

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114672.D
 Acq On : 30 May 2019 20:48
 Operator : HP/JU
 Sample : K3068-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

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-BF052919.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	5.298	541	546	549	rBV	6177824	6485999	81.32%	4.164%
2	6.328	715	721	724	rBV	6244186	6829652	85.63%	4.384%
3	6.463	739	744	747	rBV	7343291	6976543	87.47%	4.479%
4	6.692	779	783	787	rBV	2816356	2224528	27.89%	1.428%
5	6.851	806	810	813	rBV	6526682	5588178	70.06%	3.587%
6	7.251	873	878	881	rBV	4624791	4416737	55.37%	2.835%
7	7.975	996	1001	1003	rBV	3468059	3032342	38.02%	1.947%
8	7.992	1003	1004	1007	rVB	614130	383794	4.81%	0.246%
9	8.681	1117	1121	1124	rBV	274468	223690	2.80%	0.144%
10	8.781	1134	1138	1142	rVB	189016	151355	1.90%	0.097%
11	9.051	1179	1184	1187	rBV	8551333	7976150	100.00%	5.120%
12	9.304	1221	1227	1232	rBV	89642	128051	1.61%	0.082%
13	9.380	1235	1240	1242	rBV	156916	151873	1.90%	0.097%
14	9.439	1247	1250	1253	rBV	716813	540835	6.78%	0.347%
15	9.580	1269	1274	1277	rVB	143628	136303	1.71%	0.087%
16	9.722	1292	1298	1301	rBV	3690664	3534366	44.31%	2.269%
17	9.751	1301	1303	1306	rVB	840315	632477	7.93%	0.406%
18	9.922	1328	1332	1336	rVB	679012	576332	7.23%	0.370%
19	10.263	1386	1390	1393	rVB	732213	656834	8.23%	0.422%
20	10.422	1414	1417	1422	rVB	258444	244875	3.07%	0.157%
21	10.498	1426	1430	1435	rVV2	4569260	4413313	55.33%	2.833%
22	10.622	1447	1451	1456	rVB4	127552	166783	2.09%	0.107%
23	10.804	1475	1482	1485	rBV4	173823	318114	3.99%	0.204%
24	10.939	1500	1505	1506	rBV2	147855	191597	2.40%	0.123%
25	10.957	1506	1508	1510	rVV2	154708	130250	1.63%	0.084%
26	10.998	1510	1515	1520	rVB	443283	494660	6.20%	0.318%
27	11.051	1520	1524	1527	rBV2	232186	340326	4.27%	0.218%
28	11.086	1527	1530	1534	rVB	541396	447354	5.61%	0.287%
29	11.192	1544	1548	1550	rBV	3829625	3624263	45.44%	2.327%
30	11.222	1550	1553	1556	rVV	7077231	6178671	77.46%	3.966%
31	11.269	1556	1561	1563	rVV	1965742	1848252	23.17%	1.186%
32	11.298	1563	1566	1570	rVB	292637	287048	3.60%	0.184%
33	11.416	1580	1586	1589	rBV2	1146251	1169156	14.66%	0.751%
34	11.522	1601	1604	1607	rVB3	169300	157629	1.98%	0.101%

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Instrument :
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 B-3SE(4-5)

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-BF052919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.563	1608	1611	1616	rVV4	198967	217776	2.73%	0.140%
36	11.692	1627	1633	1635	rBV	1014201	948382	11.89%	0.609%
37	11.722	1635	1638	1640	rVV	1946468	2286970	28.67%	1.468%
38	11.751	1640	1643	1649	rVV2	4505543	5592838	70.12%	3.590%
39	11.804	1649	1652	1654	rVV	1552062	1704235	21.37%	1.094%
40	11.822	1654	1655	1659	rVV	715911	623782	7.82%	0.400%
41	11.863	1660	1662	1664	rVV2	146576	140026	1.76%	0.090%
42	11.892	1664	1667	1669	rVB	140102	127336	1.60%	0.082%
43	11.986	1680	1683	1685	rBV	751061	750197	9.41%	0.482%
44	12.004	1685	1686	1690	rVB	773636	448921	5.63%	0.288%
45	12.133	1703	1708	1711	rBV3	262191	334945	4.20%	0.215%
46	12.192	1715	1718	1721	rVB2	215595	189353	2.37%	0.122%
47	12.239	1722	1726	1729	rBV	476886	576304	7.23%	0.370%
48	12.274	1729	1732	1734	rBV	233210	235679	2.95%	0.151%
49	12.298	1734	1736	1738	rVV3	250457	196485	2.46%	0.126%
50	12.316	1738	1739	1746	rVB3	370112	496026	6.22%	0.318%
51	12.404	1749	1754	1756	rBV	6548935	6440251	80.74%	4.134%
52	12.445	1756	1761	1767	rVV5	307901	542951	6.81%	0.349%
53	12.533	1769	1776	1784	rVV2	5274704	7563477	94.83%	4.855%
54	12.627	1786	1792	1794	rVV2	5562308	6523713	81.79%	4.188%
55	12.657	1794	1797	1807	rVB2	2881470	3225741	40.44%	2.071%
56	12.745	1809	1812	1814	rBV	506935	435433	5.46%	0.280%
57	12.780	1814	1818	1821	rVB	7376017	7396633	92.73%	4.748%
58	12.845	1823	1829	1832	rBV3	479754	838691	10.51%	0.538%
59	12.927	1840	1843	1845	rBV2	295760	338833	4.25%	0.218%
60	12.951	1845	1847	1850	rVB	1048940	842791	10.57%	0.541%
61	12.986	1850	1853	1855	rBV2	100706	146128	1.83%	0.094%
62	13.016	1855	1858	1861	rBV	554866	513010	6.43%	0.329%
63	13.051	1861	1864	1867	rBV	755508	732672	9.19%	0.470%
64	13.080	1867	1869	1872	rVB2	209461	210553	2.64%	0.135%
65	13.110	1872	1874	1877	rBV	184662	198604	2.49%	0.127%
66	13.145	1877	1880	1883	rVB	368143	299756	3.76%	0.192%
67	13.174	1883	1885	1894	rBV2	414784	575331	7.21%	0.369%
68	13.251	1894	1898	1902	rBV3	220906	283646	3.56%	0.182%
69	13.351	1908	1915	1917	rBV4	316800	590339	7.40%	0.379%
70	13.451	1928	1932	1937	rBV	603216	668677	8.38%	0.429%
71	13.563	1947	1951	1954	rBV3	527675	714488	8.96%	0.459%

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 ClientSampleId :
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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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72	13.592	1954	1956	1958	rVV	608449	481011	6.03%	0.309%
73	13.616	1958	1960	1964	rVV2	402777	628399	7.88%	0.403%
74	13.657	1964	1967	1969	rVV2	596288	539858	6.77%	0.347%
75	13.686	1969	1972	1978	rVB2	597764	756981	9.49%	0.486%
76	13.816	1986	1994	1996	rBV4	4398219	6905321	86.57%	4.433%
77	13.839	1996	1998	2001	rVB	2744422	2337371	29.30%	1.500%
78	13.916	2009	2011	2014	rVB	315631	249723	3.13%	0.160%
79	13.998	2022	2025	2028	rBV2	320949	334557	4.19%	0.215%
80	14.033	2028	2031	2035	rVV2	333892	372380	4.67%	0.239%
81	14.163	2051	2053	2055	rBV	222191	206999	2.60%	0.133%
82	14.198	2055	2059	2062	rBV	688150	731662	9.17%	0.470%
83	14.233	2062	2065	2069	rBV2	419197	695480	8.72%	0.446%
84	14.315	2077	2079	2082	rVB3	373674	352859	4.42%	0.227%
85	14.492	2106	2109	2112	rBV2	231918	248102	3.11%	0.159%
86	14.604	2126	2128	2132	rVB	351991	350388	4.39%	0.225%
87	14.645	2133	2135	2137	rBV	149322	153572	1.93%	0.099%
88	14.674	2137	2140	2146	rVB2	409474	495047	6.21%	0.318%
89	14.733	2147	2150	2152	rBV2	194824	228836	2.87%	0.147%
90	14.815	2159	2164	2167	rBV	2343957	3724350	46.69%	2.391%
91	14.915	2178	2181	2184	rBV2	709240	735004	9.22%	0.472%
92	15.086	2206	2210	2216	rVB	1322613	1681992	21.09%	1.080%
93	15.145	2216	2220	2225	rBV	2130603	2359399	29.58%	1.515%
94	15.204	2225	2230	2233	rBV	2400856	2778752	34.84%	1.784%
95	15.227	2233	2234	2237	rVB	446846	339807	4.26%	0.218%
96	15.662	2305	2308	2312	rVB	230853	290999	3.65%	0.187%
97	15.710	2313	2316	2320	rBV2	146218	178598	2.24%	0.115%
98	16.121	2383	2386	2391	rBV4	169327	250716	3.14%	0.161%
99	16.515	2448	2453	2461	rVB2	831164	1563437	19.60%	1.004%
100	16.909	2515	2520	2535	rVB	599041	1195927	14.99%	0.768%

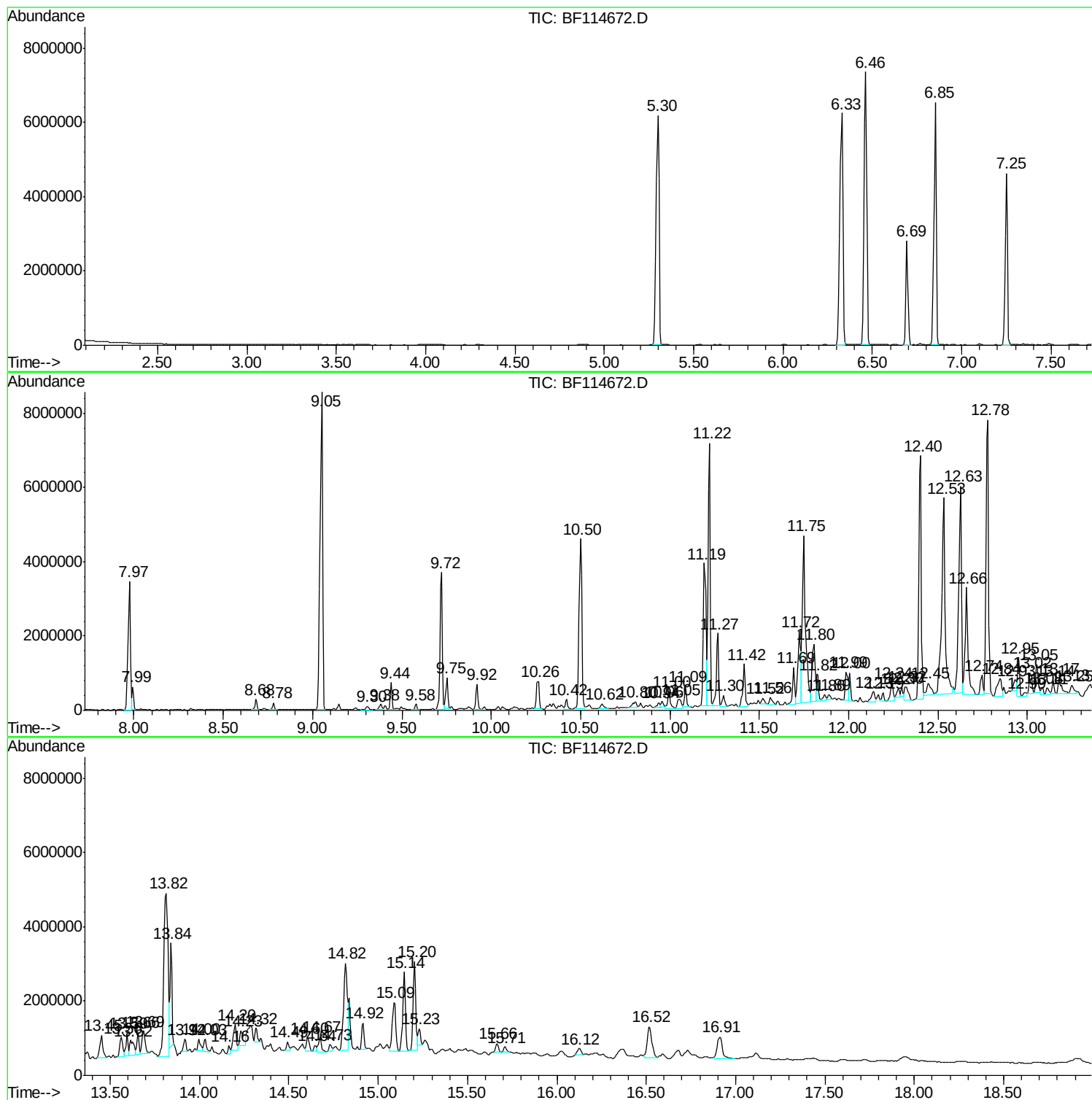
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Instrument :
BNA_F
ClientSampled :
B-3SE(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.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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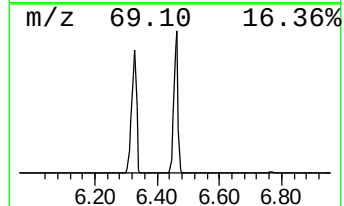
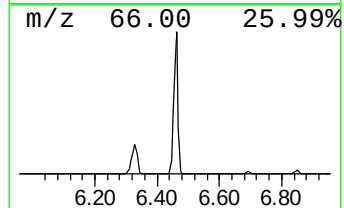
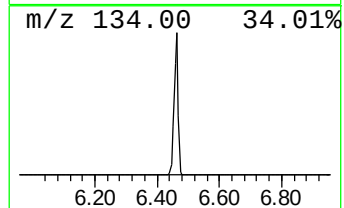
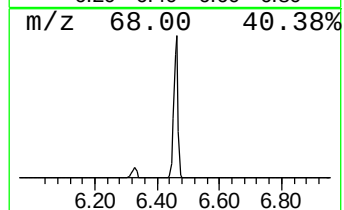
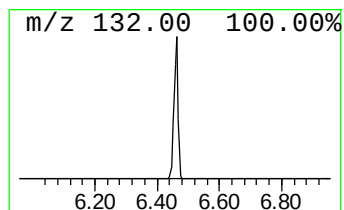
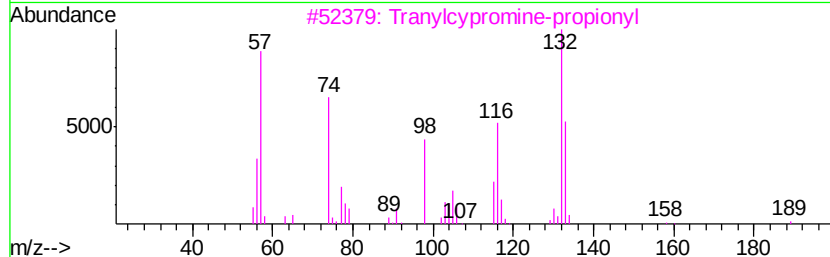
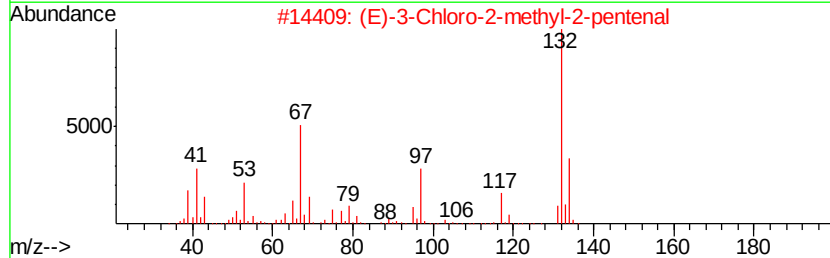
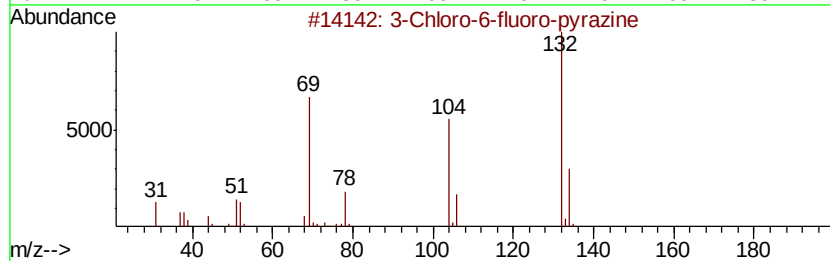
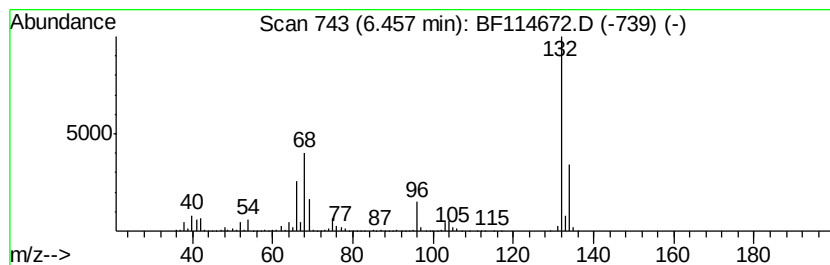
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	62.72 ng	6976540	1,4-Dichlorobenzene-d4	6.69

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	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	16
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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ALS Vial : 5 Sample Multiplier: 1

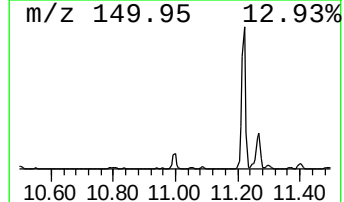
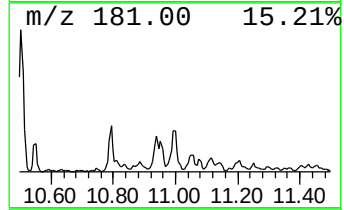
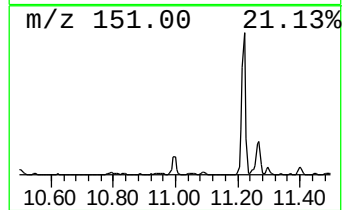
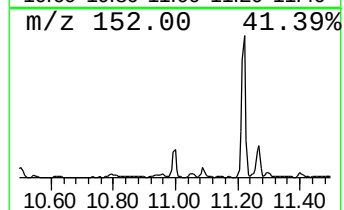
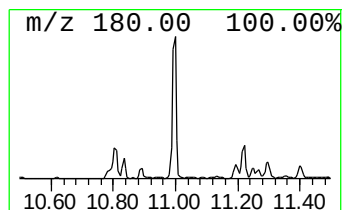
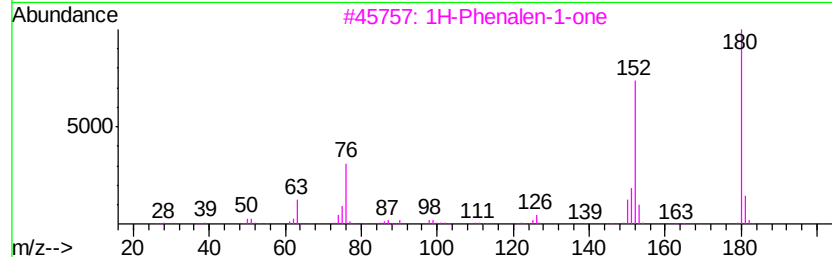
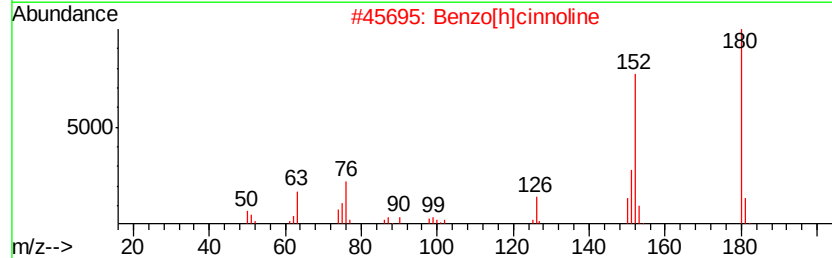
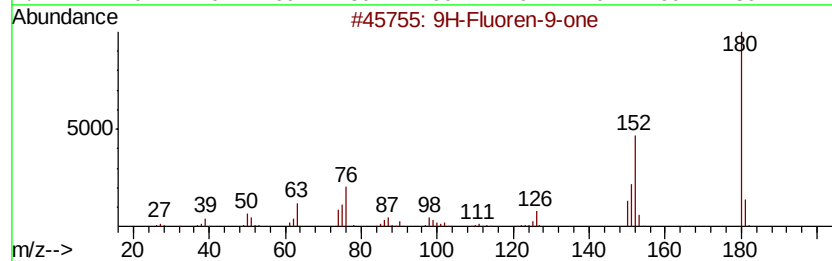
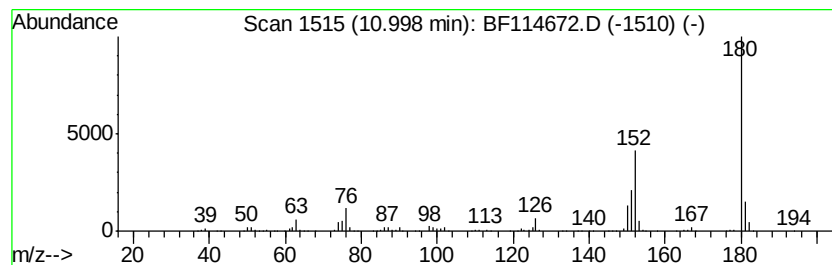
Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

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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 4 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.00	2.73 ng	494660	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45



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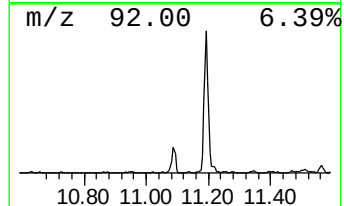
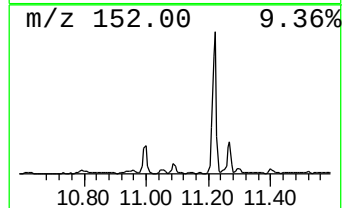
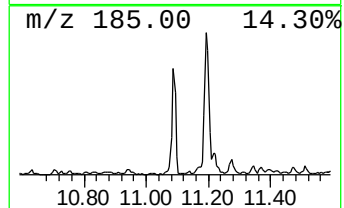
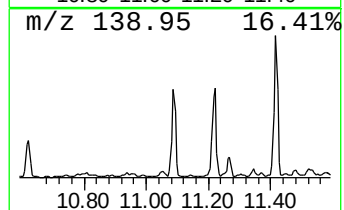
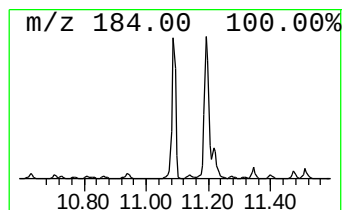
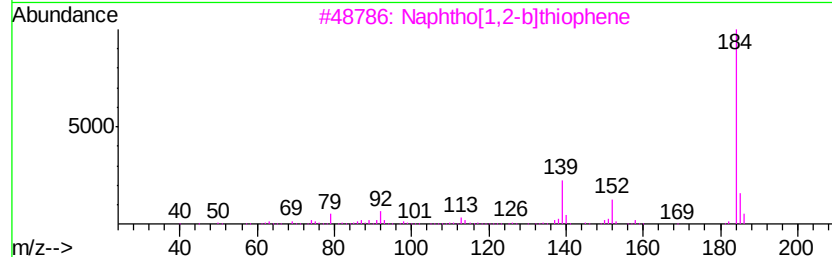
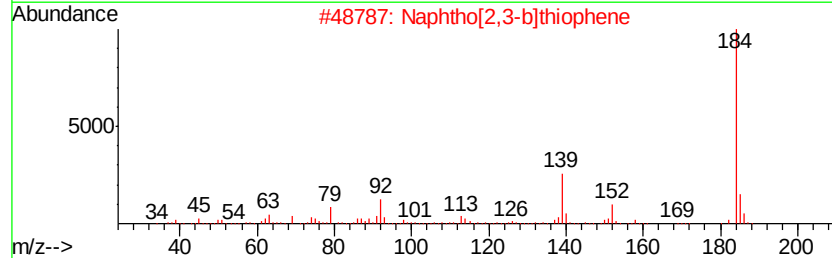
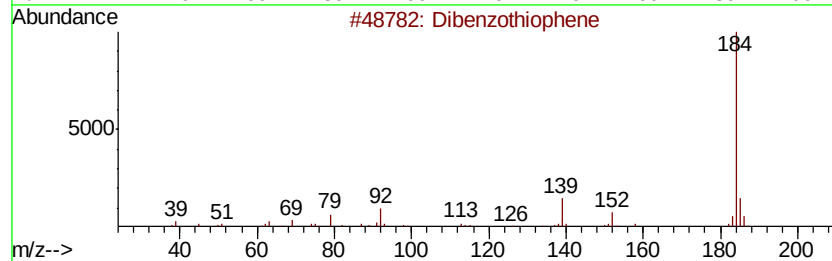
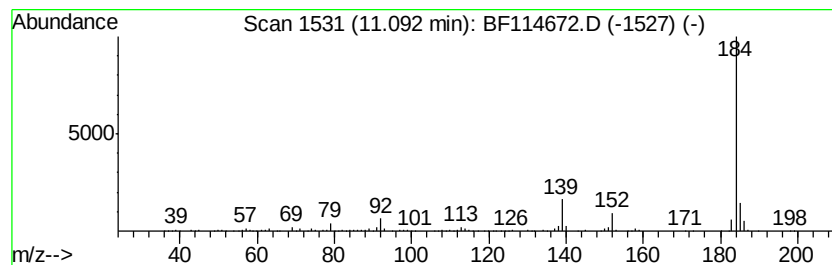
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	2.47 ng	447354	Phenanthrene-d10	11.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



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Operator : HP/JU
Sample : K3068-05
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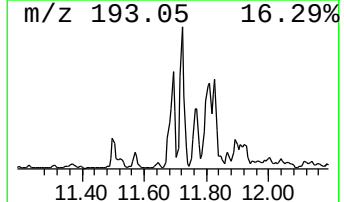
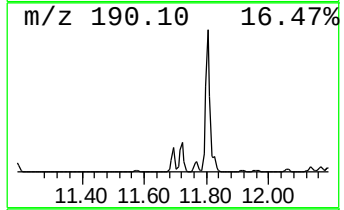
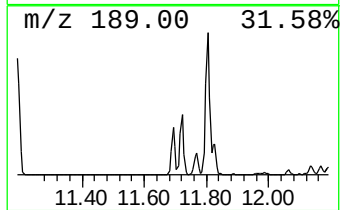
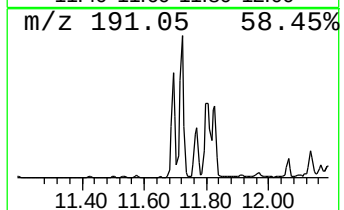
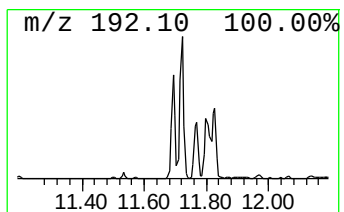
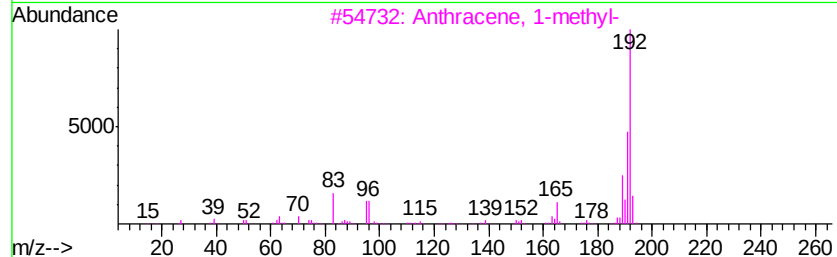
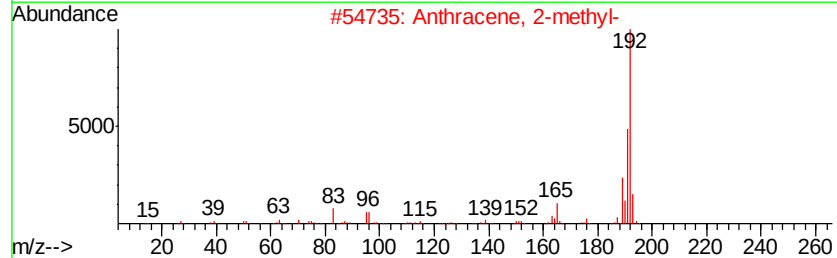
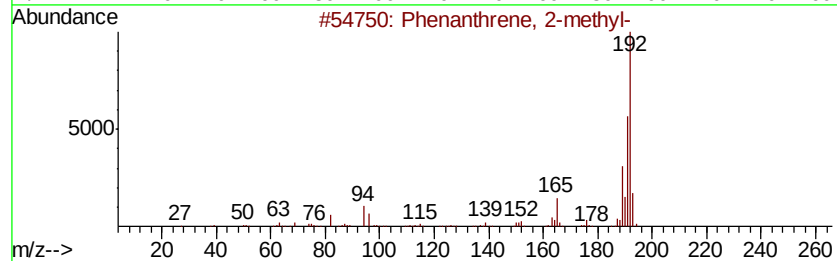
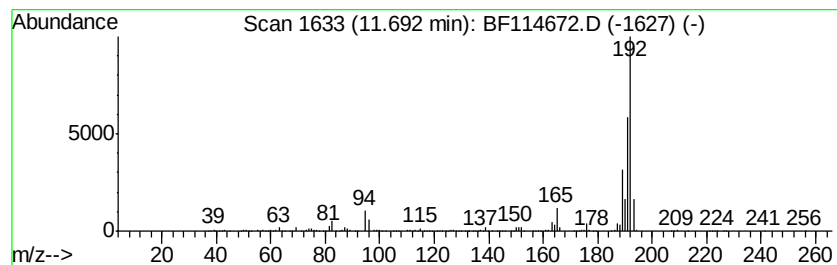
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ClientSampleId :
B-3SE(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.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 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.69	5.23 ng	948382	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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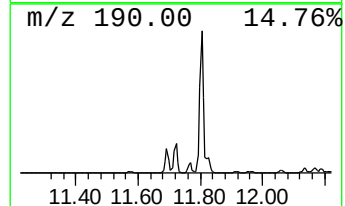
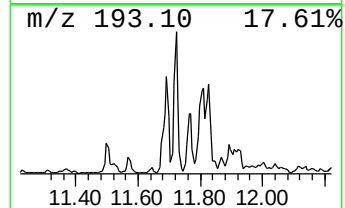
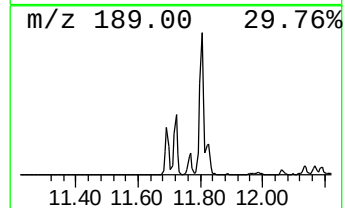
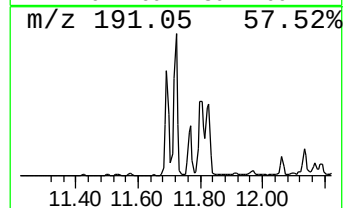
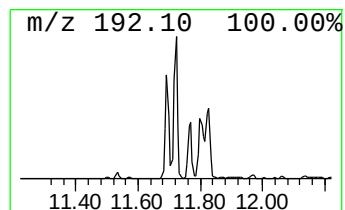
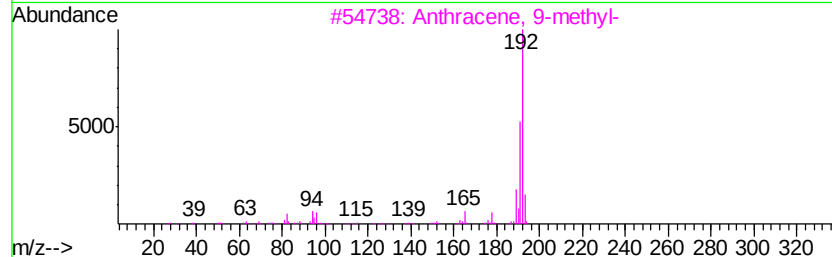
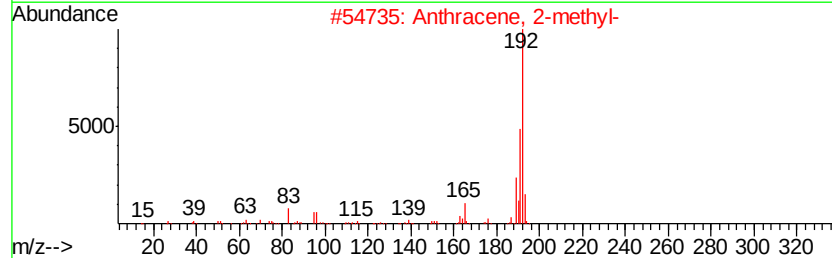
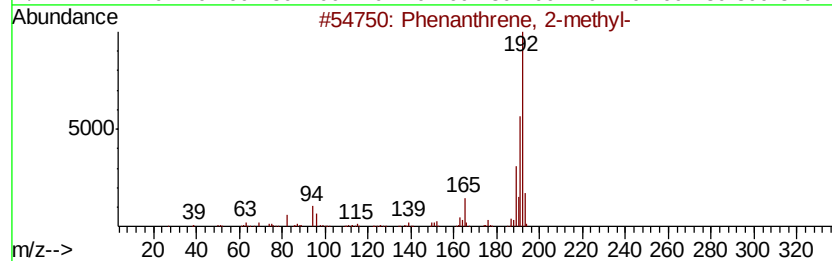
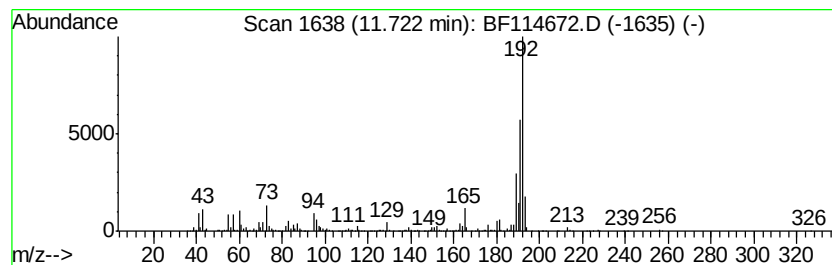
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	12.62 ng	2286970	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114672.D
Acq On : 30 May 2019 20:48
Operator : HP/JU
Sample : K3068-05
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ALS Vial : 5 Sample Multiplier: 1

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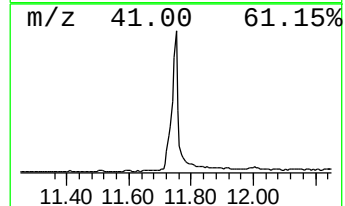
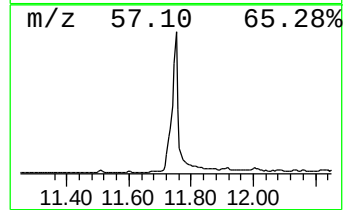
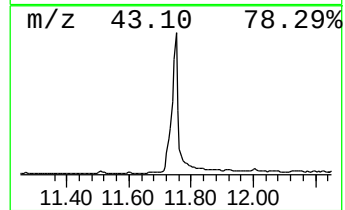
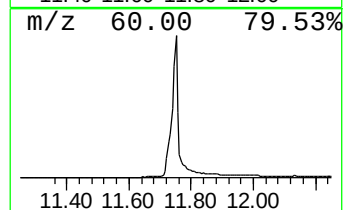
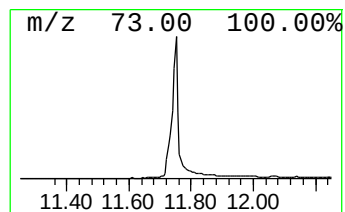
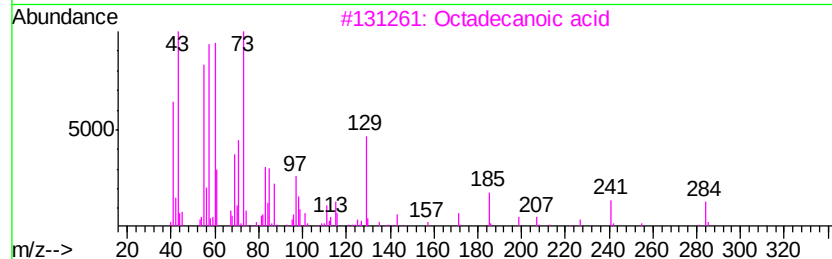
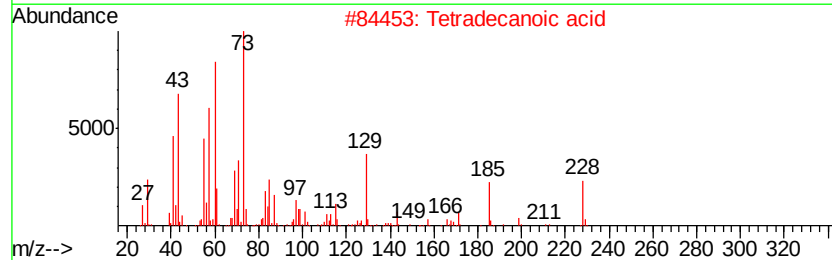
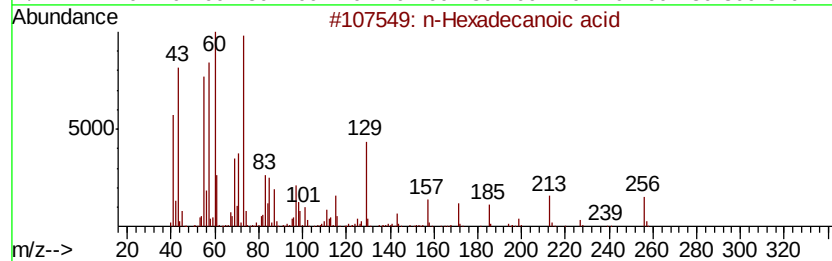
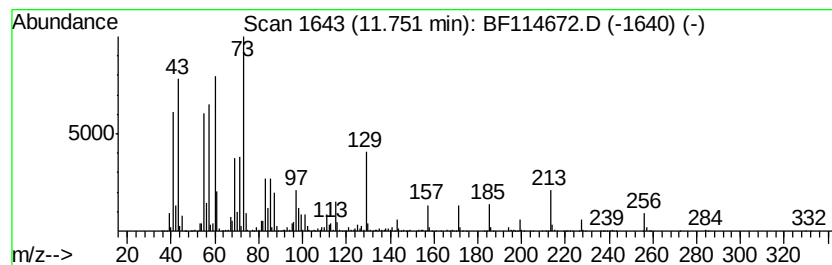
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	30.86 ng	5592840	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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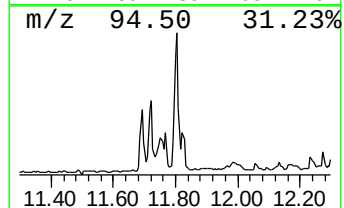
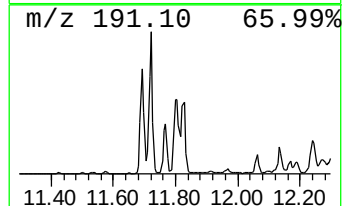
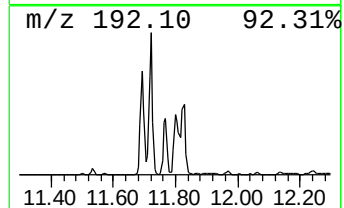
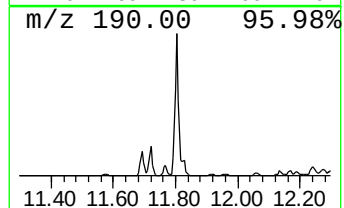
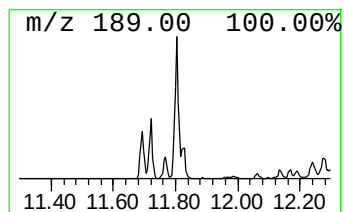
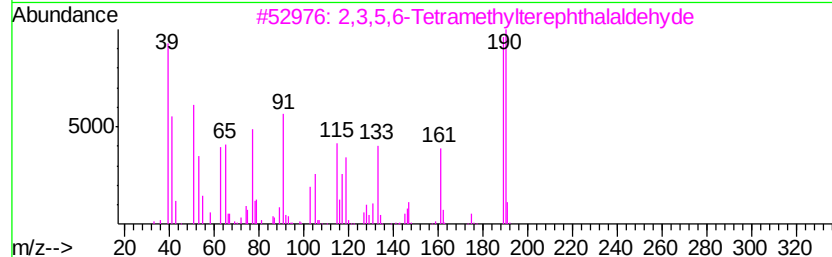
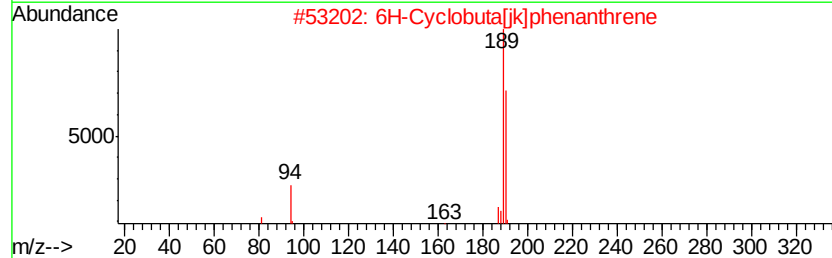
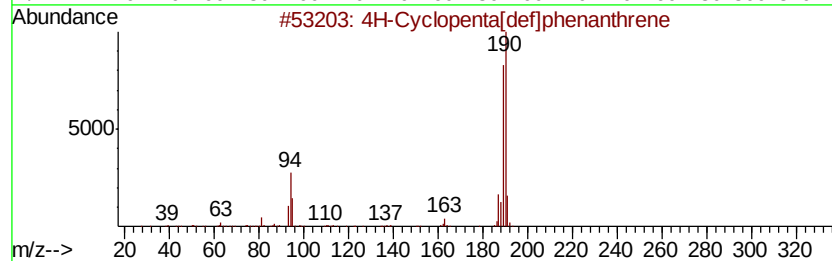
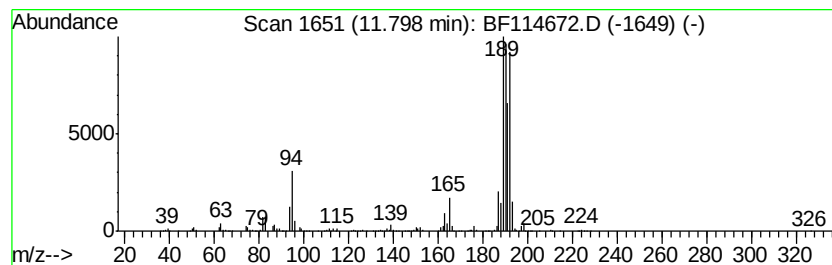
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.80	9.40 ng	1704240	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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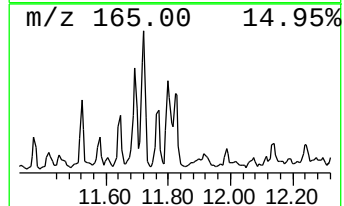
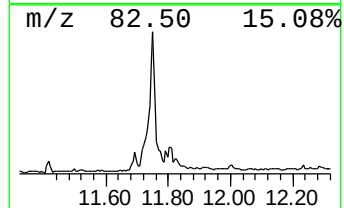
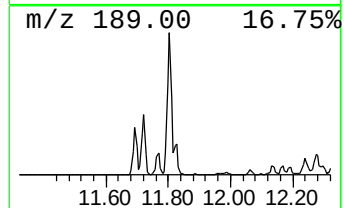
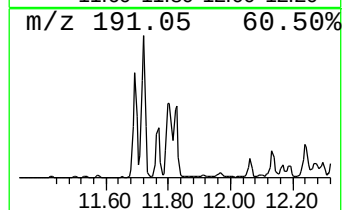
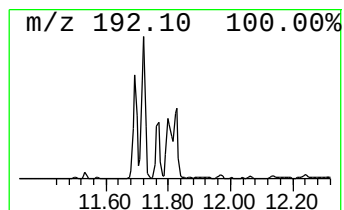
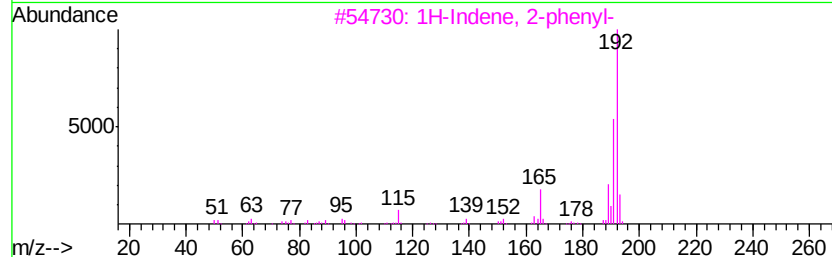
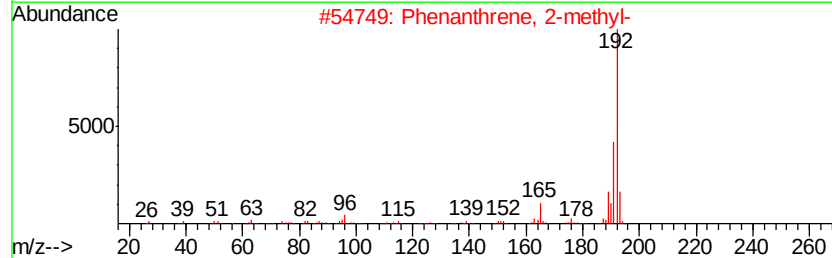
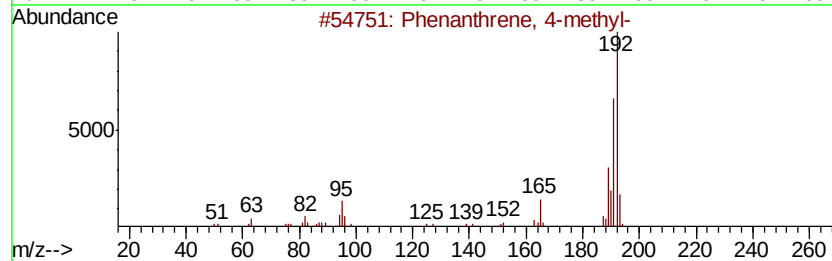
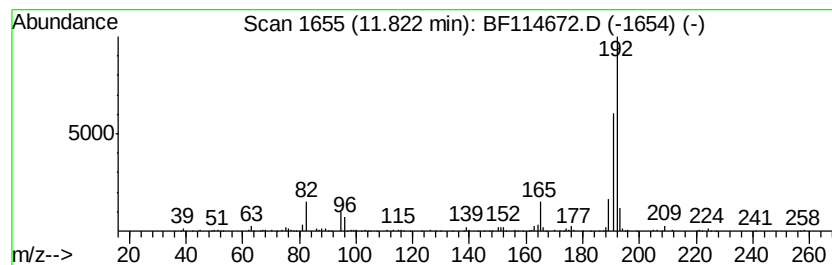
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.82	3.44 ng	623782	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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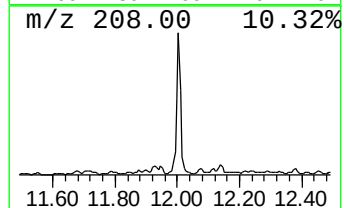
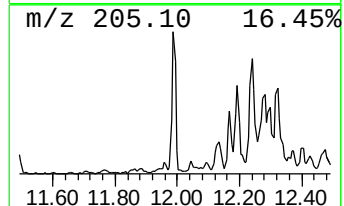
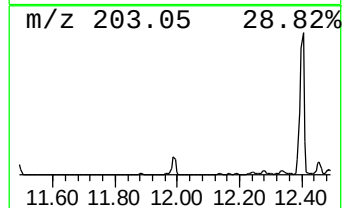
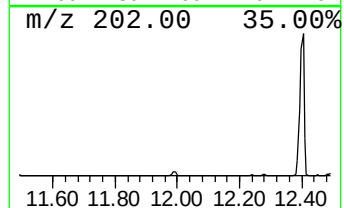
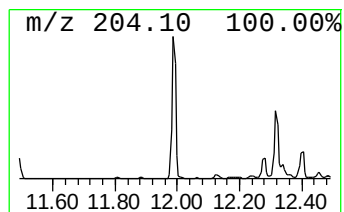
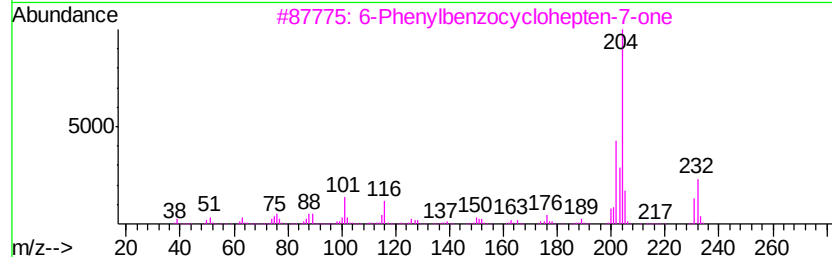
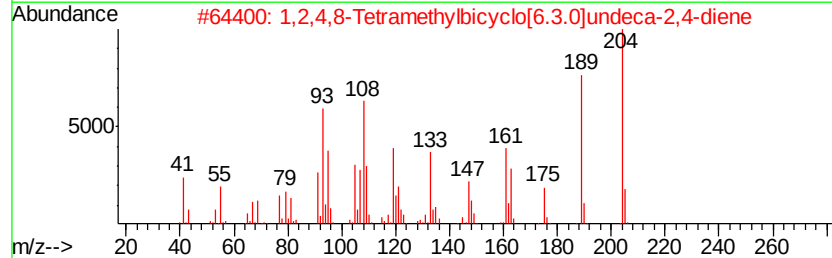
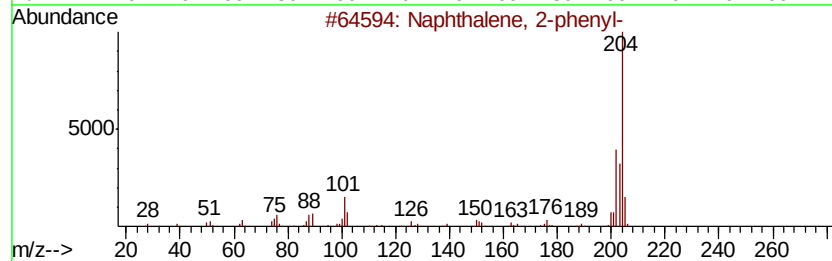
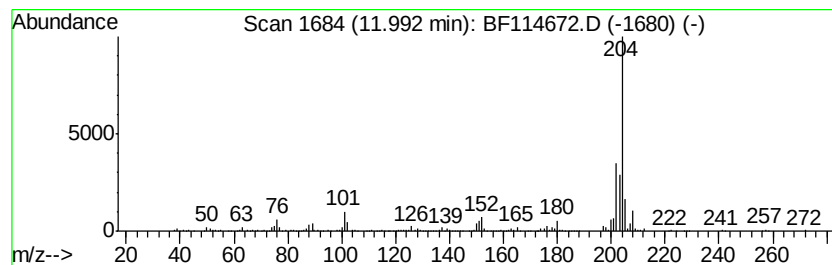
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.14 ng	750197	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	90
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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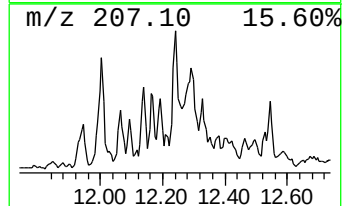
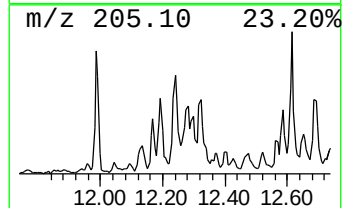
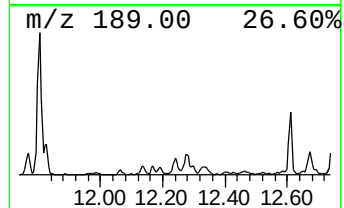
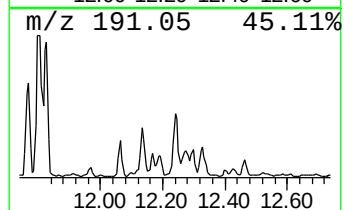
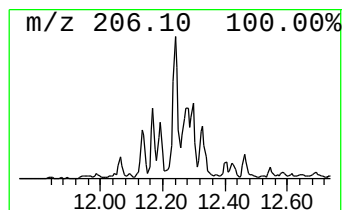
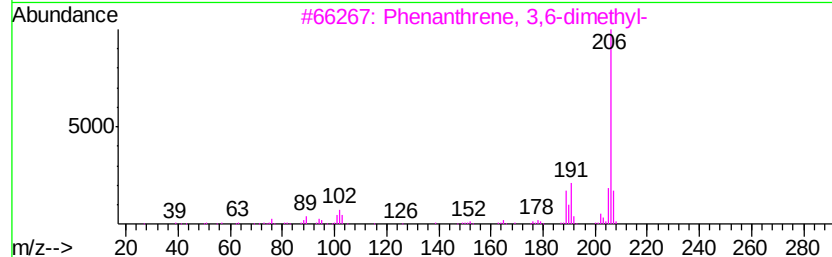
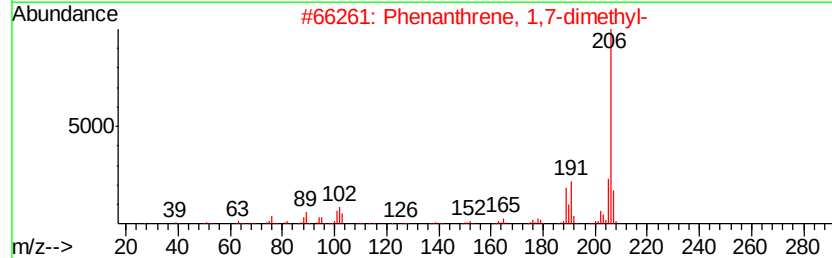
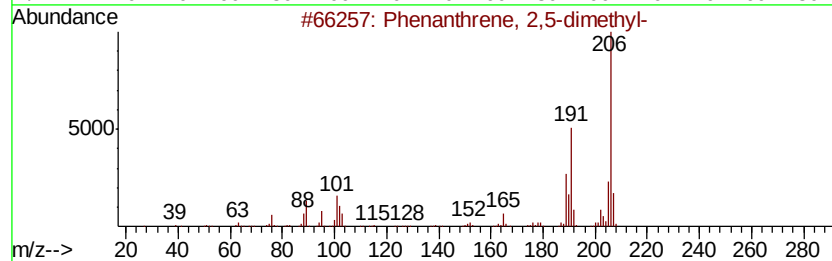
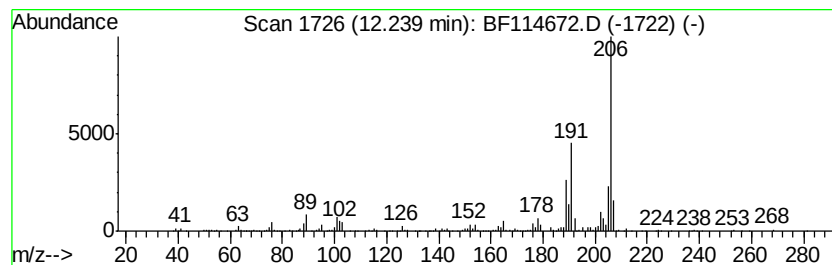
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ClientSampleId :
B-3SE(4-5)

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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 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.24	3.18 ng	576304	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114672.D
Acq On : 30 May 2019 20:48
Operator : HP/JU
Sample : K3068-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

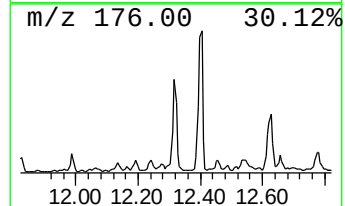
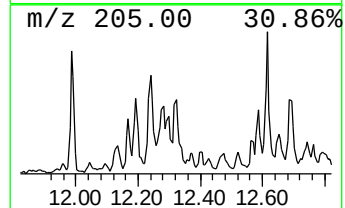
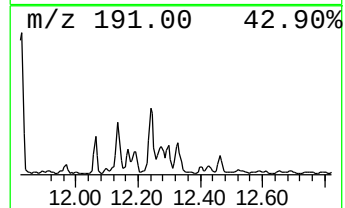
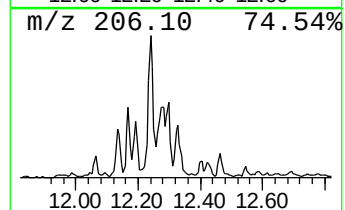
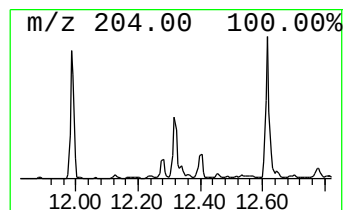
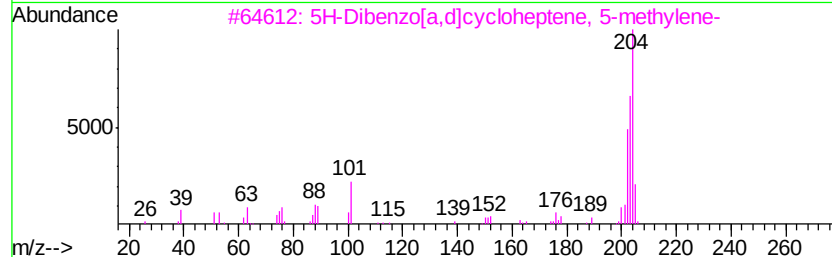
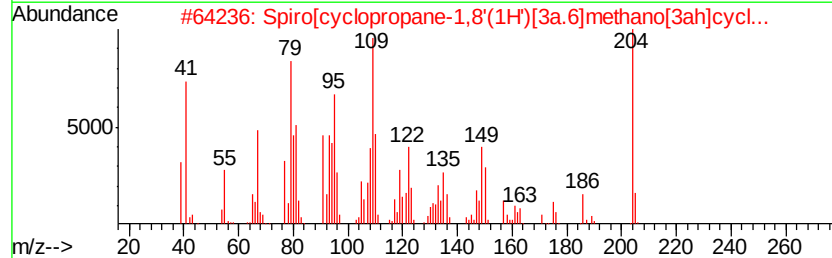
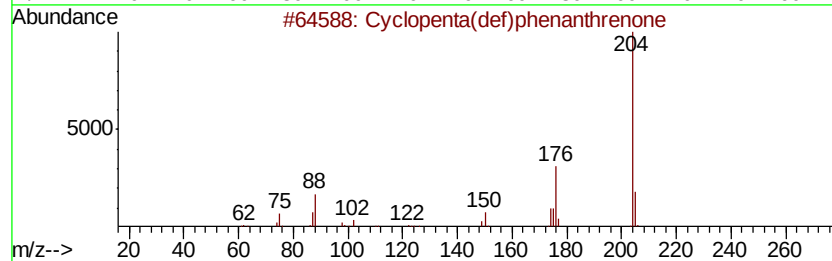
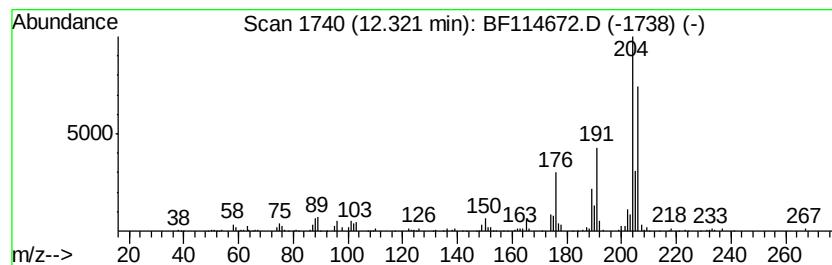
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.32	2.74 ng	496026	Phenanthrene-d10	11.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		Spiro[cyclopropane-1,8'(1H')][3a...	204	C14H20O	452049-62-6	50
3		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50
4		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5		Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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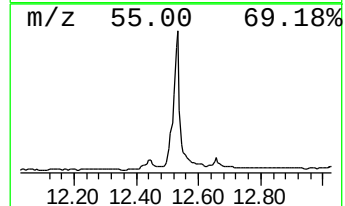
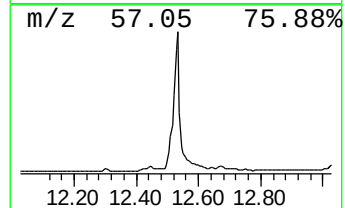
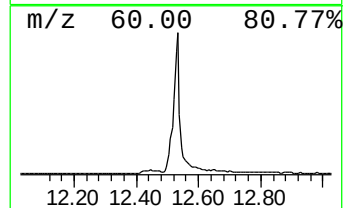
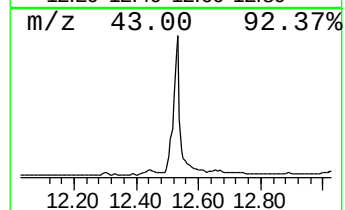
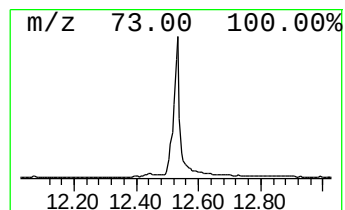
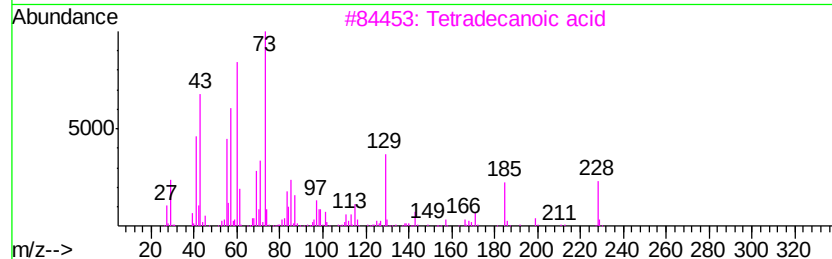
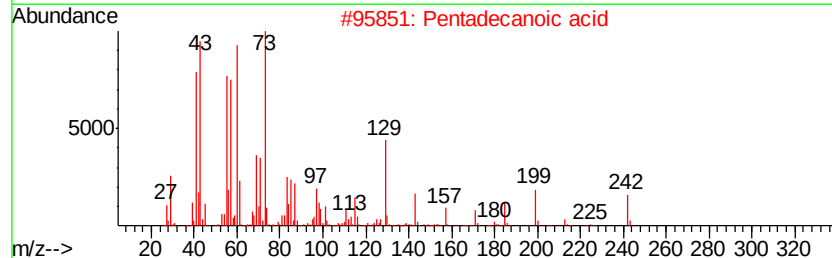
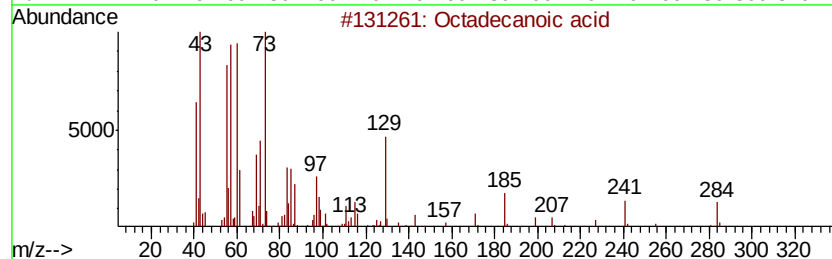
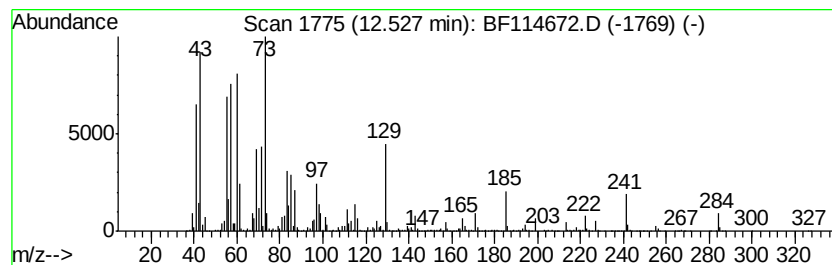
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B-3SE(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.53	21.91 ng	7563480	Chrysene-d12		13.82	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4		Tridecanoic acid	214	C13H26O2	000638-53-9	74
5		n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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Misc :
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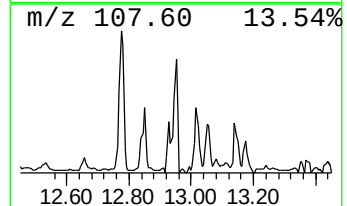
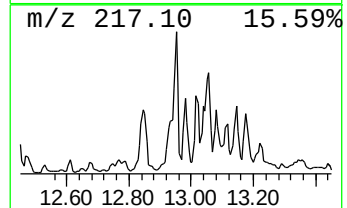
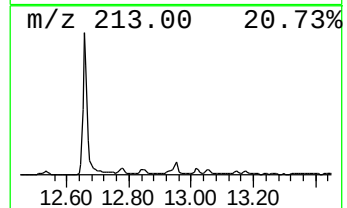
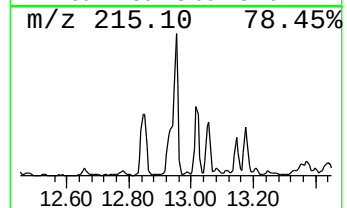
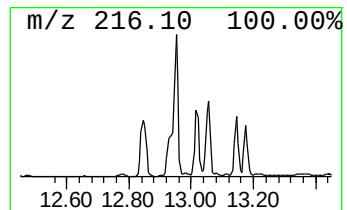
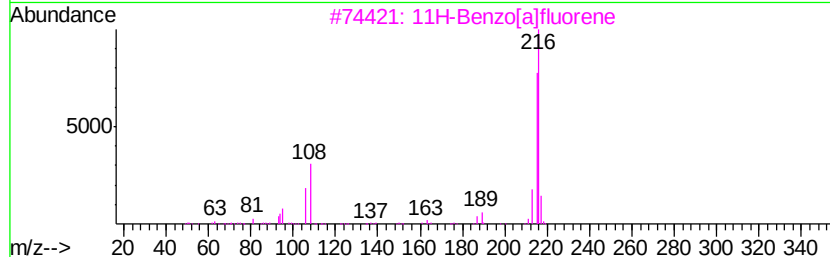
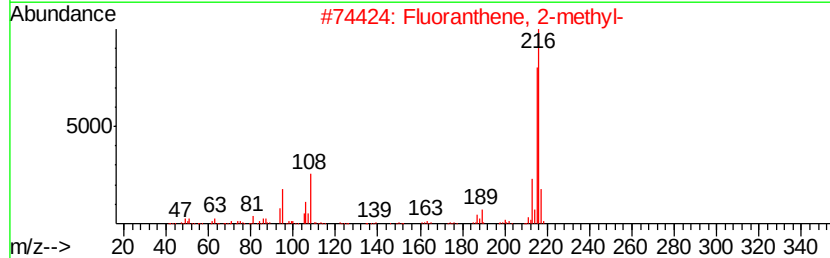
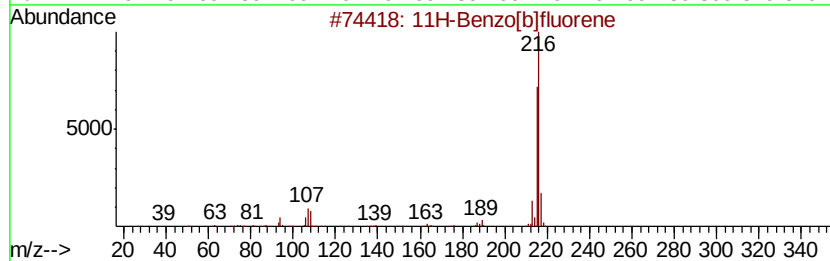
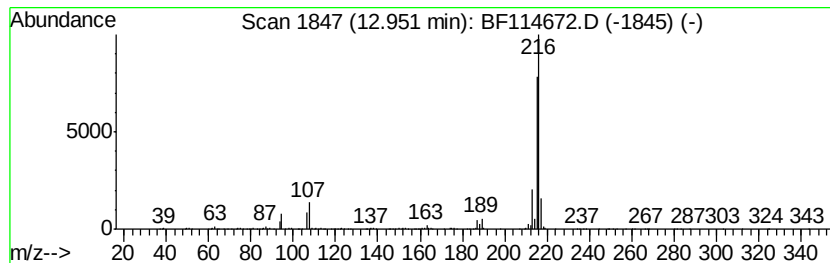
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ClientSampleId :
B-3SE(4-5)

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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 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.44 ng	842791	Chrysene-d12	13.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 95
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 95
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 93
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 90
5		1,3,5-Triazine-2,4,6-triamine, N...	216 C10H12N6	046731-79-7 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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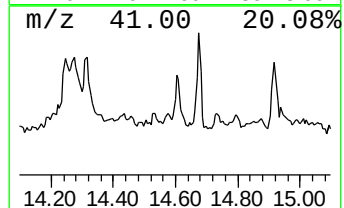
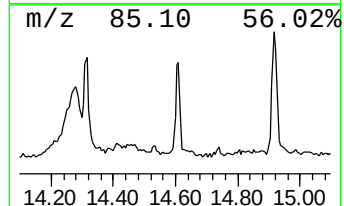
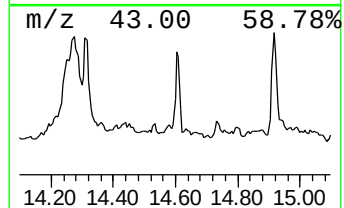
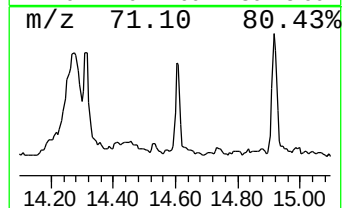
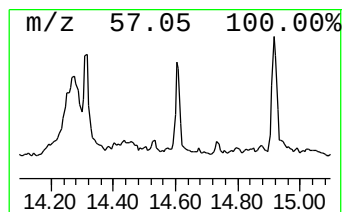
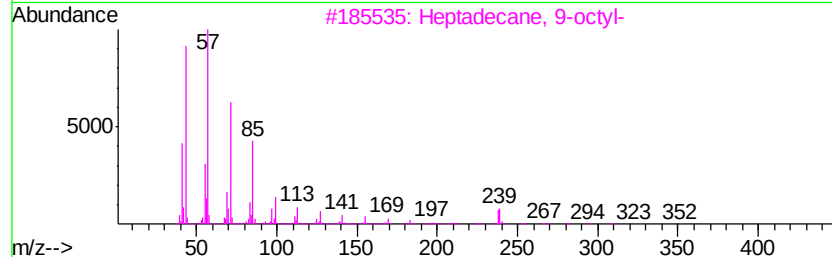
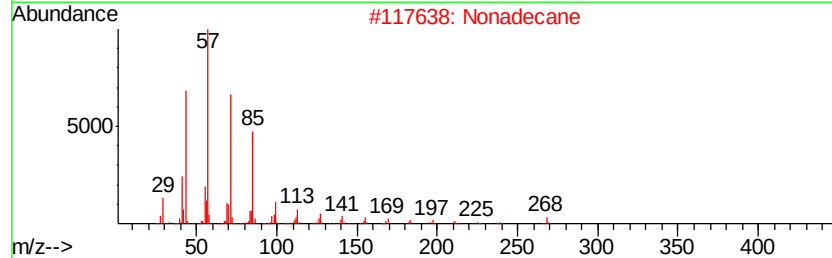
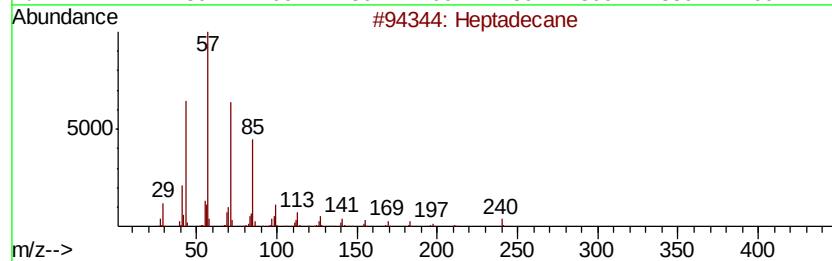
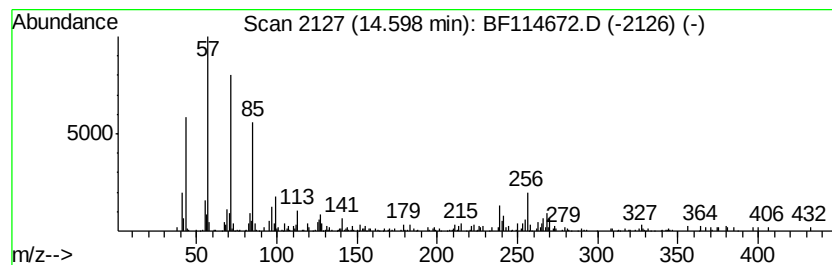
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.52 ng	350388	Perylene-d12	15.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane	240 C17H36	000629-78-7	86
2	Nonadecane	268 C19H40	000629-92-5	70
3	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	68
4	Docosane	310 C22H46	000629-97-0	58
5	Tetracosane	338 C24H50	000646-31-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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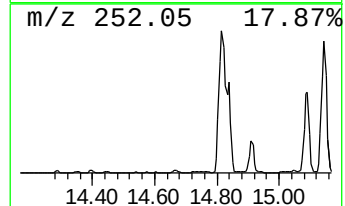
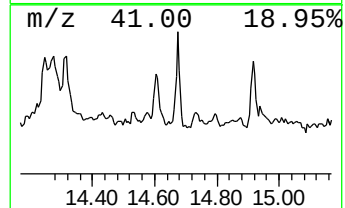
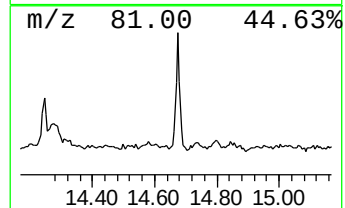
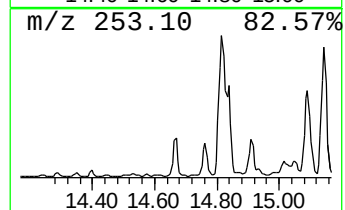
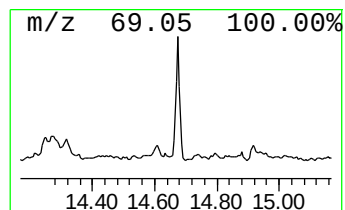
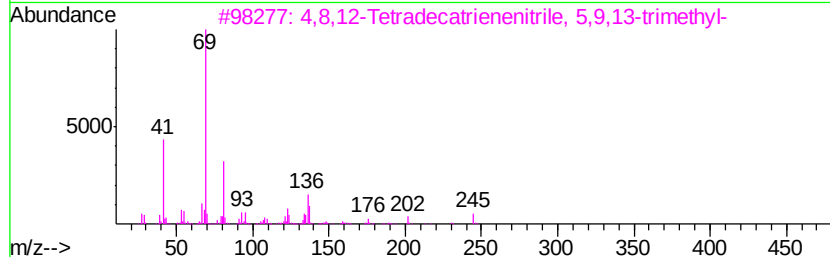
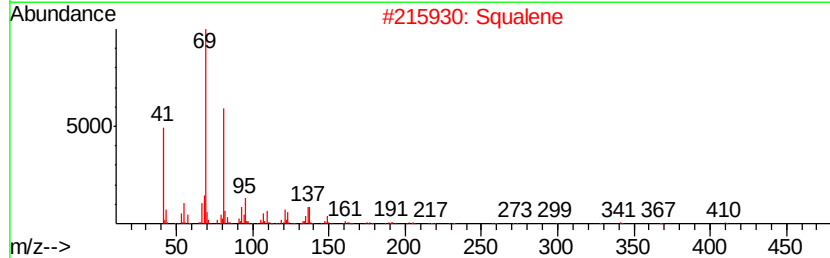
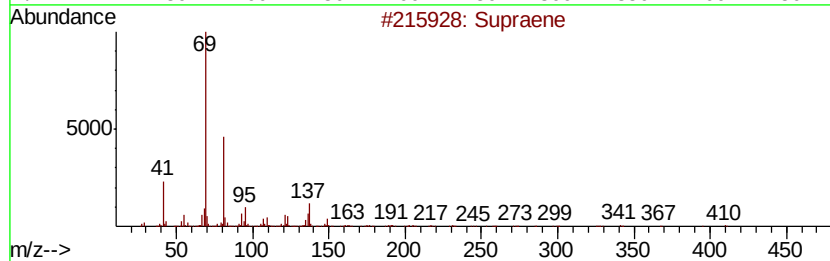
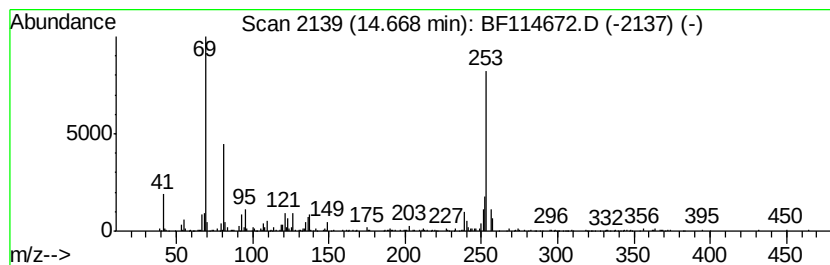
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Supraene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	3.56 ng	495047	Perylene-d12	15.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Supraene		410 C30H50	007683-64-9 81
2	Squalene		410 C30H50	000111-02-4 74
3	4,8,12-Tetradecatrienenitrile, 5...		245 C17H27N	005981-31-7 64
4	(E)-2-Butenoic acid, 2-(methylen...		180 C11H16O2	1000158-24-3 50
5	trans-Farnesol		222 C15H26O	000106-28-5 50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114672.D
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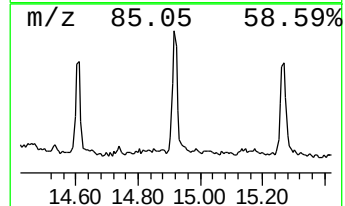
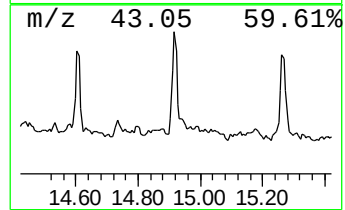
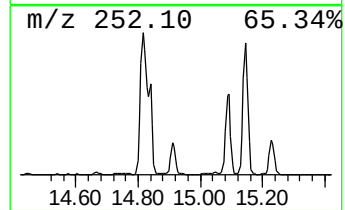
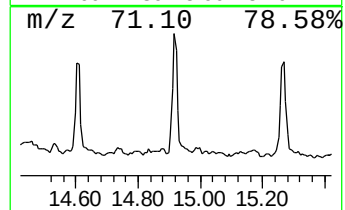
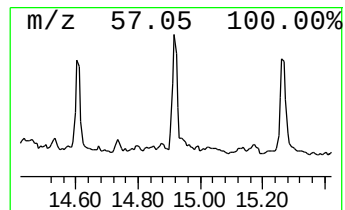
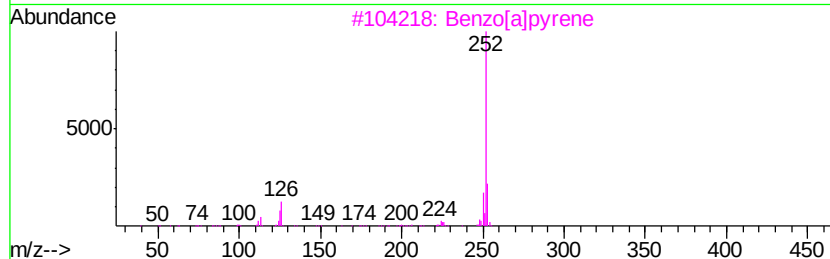
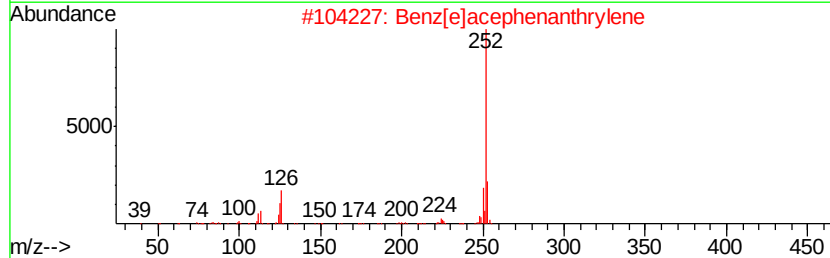
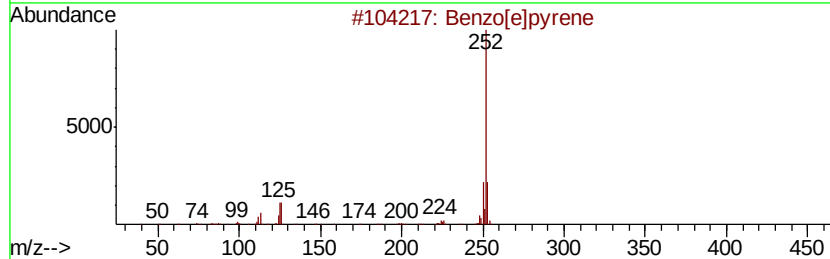
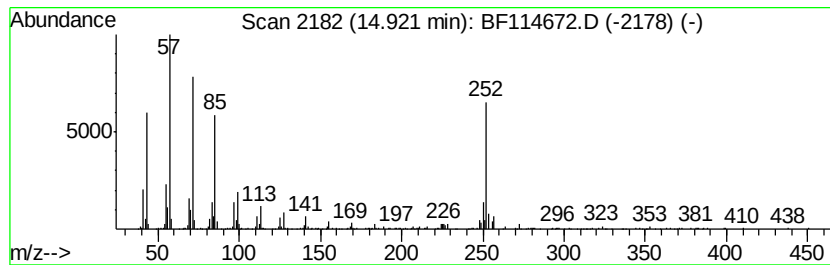
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	5.29 ng	735004	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	89
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	86
3		Benzo[a]pyrene	252	C20H12	000050-32-8	81
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	70
5		Perylene	252	C20H12	000198-55-0	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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Acq On : 30 May 2019 20:48
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Misc :
ALS Vial : 5 Sample Multiplier: 1

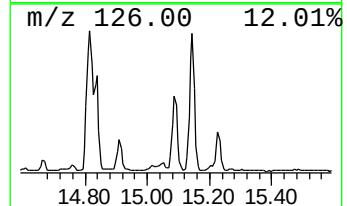
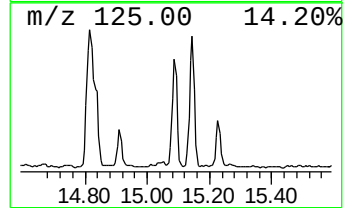
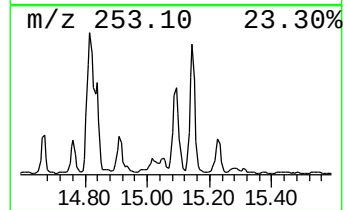
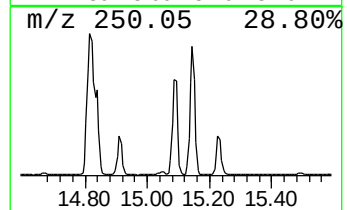
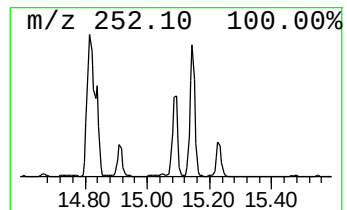
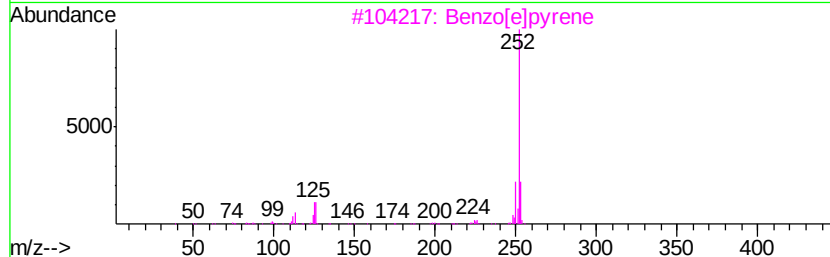
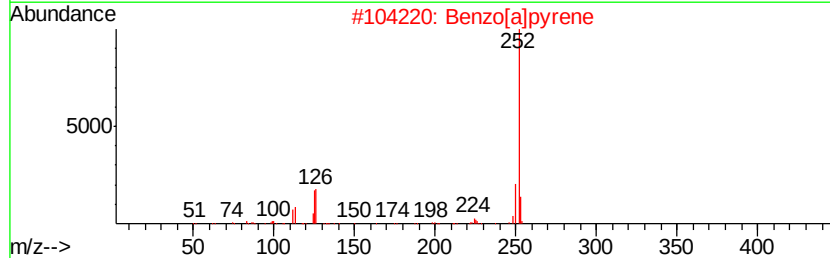
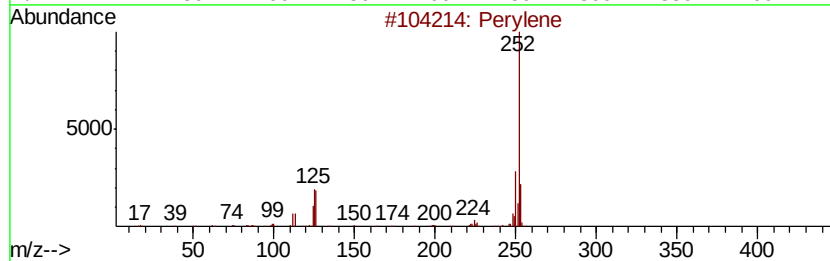
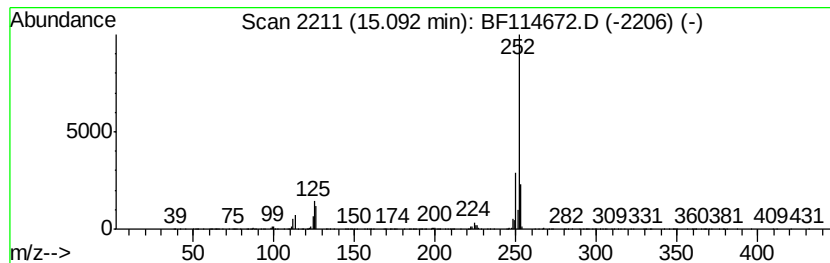
Instrument :
BNA_F
ClientSampleId :
B-3SE(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	12.11 ng	1681990	Perylene-d12	15.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Perylene		252 C20H12	000198-55-0 95
2	Benzo[a]pyrene		252 C20H12	000050-32-8 95
3	Benzo[e]pyrene		252 C20H12	000192-97-2 94
4	Benzo[e]acephenanthrylene		252 C20H12	000205-99-2 94
5	Benzo[k]fluoranthene		252 C20H12	000207-08-9 93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
 Data File : BF114672.D
 Acq On : 30 May 2019 20:48
 Operator : HP/JU
 Sample : K3068-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3SE(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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
unknown6.46	6.46	62.7	ng	6976540	1	6.69	2224530	20.0
9H-Fluoren-9-one	11.00	2.7	ng	494660	4	11.19	3624260	20.0
Dibenzothiophene	11.09	2.5	ng	447354	4	11.19	3624260	20.0
Phenanthrene, 2-m...	11.69	5.2	ng	948382	4	11.19	3624260	20.0
Anthracene, 2-met...	11.72	12.6	ng	2286970	4	11.19	3624260	20.0
n-Hexadecanoic acid	11.75	30.9	ng	5592840	4	11.19	3624260	20.0
4H-Cyclopenta[def...	11.80	9.4	ng	1704240	4	11.19	3624260	20.0
Phenanthrene, 4-m...	11.82	3.4	ng	623782	4	11.19	3624260	20.0
Naphthalene, 2-ph...	11.99	4.1	ng	750197	4	11.19	3624260	20.0
Phenanthrene, 2,5...	12.24	3.2	ng	576304	4	11.19	3624260	20.0
Cyclopenta(def)ph...	12.32	2.7	ng	496026	4	11.19	3624260	20.0
Octadecanoic acid	12.53	21.9	ng	7563480	5	13.82	6905320	20.0
11H-Benzo[b]fluorene	12.95	2.4	ng	842791	5	13.82	6905320	20.0
Heptadecane	14.60	2.5	ng	350388	6	15.20	2778750	20.0
Supraene	14.67	3.6	ng	495047	6	15.20	2778750	20.0
Benzo[e]pyrene	14.92	5.3	ng	735004	6	15.20	2778750	20.0
Perylene	15.09	12.1	ng	1681990	6	15.20	2778750	20.0