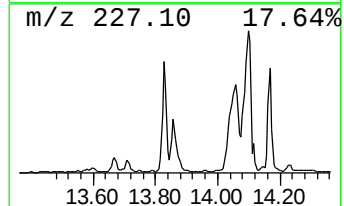
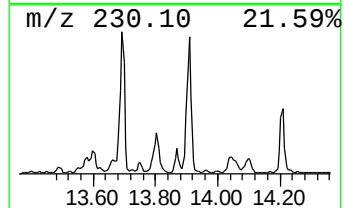
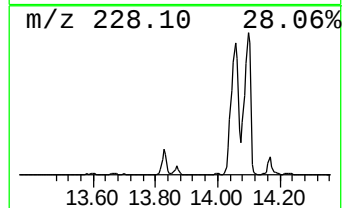
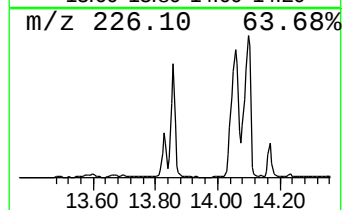
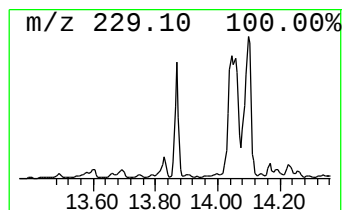
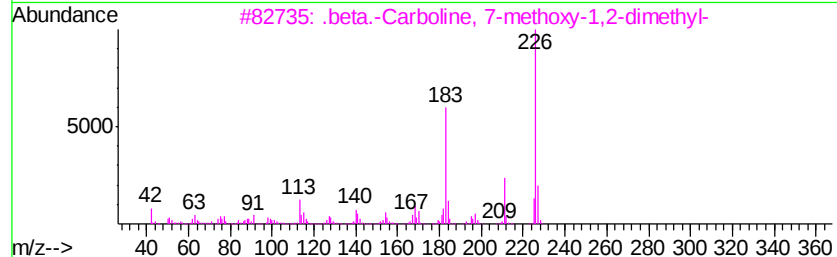
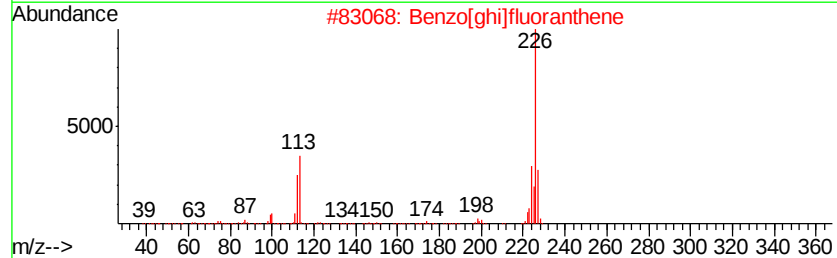
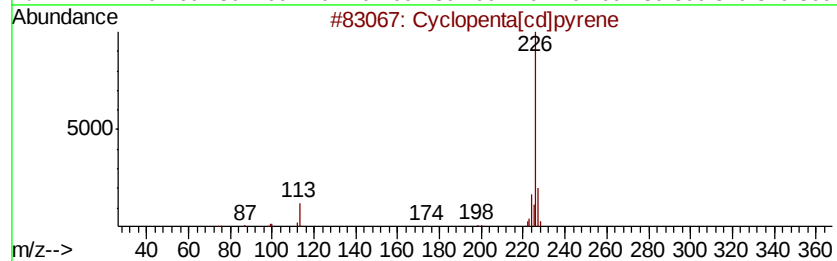
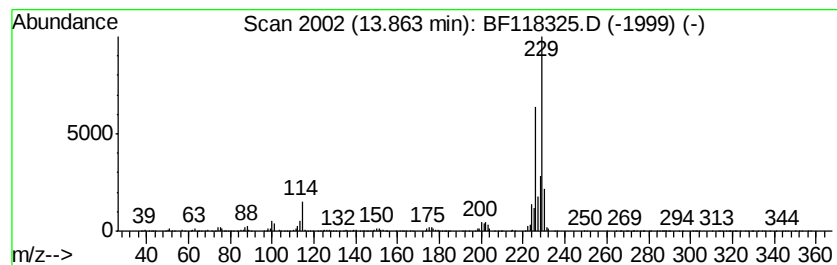
Instrument :
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ClientSampleId :
GP-2-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	4.24 ng	3310750	Chrysene-d12	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 95
2		Benzo[ghi]fluoranthene	226 C18H10	000203-12-3 94
3		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 58
4		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 50
5		Benzene, 1-bromo-2,6-dichloro-	224 C6H3BrCl2	019393-92-1 42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

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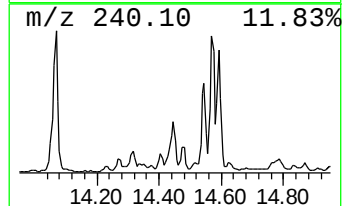
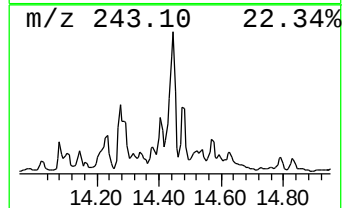
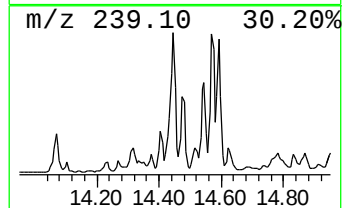
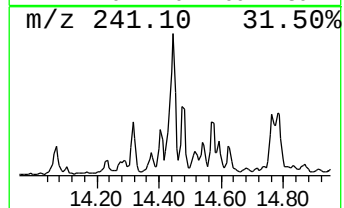
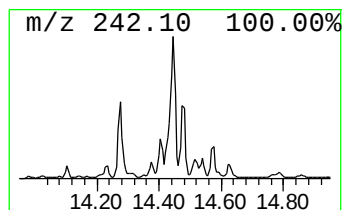
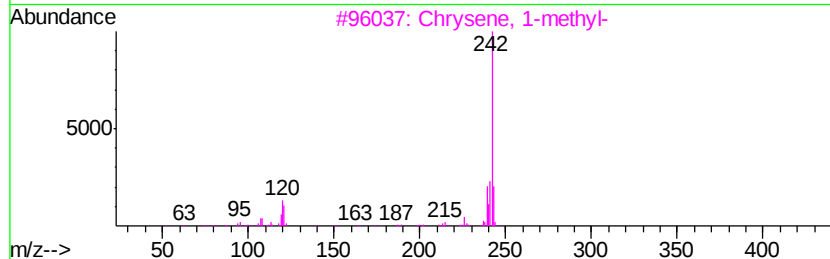
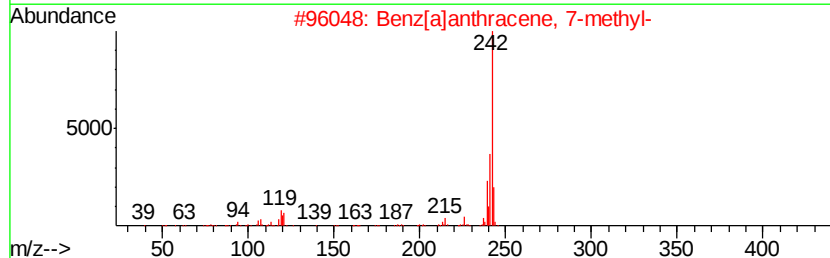
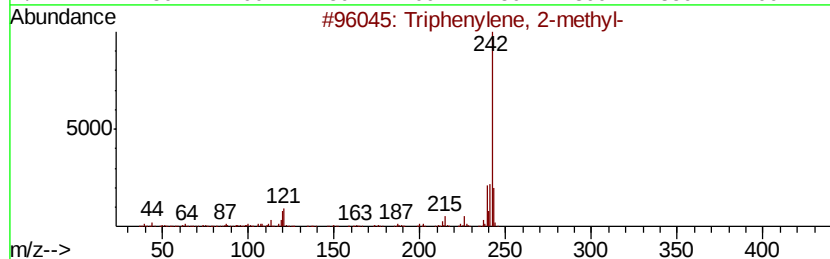
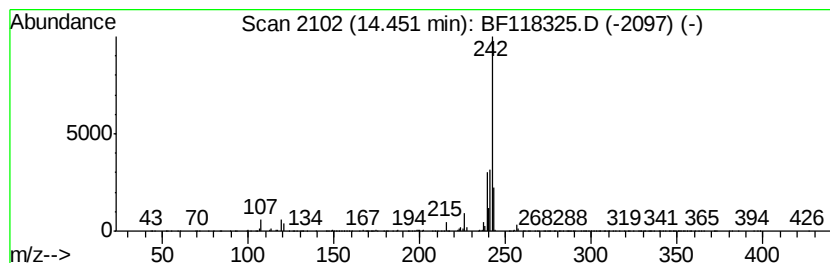
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	3.06 ng	2387250	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2		Benz[<i>a</i>]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3		Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4		Benz[<i>a</i>]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
5		2-Methylchrysene	242	C19H14	003351-32-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-2-(3-5)

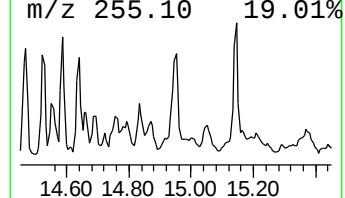
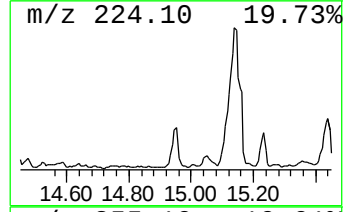
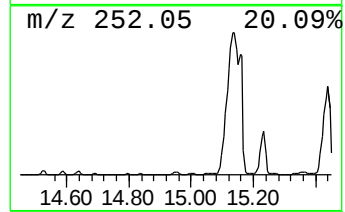
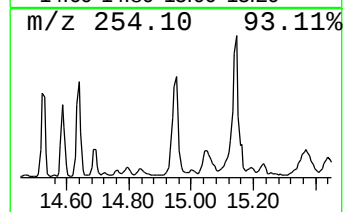
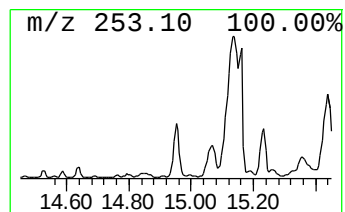
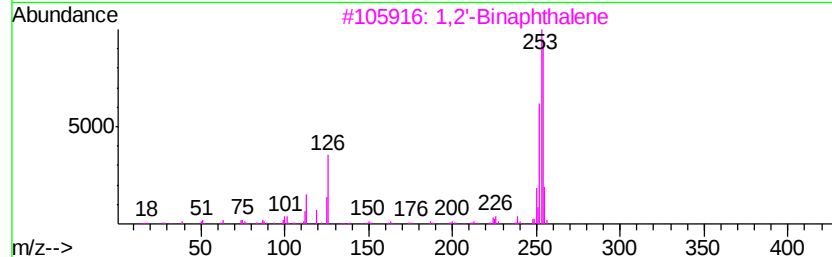
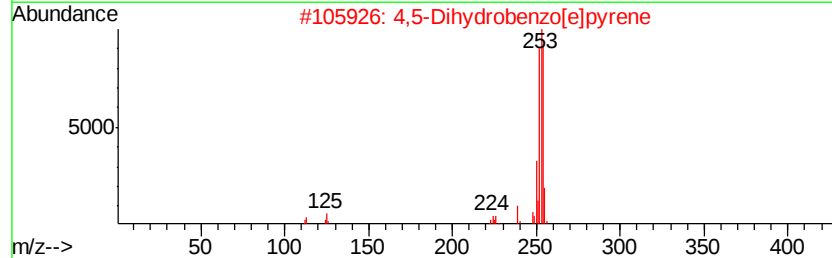
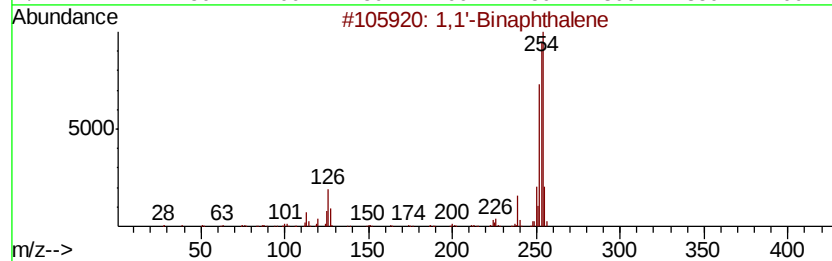
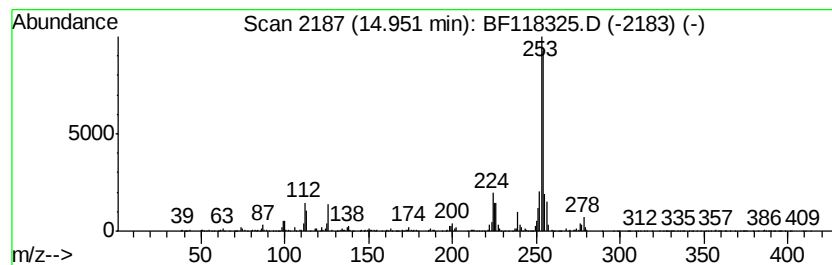
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Binaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	33.20 ng	1095290	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	64
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
5		9H-Fluorene-9-methanol, .alpha.-...	314	C22H18O2	063839-89-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

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BNA_F
ClientSampleId :
GP-2-(3-5)

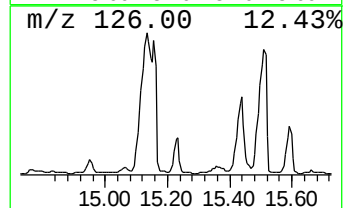
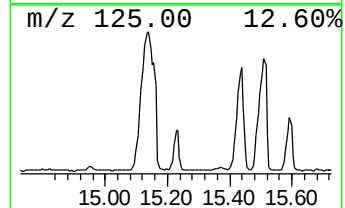
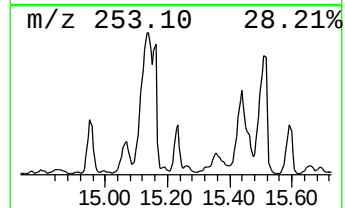
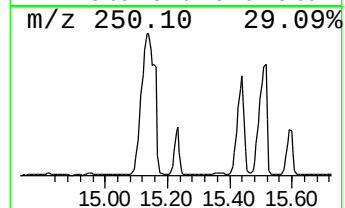
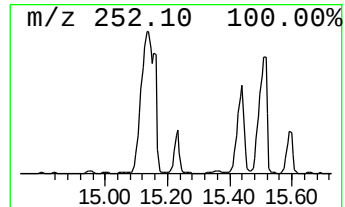
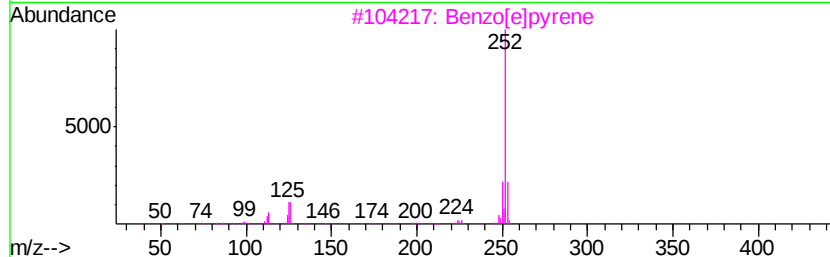
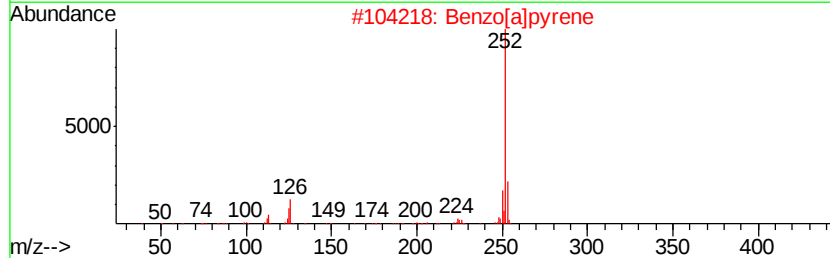
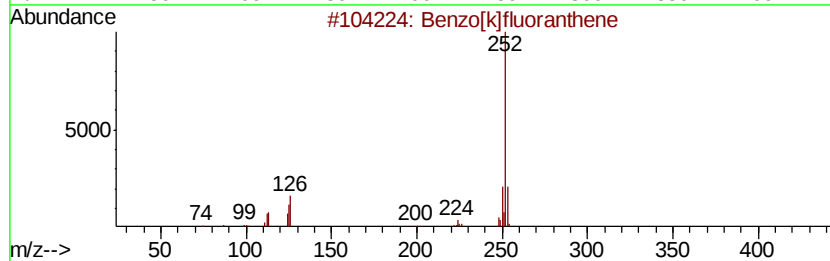
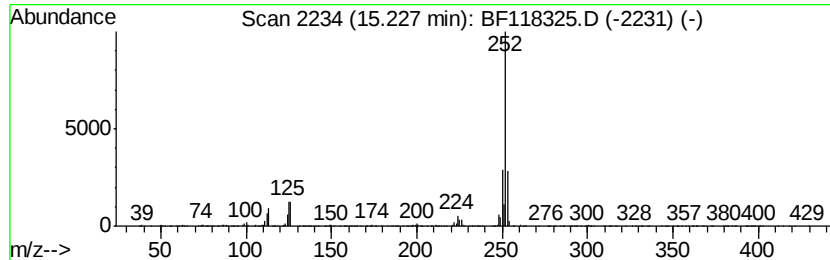
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
15.23	51.54 ng	1700560	Perylene-d12	15.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benzo[e]pyrene	252	C20H12	000192-97-2	94
4		Benz[e]lancephenanthrylene	252	C20H12	000205-99-2	91
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
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ClientSampleId :
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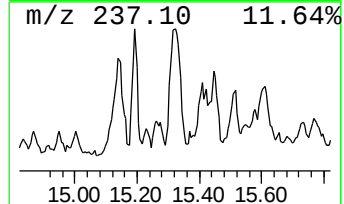
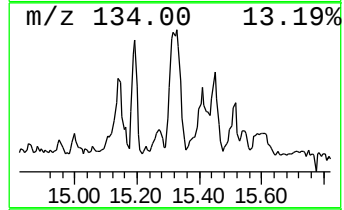
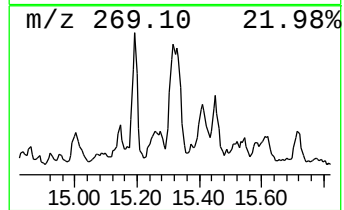
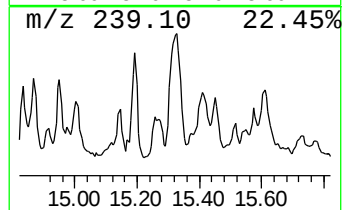
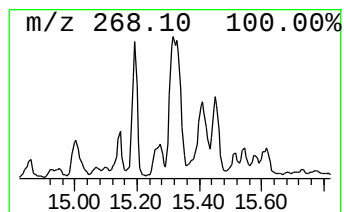
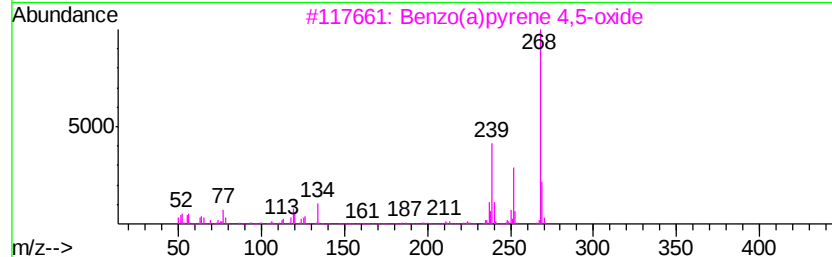
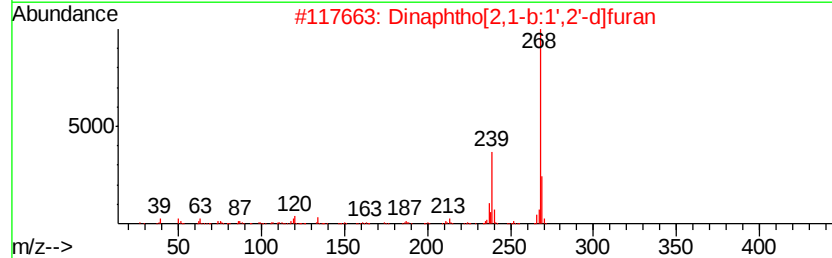
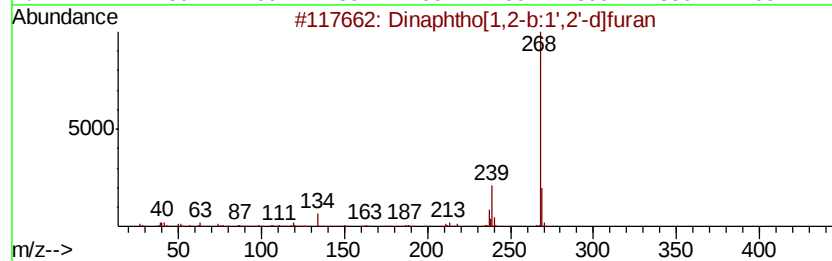
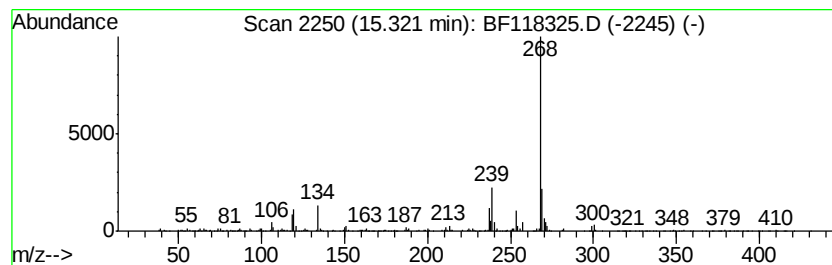
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	34.46 ng	1136750	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
4		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
5		Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
Sample : K6437-02
Misc :
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Instrument :
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ClientSampleId :
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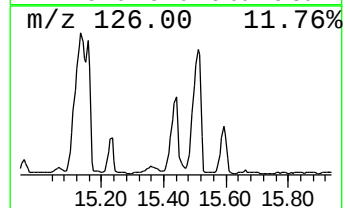
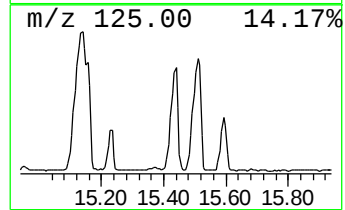
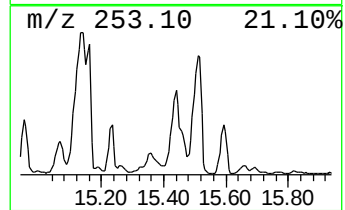
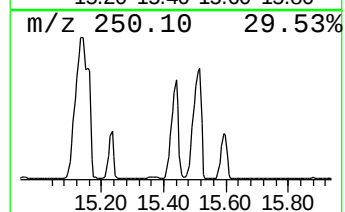
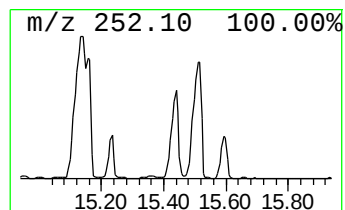
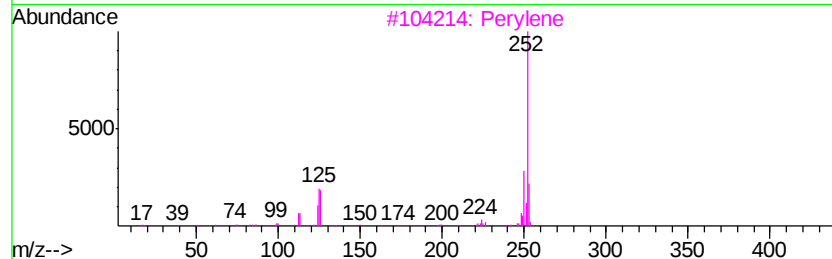
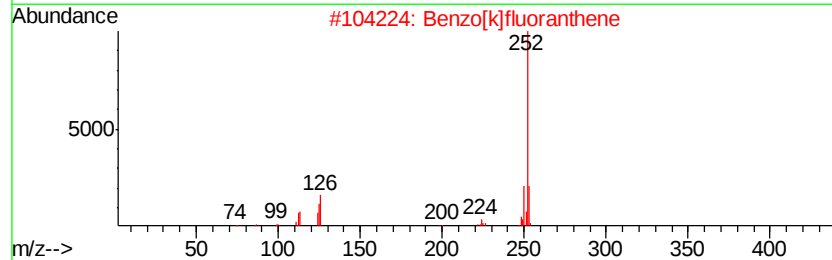
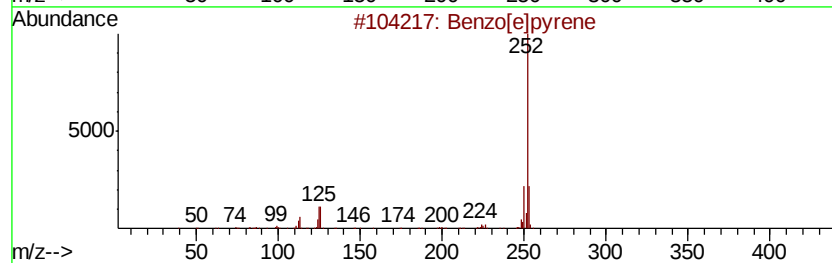
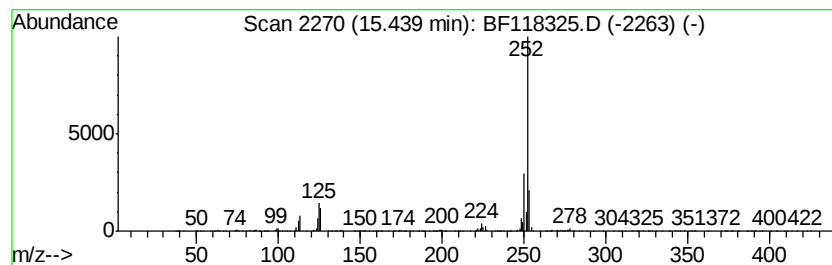
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	159.07 ng	5248000	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Perylene	252	C20H12	000198-55-0	97
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
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Misc :
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Instrument :
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ClientSampleId :
GP-2-(3-5)

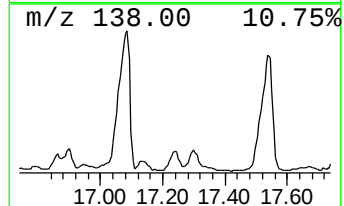
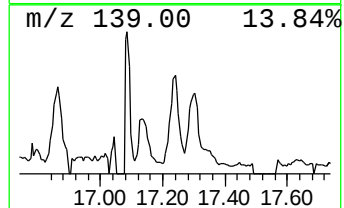
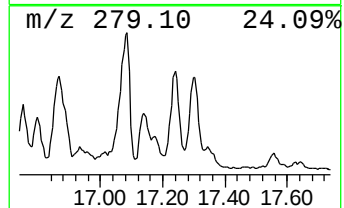
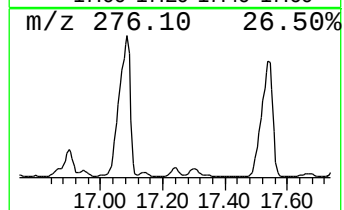
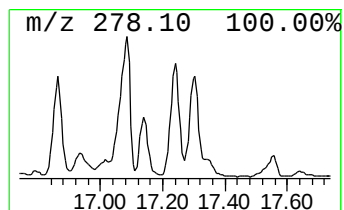
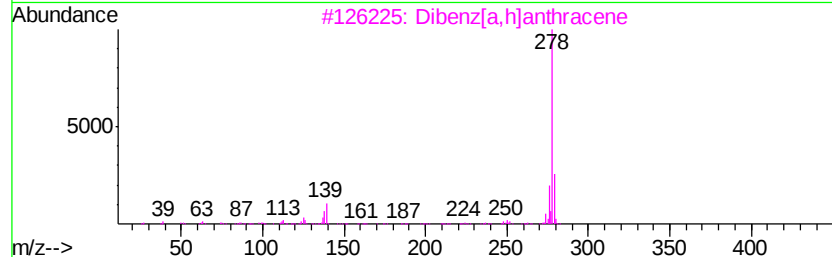
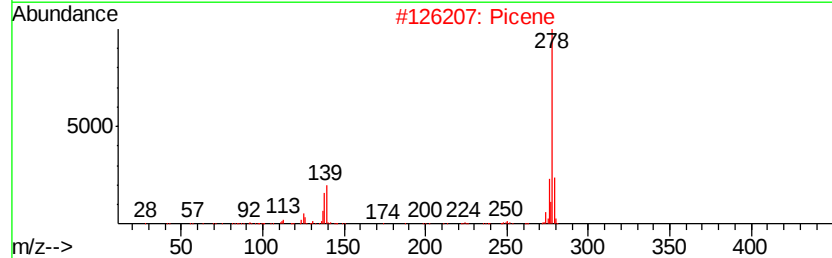
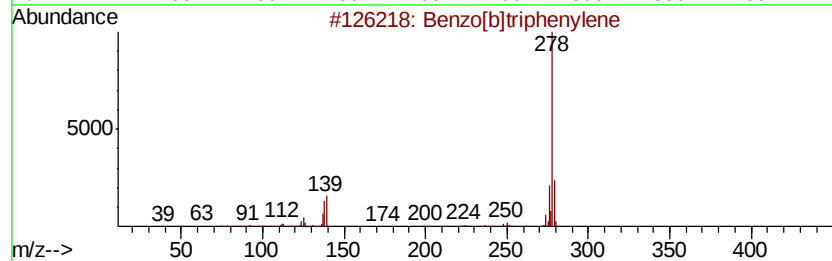
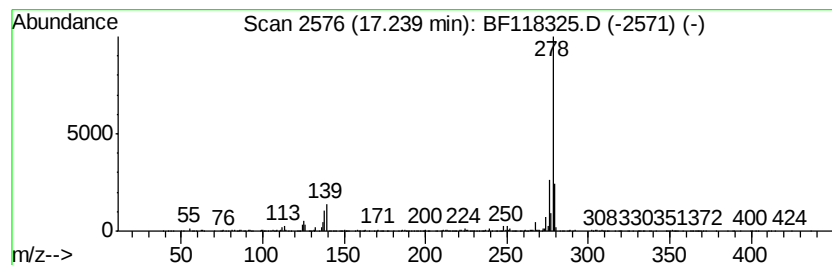
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	22.74 ng	750203	Perylene-d12	15.56

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	97
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4		Pentaphene	278	C22H14	000222-93-5	90
5		Benzo[b]chrysene	278	C22H14	000214-17-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
Acq On : 26 Dec 2019 19:19
Operator : JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
GP-2-(3-5)

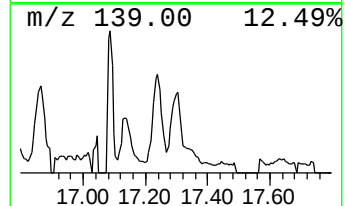
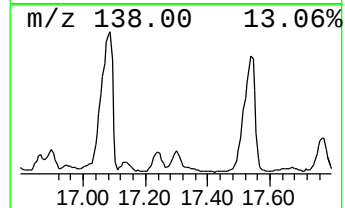
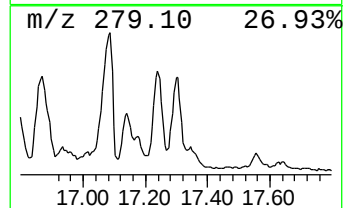
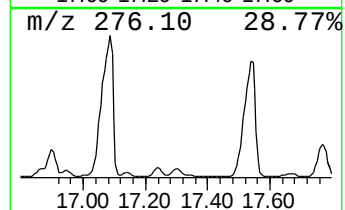
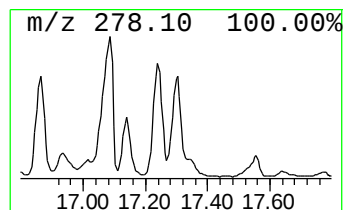
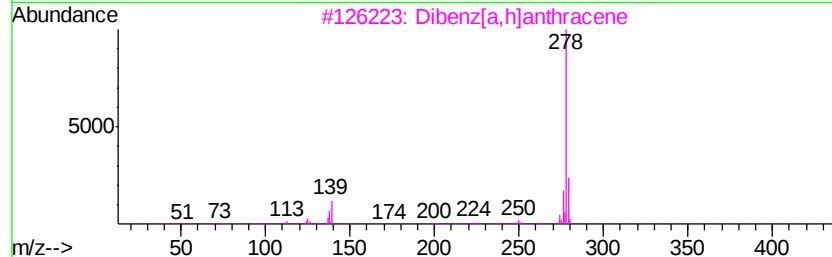
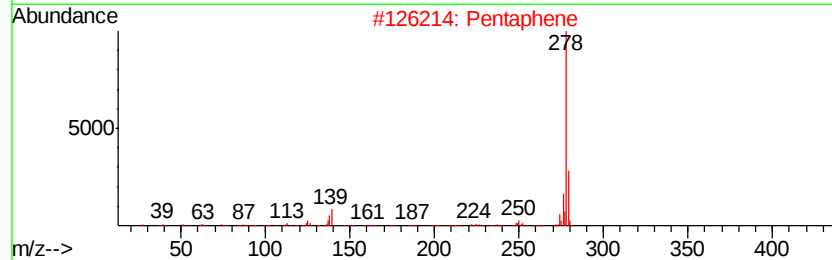
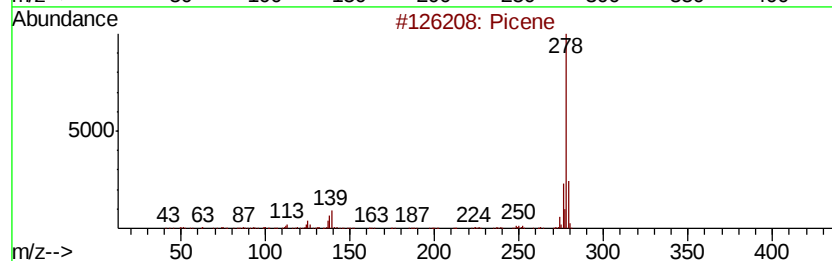
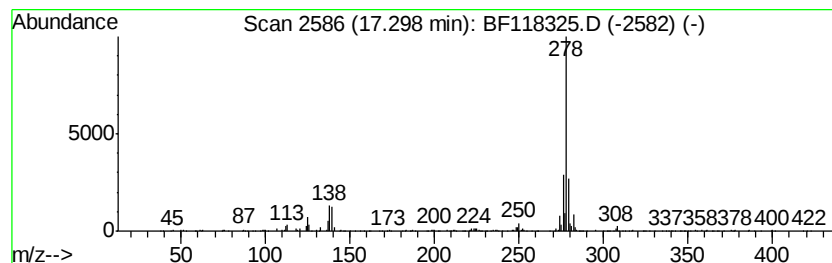
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentaphene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	17.62 ng	581482	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	98
2		Pentaphene	278	C22H14	000222-93-5	97
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	96
5		Benzo[b]chrysene	278	C22H14	000214-17-5	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122619\
 Data File : BF118325.D
 Acq On : 26 Dec 2019 19:19
 Operator : JU
 Sample : K6437-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
unknown6.62	6.62	66.5	ng	1849870	1	6.85	556235	20.0
Naphthalene, 2,7-...	9.48	10.7	ng	456366	3	9.90	853289	20.0
Naphthalene, 1,7-...	9.55	13.9	ng	593489	3	9.90	853289	20.0
Phenanthrene, 2-m...	11.93	3.1	ng	4238630	4	11.40	27418000	20.0
4H-Cyclopenta[def...	12.02	4.2	ng	5742840	4	11.40	27418000	20.0
Pyrene, 1-methyl-	13.07	3.4	ng	2648400	5	14.07	15620800	20.0
11H-Benzo[b]fluorene	13.18	3.4	ng	2680750	5	14.07	15620800	20.0
Benzo[b]naphtho[2...	13.80	3.2	ng	2504310	5	14.07	15620800	20.0
Cyclopenta[cd]pyrene	13.86	4.2	ng	3310750	5	14.07	15620800	20.0
Triphenylene, 2-m...	14.45	3.1	ng	2387250	5	14.07	15620800	20.0
1,1'-Binaphthalene	14.95	33.2	ng	1095290	6	15.56	659847	20.0
Benzo[e]pyrene	15.23	51.5	ng	1700560	6	15.56	659847	20.0
Dinaphtho[1,2-b:1...	15.32	34.5	ng	1136750	6	15.56	659847	20.0
Perylene	15.44	159.1	ng	5248000	6	15.56	659847	20.0
Picene	17.24	22.7	ng	750203	6	15.56	659847	20.0
Pentaphene	17.30	17.6	ng	581482	6	15.56	659847	20.0