

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
 Data File : BF111421.D
 Acq On : 14 Dec 2018 16:22
 Operator : JU/SJ
 Sample : J6319-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 061_SW-N-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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	5.004	491	496	501	rBV2	269887	344818	3.75%	0.269%
2	5.422	561	567	570	rVB	4357412	4308057	46.87%	3.363%
3	5.710	613	616	623	rVB	304962	284197	3.09%	0.222%
4	6.334	718	722	724	rBV2	197889	223219	2.43%	0.174%
5	6.439	735	740	744	rBV	4511971	4913194	53.46%	3.835%
6	6.569	757	762	765	rVV	4775745	4543747	49.44%	3.547%
7	6.622	768	771	772	rBV	229384	219005	2.38%	0.171%
8	6.634	772	773	779	rVB	571368	474993	5.17%	0.371%
9	6.792	797	800	802	rBV	1510456	1188191	12.93%	0.928%
10	6.951	823	827	830	rBV	4054999	3520505	38.30%	2.748%
11	7.116	851	855	857	rBV2	272174	264808	2.88%	0.207%
12	7.186	864	867	871	rBV	215930	221480	2.41%	0.173%
13	7.351	886	895	898	rBV	3075168	3260765	35.48%	2.545%
14	7.398	900	903	906	rVB	573795	450625	4.90%	0.352%
15	7.592	933	936	942	rVB	260333	291332	3.17%	0.227%
16	7.816	968	974	976	rBV3	250616	310803	3.38%	0.243%
17	8.075	1013	1018	1020	rBV	1981782	1963495	21.36%	1.533%
18	8.092	1020	1021	1024	rVB	522223	364362	3.96%	0.284%
19	8.786	1134	1139	1144	rVB	397430	322951	3.51%	0.252%
20	8.886	1151	1156	1160	rBV	379940	359985	3.92%	0.281%
21	9.151	1197	1201	1204	rBV	5607237	4683335	50.96%	3.656%
22	9.416	1241	1246	1250	rVV	180736	256891	2.80%	0.201%
23	9.486	1254	1258	1260	rVV	443675	401200	4.37%	0.313%
24	9.539	1265	1267	1273	rVV	389827	361343	3.93%	0.282%
25	9.604	1275	1278	1283	rVV	224215	246229	2.68%	0.192%
26	9.686	1287	1292	1297	rBV	303933	271697	2.96%	0.212%
27	9.827	1310	1316	1319	rBV2	2025913	1870763	20.35%	1.460%
28	9.857	1319	1321	1325	rVB	1079355	889978	9.68%	0.695%
29	9.980	1338	1342	1347	rBV2	208072	259041	2.82%	0.202%
30	10.027	1347	1350	1354	rVB	527855	472186	5.14%	0.369%
31	10.374	1405	1409	1415	rVV	1145111	1082283	11.78%	0.845%
32	10.439	1418	1420	1422	rVV	340847	303403	3.30%	0.237%
33	10.457	1422	1423	1426	rVV2	281234	247588	2.69%	0.193%
34	10.527	1433	1435	1440	rVB2	272050	312755	3.40%	0.244%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.616	1445	1450	1454	rVV	3032414	2833956	30.83%	2.212%
36	10.739	1468	1471	1478	rVB	355854	385247	4.19%	0.301%
37	10.922	1496	1502	1504	rBV3	327158	479679	5.22%	0.374%
38	10.945	1504	1506	1510	rVV2	284849	315871	3.44%	0.247%
39	11.004	1513	1516	1519	rVB2	231001	227302	2.47%	0.177%
40	11.069	1525	1527	1532	rVV3	192919	240523	2.62%	0.188%
41	11.116	1532	1535	1539	rVB	274475	276697	3.01%	0.216%
42	11.169	1539	1544	1546	rBV3	200297	321825	3.50%	0.251%
43	11.204	1548	1550	1557	rVB	523083	567284	6.17%	0.443%
44	11.316	1565	1569	1570	rBV	1263204	1349995	14.69%	1.054%
45	11.345	1570	1574	1577	rVV	7721639	8301884	90.33%	6.481%
46	11.392	1578	1582	1584	rVV	2433475	2226464	24.22%	1.738%
47	11.539	1601	1607	1610	rBV2	372284	429939	4.68%	0.336%
48	11.610	1616	1619	1622	rVV2	520750	477191	5.19%	0.373%
49	11.639	1622	1624	1628	rVB2	266301	246837	2.69%	0.193%
50	11.816	1650	1654	1656	rVV	1777472	1518654	16.52%	1.186%
51	11.845	1656	1659	1663	rVV	2461125	2189131	23.82%	1.709%
52	11.886	1663	1666	1669	rVV	698779	687500	7.48%	0.537%
53	11.927	1669	1673	1675	rVV	2430975	2585820	28.13%	2.019%
54	11.951	1675	1677	1681	rVB	1183837	958780	10.43%	0.748%
55	12.110	1698	1704	1706	rBV	1110343	1057139	11.50%	0.825%
56	12.133	1706	1708	1714	rVB2	533671	490784	5.34%	0.383%
57	12.257	1724	1729	1732	rBV2	497186	583323	6.35%	0.455%
58	12.310	1736	1738	1741	rVB2	303427	268607	2.92%	0.210%
59	12.363	1743	1747	1750	rBV	859839	978718	10.65%	0.764%
60	12.404	1750	1754	1759	rVB4	619494	994594	10.82%	0.776%
61	12.451	1759	1762	1767	rBV2	502388	668584	7.27%	0.522%
62	12.533	1771	1776	1779	rBV	6501986	7094047	77.19%	5.538%
63	12.674	1794	1800	1805	rVB2	219143	357917	3.89%	0.279%
64	12.763	1809	1815	1818	rBV	6565572	9190888	100.00%	7.175%
65	12.804	1820	1822	1827	rVB2	295644	445788	4.85%	0.348%
66	12.868	1830	1833	1835	rBV	308996	293562	3.19%	0.229%
67	12.898	1835	1838	1845	rVB	3320324	3194609	34.76%	2.494%
68	12.974	1845	1851	1854	rBV3	682367	1002773	10.91%	0.783%
69	13.057	1862	1865	1866	rBV3	434800	397140	4.32%	0.310%
70	13.080	1866	1869	1872	rVB	1065868	1097548	11.94%	0.857%
71	13.145	1876	1880	1883	rBV2	595049	583412	6.35%	0.455%

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72	13.186	1883	1887	1889	rBV2	1020325	934752	10.17%	0.730%
73	13.280	1899	1903	1905	rVV	609320	581446	6.33%	0.454%
74	13.310	1905	1908	1911	rVB	689308	637336	6.93%	0.498%
75	13.480	1935	1937	1940	rVV3	258424	309677	3.37%	0.242%
76	13.586	1951	1955	1960	rVV	545617	721830	7.85%	0.563%
77	13.698	1969	1974	1977	rBV2	544177	852329	9.27%	0.665%
78	13.727	1977	1979	1981	rVV	821802	682222	7.42%	0.533%
79	13.751	1981	1983	1987	rVV2	668794	727388	7.91%	0.568%
80	13.792	1987	1990	1998	rVB3	569355	897553	9.77%	0.701%
81	13.945	2009	2016	2020	rBV2	3536609	5620826	61.16%	4.388%
82	13.980	2020	2022	2027	rVB	3392232	3125383	34.01%	2.440%
83	14.057	2033	2035	2037	rVB	490040	347722	3.78%	0.271%
84	14.168	2051	2054	2058	rBV2	180732	260260	2.83%	0.203%
85	14.339	2078	2083	2086	rVV	879494	1007719	10.96%	0.787%
86	14.368	2086	2088	2091	rVV	491534	530846	5.78%	0.414%
87	14.410	2092	2095	2096	rVV2	239251	296453	3.23%	0.231%
88	14.427	2096	2098	2101	rVV3	421514	522639	5.69%	0.408%
89	14.462	2101	2104	2106	rVV	469122	487118	5.30%	0.380%
90	14.486	2106	2108	2111	rVV	401185	365838	3.98%	0.286%
91	14.533	2114	2116	2121	rVB	287558	284686	3.10%	0.222%
92	14.639	2131	2134	2137	rBV3	180318	231895	2.52%	0.181%
93	14.986	2187	2193	2196	rBV	2255102	3929400	42.75%	3.067%
94	15.086	2207	2210	2214	rVB	481806	490429	5.34%	0.383%
95	15.280	2238	2243	2248	rVB	1509556	2084843	22.68%	1.628%
96	15.339	2248	2253	2258	rBV	2066551	2785980	30.31%	2.175%
97	15.392	2258	2262	2265	rVV	750142	1017091	11.07%	0.794%
98	15.427	2265	2268	2274	rVB2	630819	872264	9.49%	0.681%
99	16.809	2497	2503	2512	rVB2	740622	1446561	15.74%	1.129%
100	17.239	2569	2576	2584	rVB	605250	1238677	13.48%	0.967%

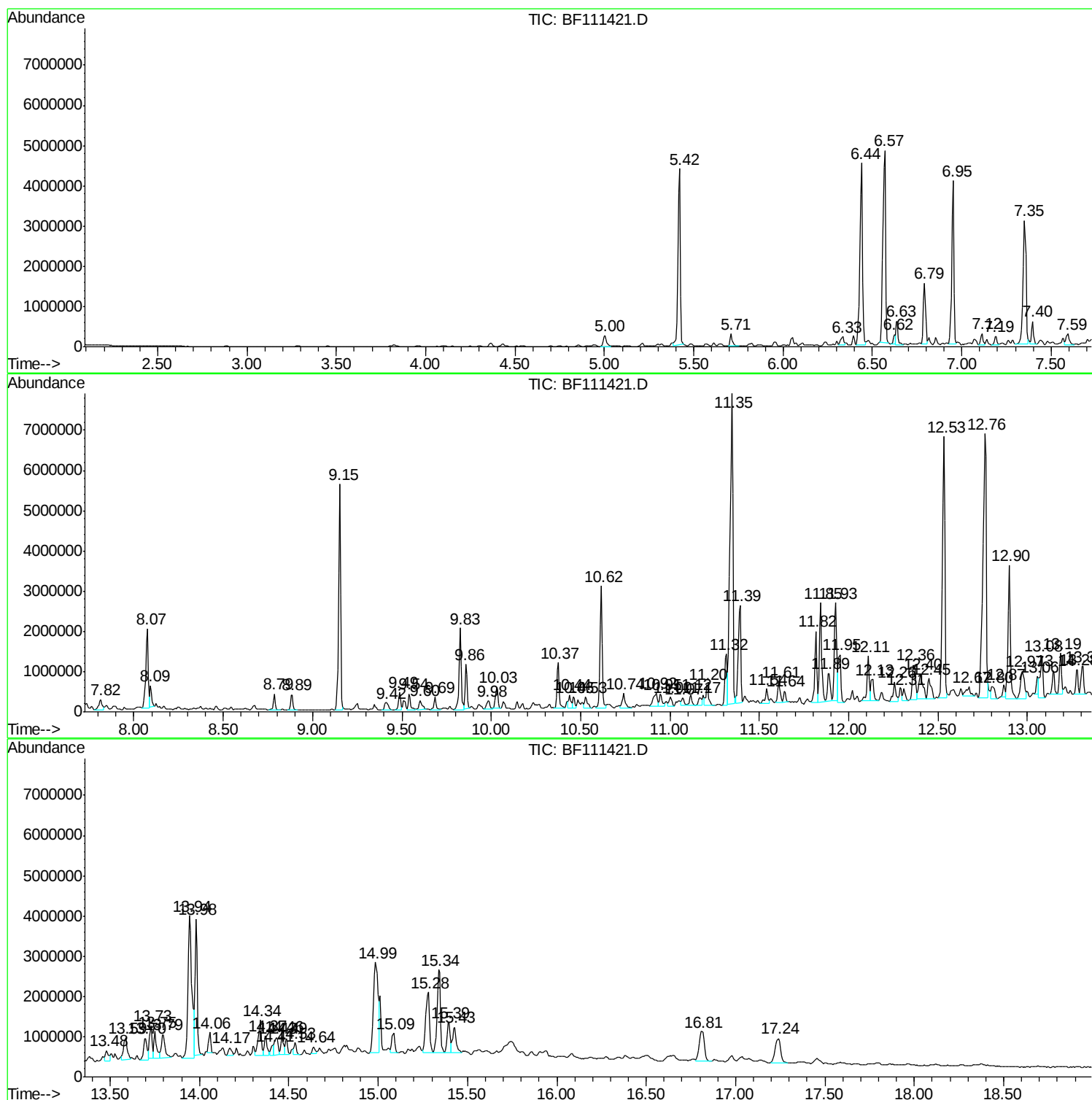
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
061_SW-N-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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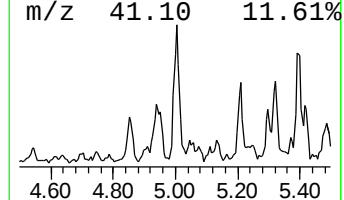
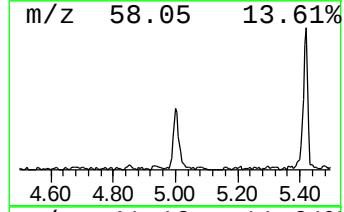
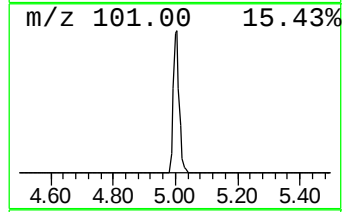
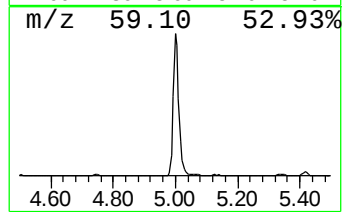
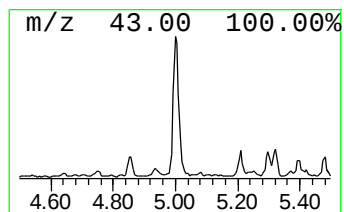
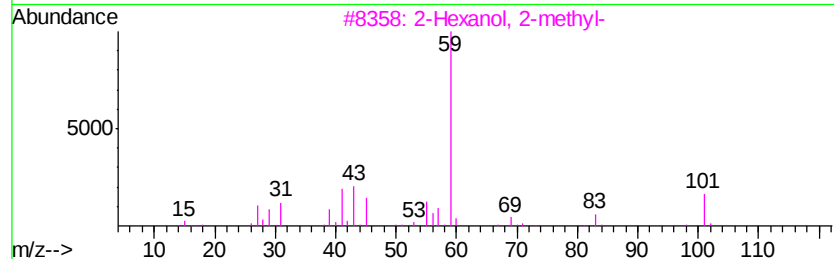
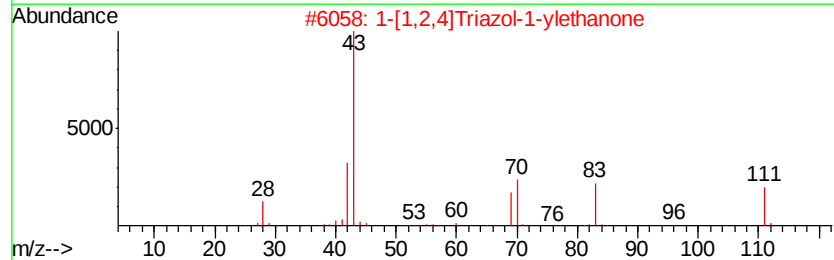
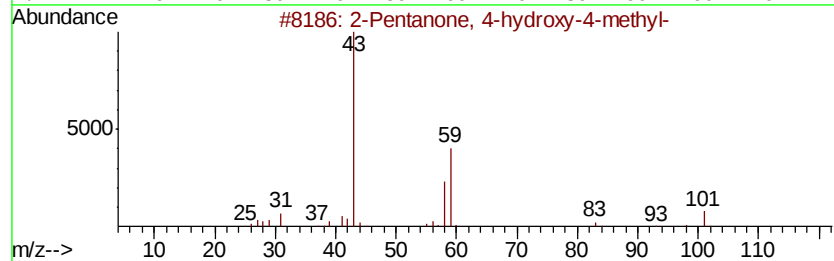
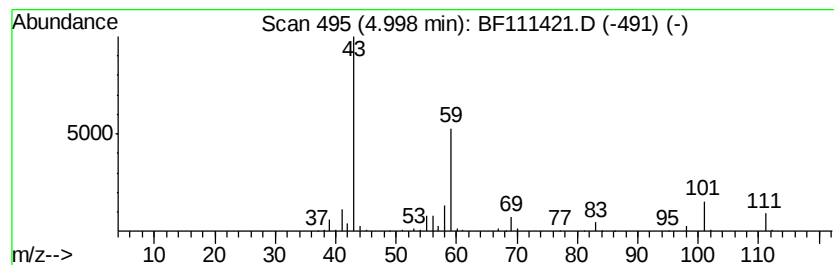
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	5.80 ng	344818	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
2			1-[1,2,4]Triazol-1-ylethanone	111	C4H5N3O	015625-88-4	27
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	17
4			Silane, trimethyl-	74	C3H10Si	000993-07-7	10
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10



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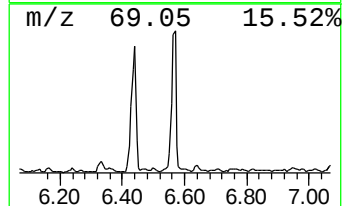
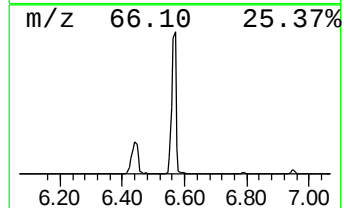
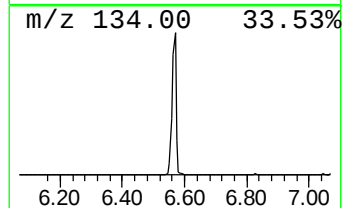
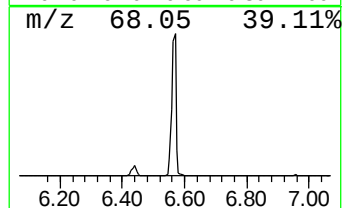
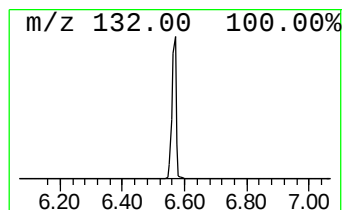
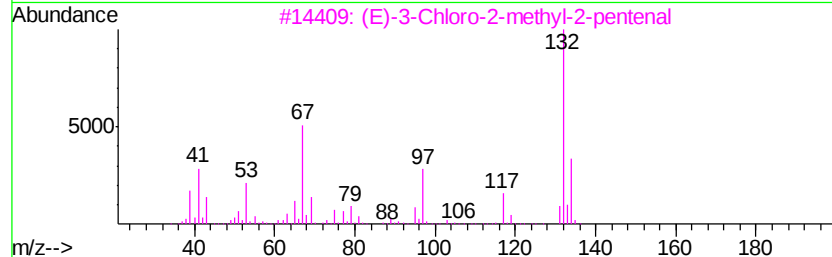
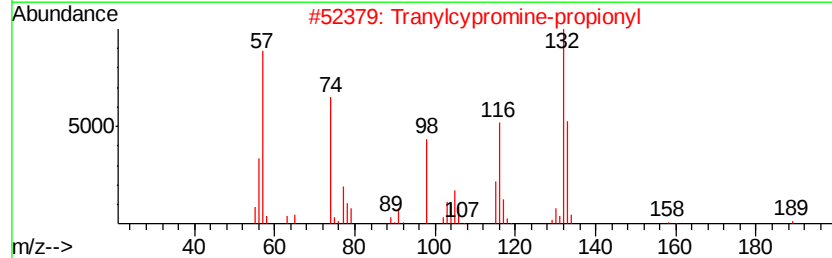
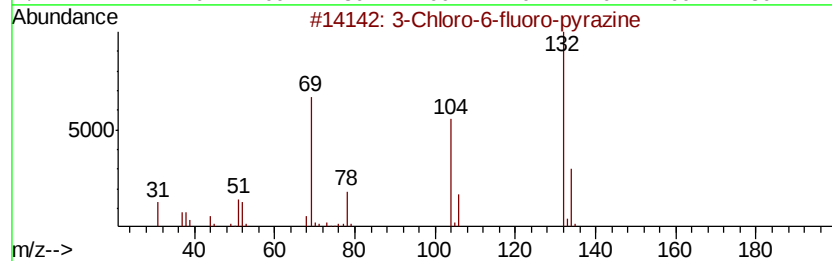
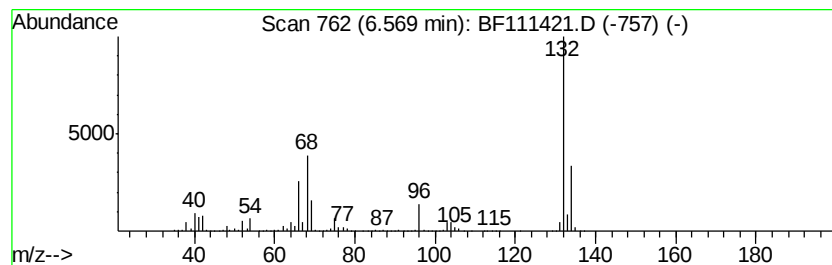
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	76.48 ng	4543750	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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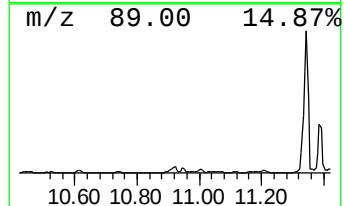
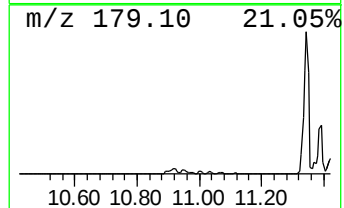
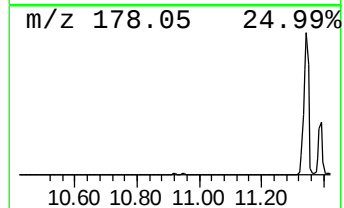
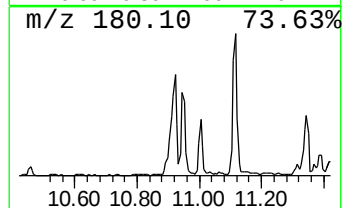
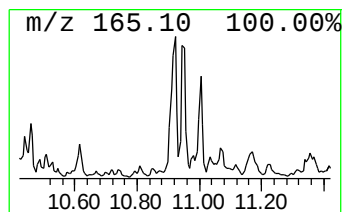
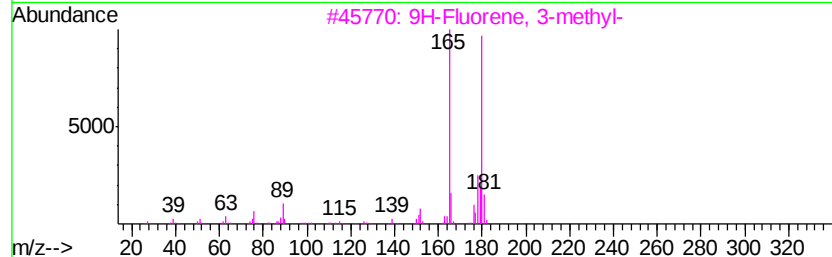
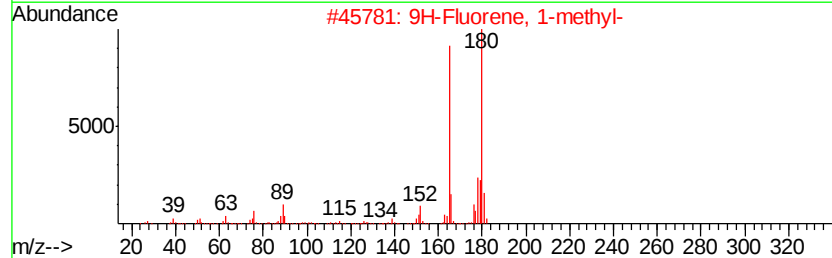
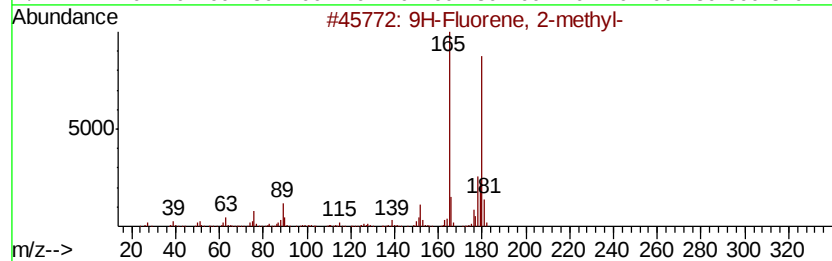
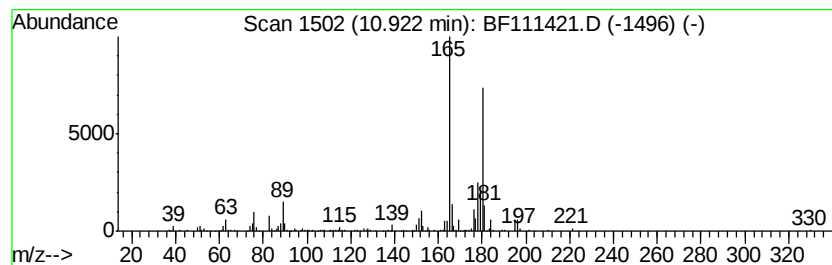
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	7.11 ng	479679	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

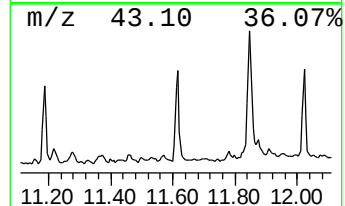
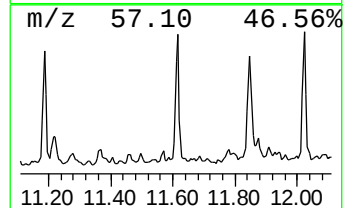
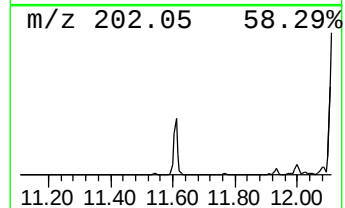
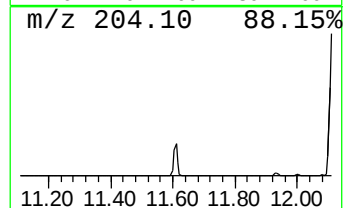
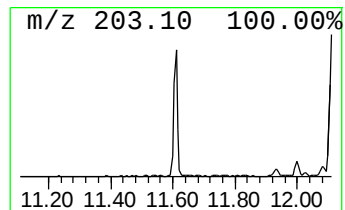
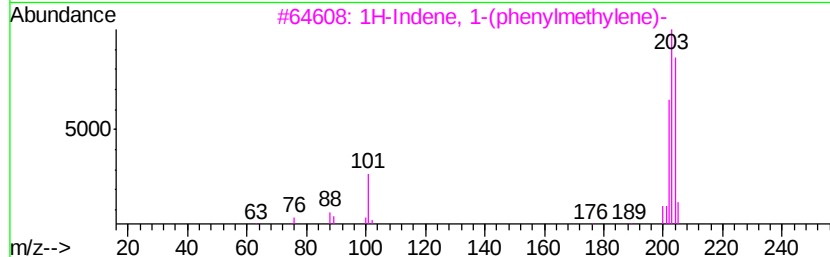
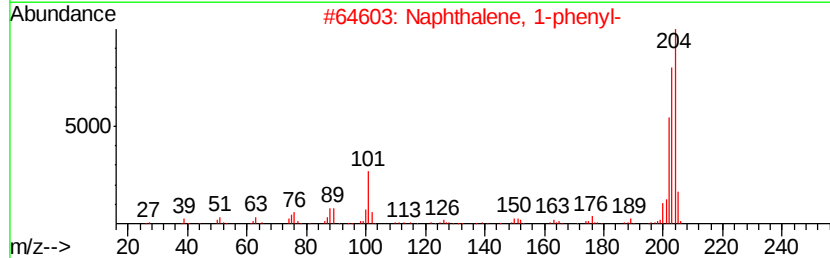
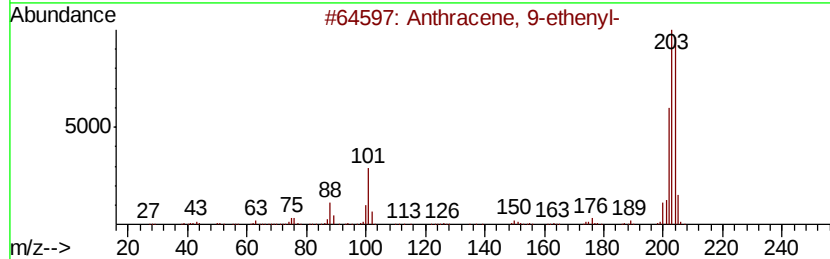
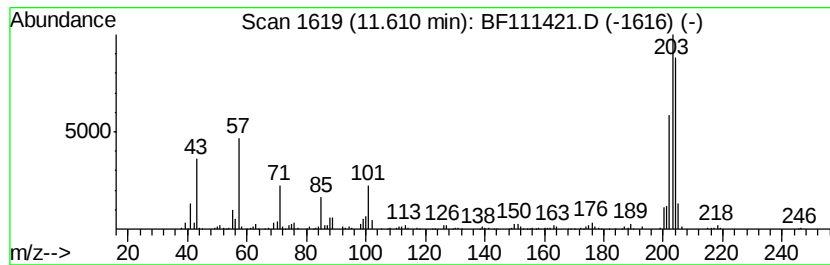
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.61	7.07 ng	477191	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	86
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	70
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
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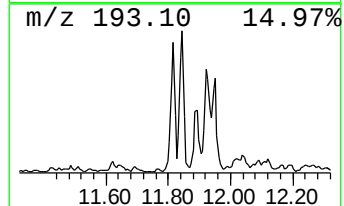
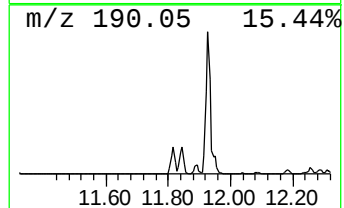
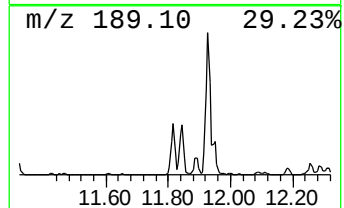
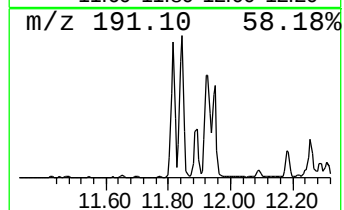
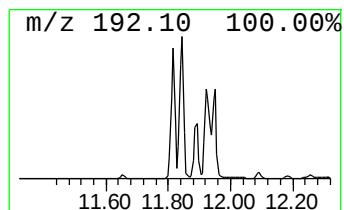
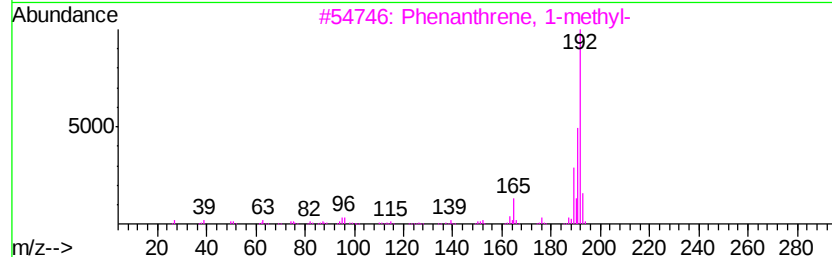
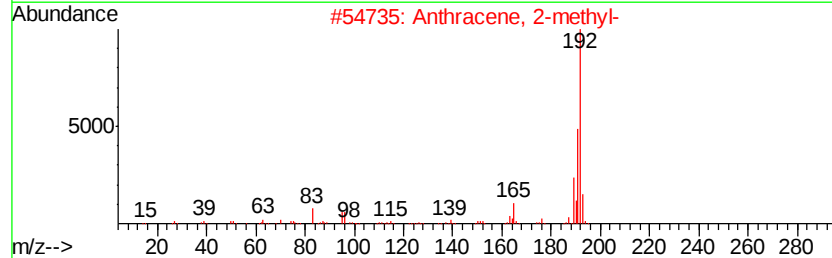
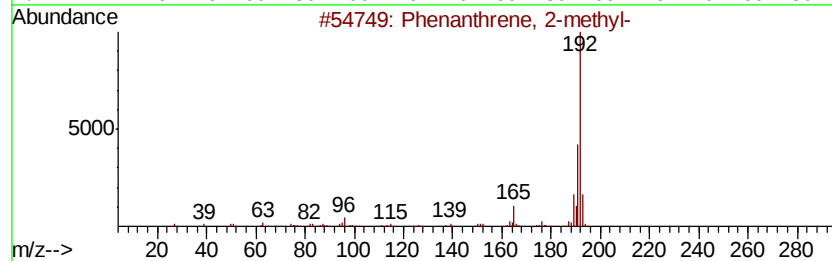
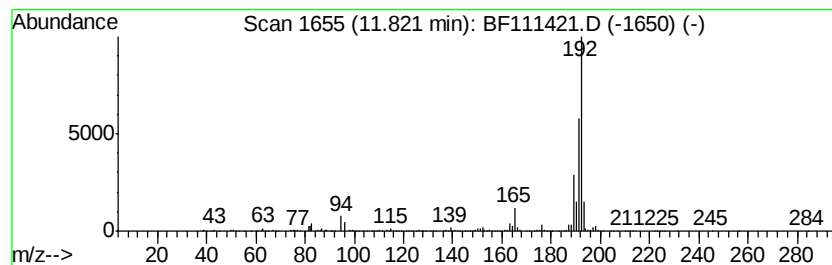
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	22.50 ng	1518650	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
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Misc :
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ClientSampleId :
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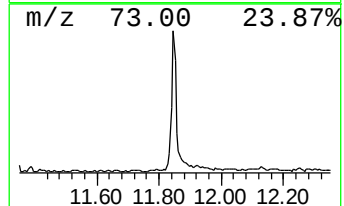
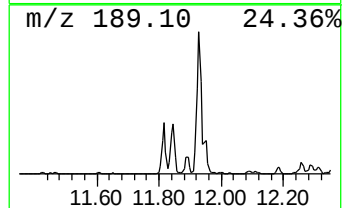
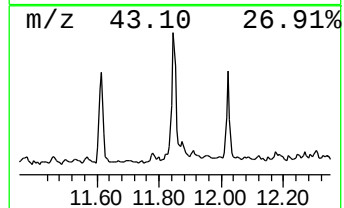
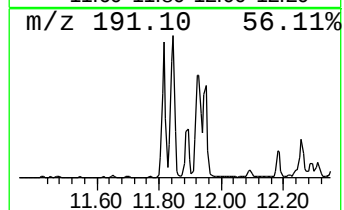
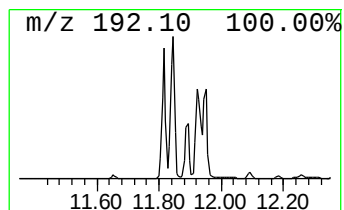
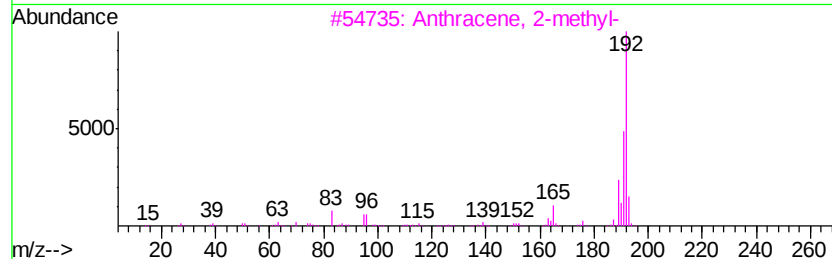
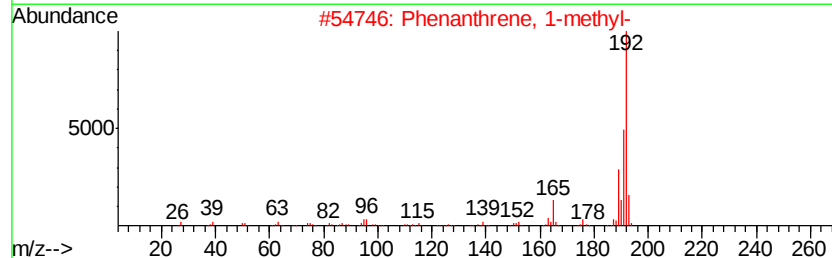
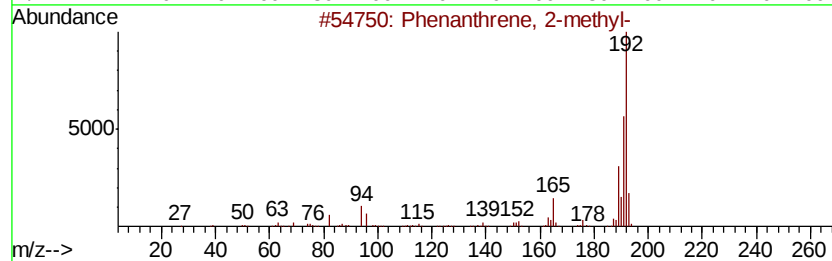
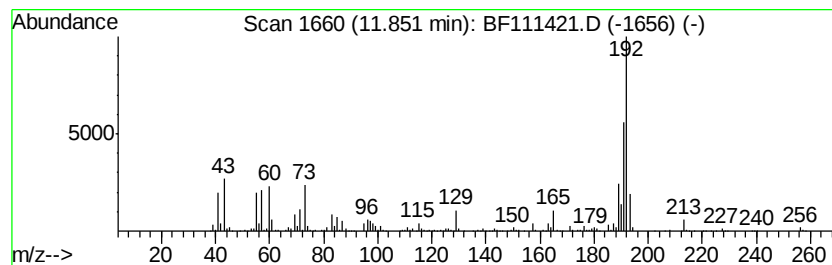
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	32.43 ng	2189130	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

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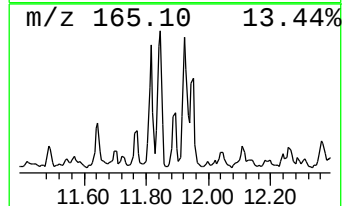
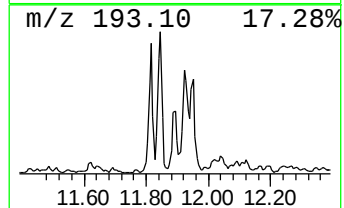
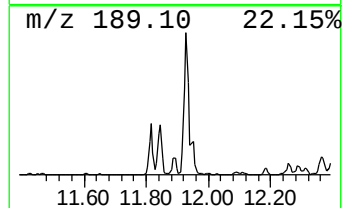
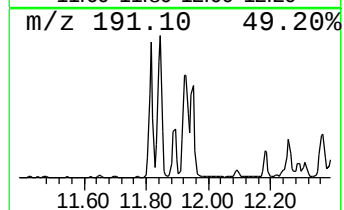
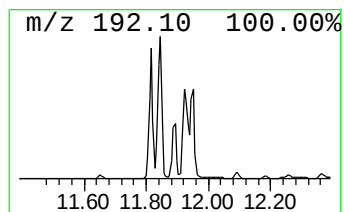
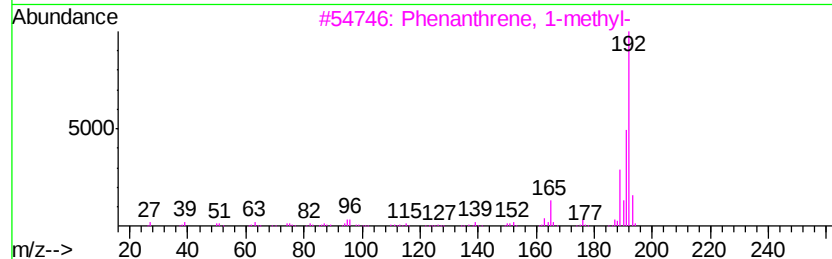
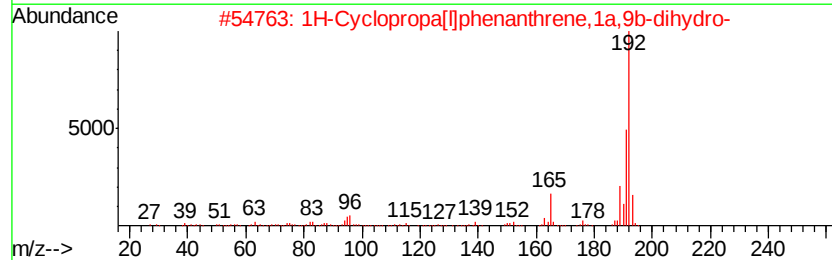
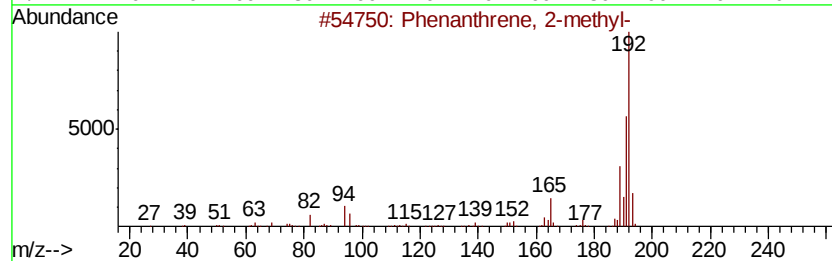
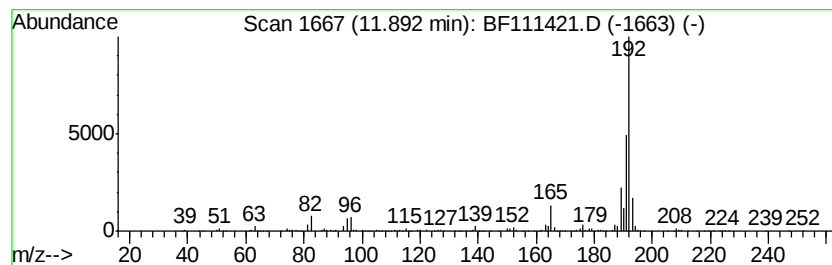
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	10.19 ng	687500	Phenanthrene-d10	11.32

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
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Acq On : 14 Dec 2018 16:22
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Sample : J6319-07
Misc :
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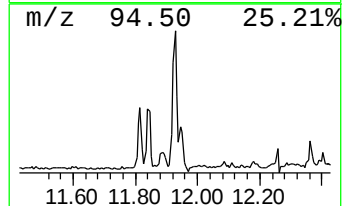
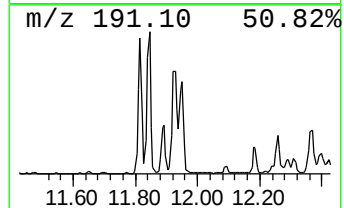
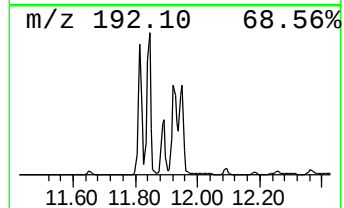
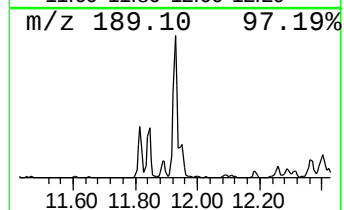
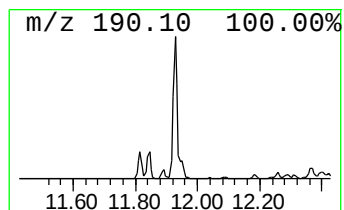
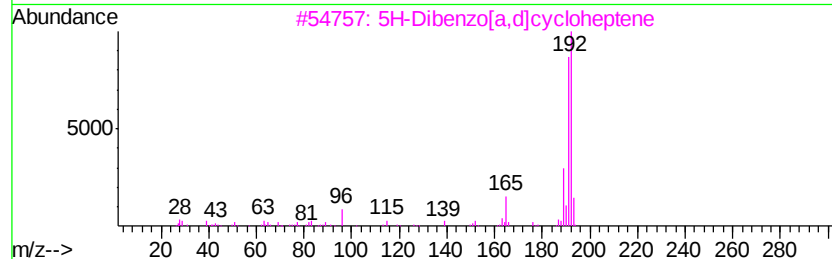
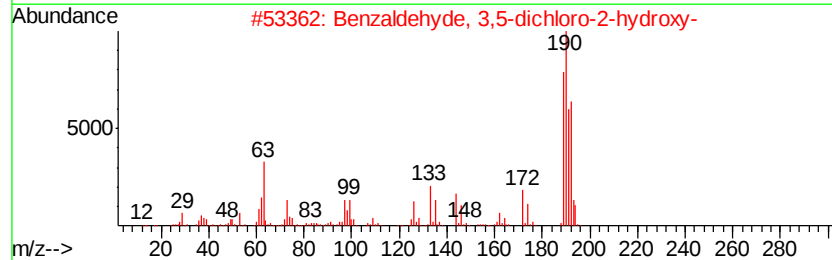
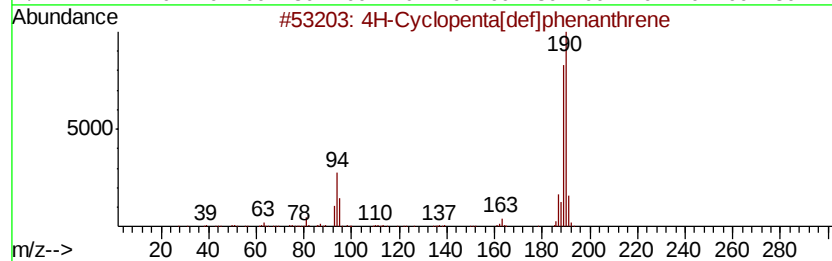
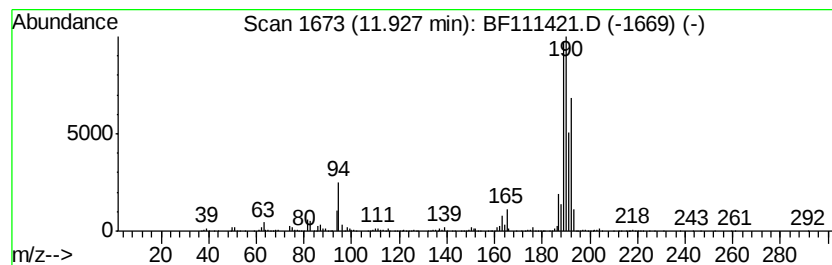
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	38.31 ng	2585820	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
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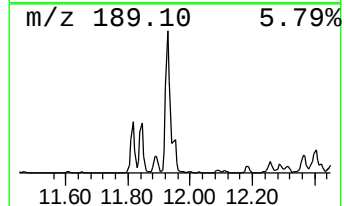
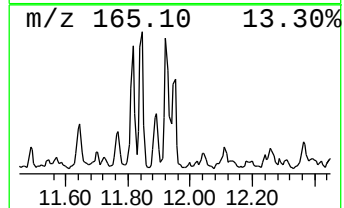
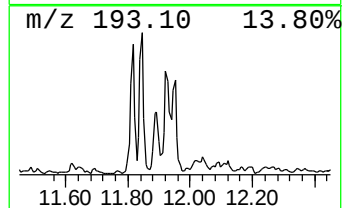
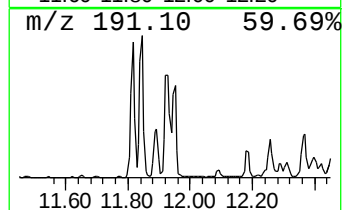
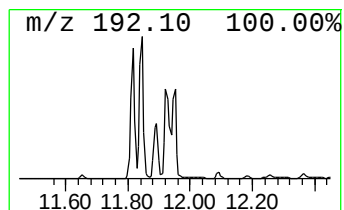
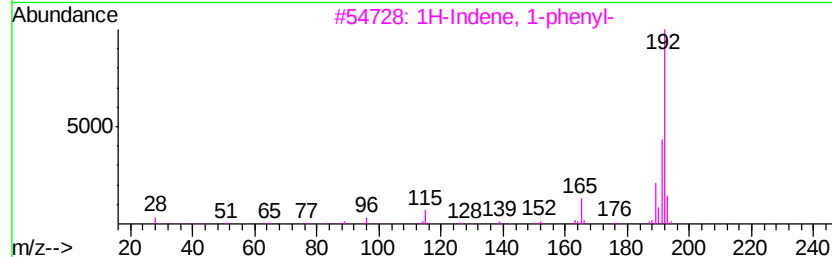
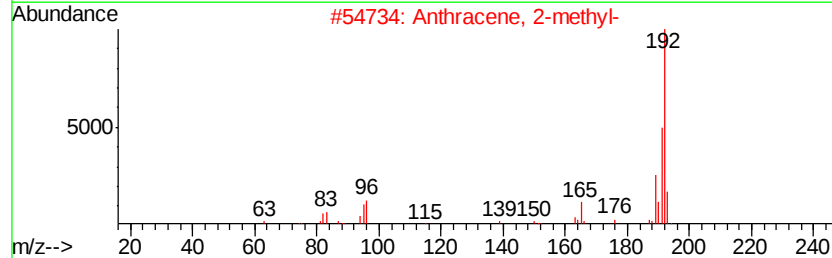
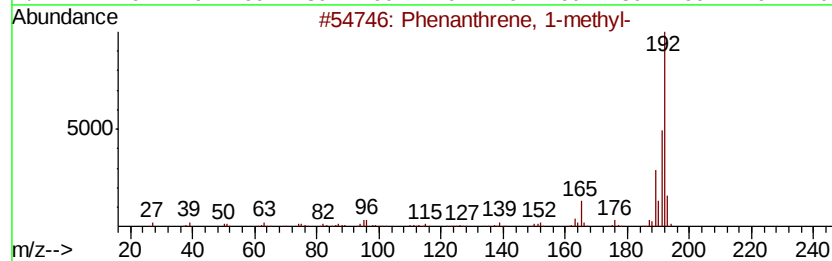
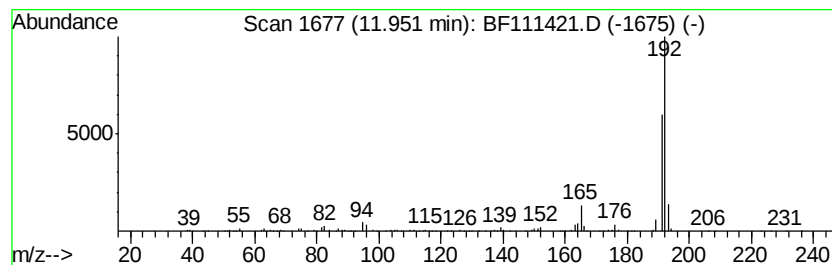
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.95	14.20 ng	958780	Phenanthrene-d10	11.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
061_SW-N-1

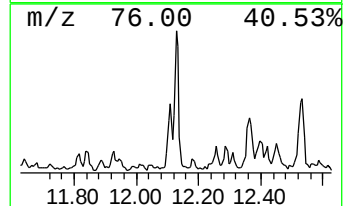
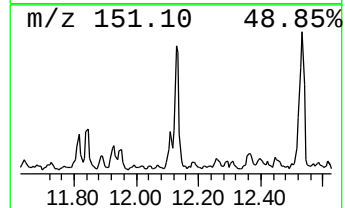
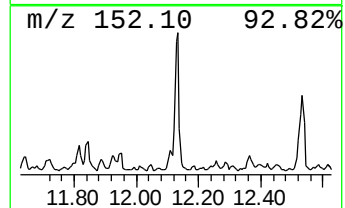
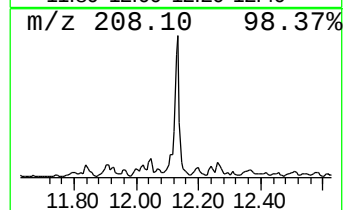
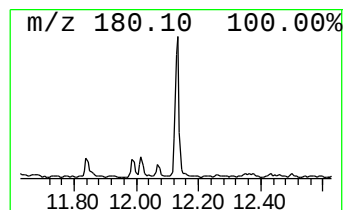
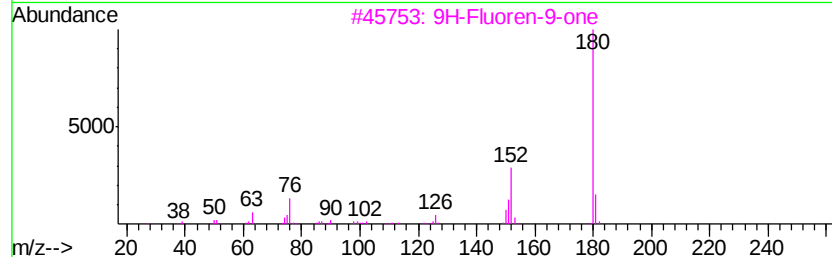
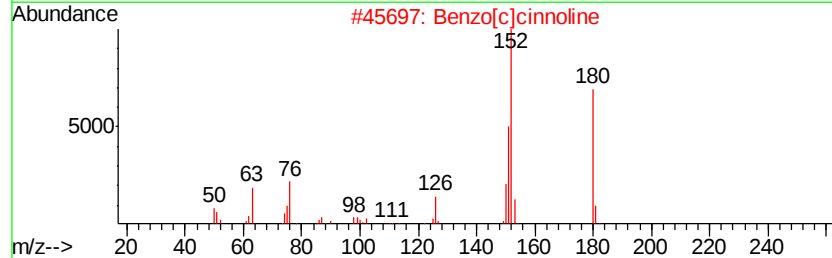
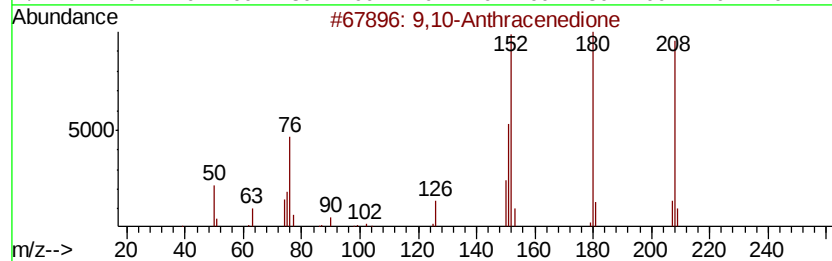
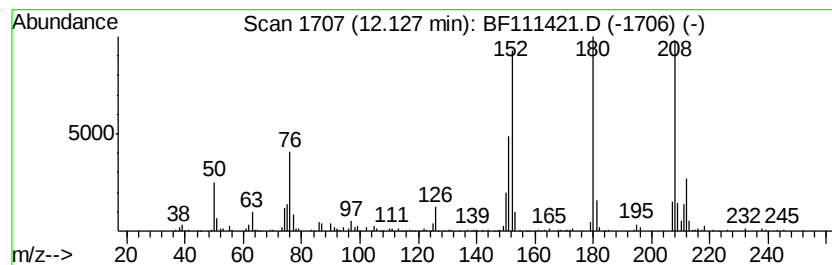
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	7.27 ng	490784	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

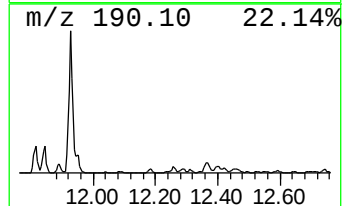
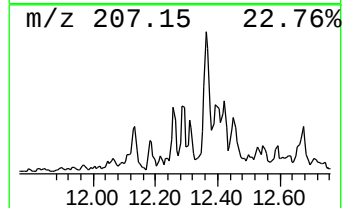
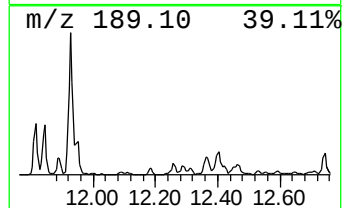
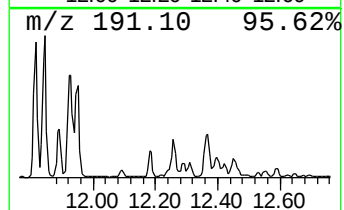
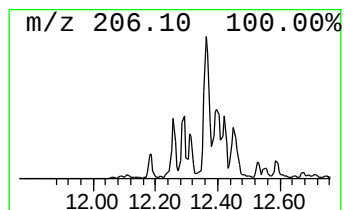
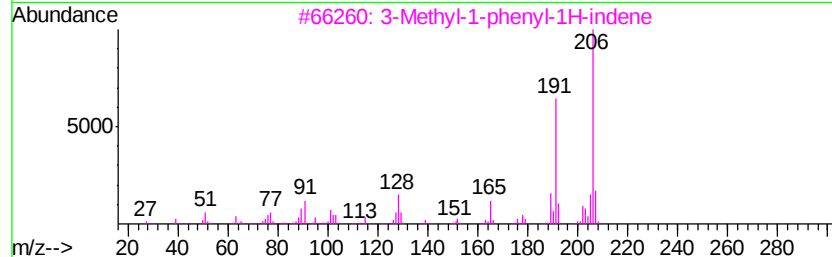
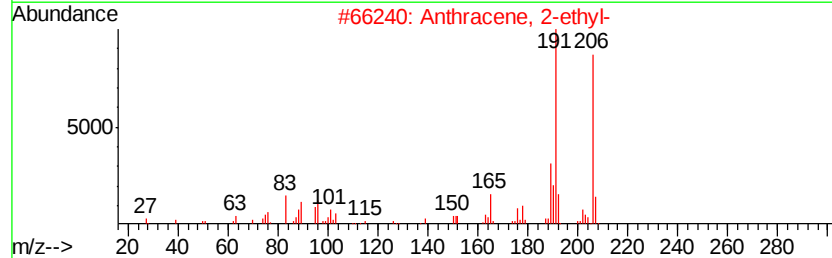
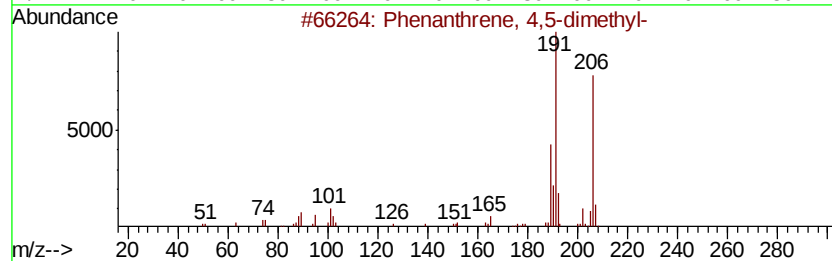
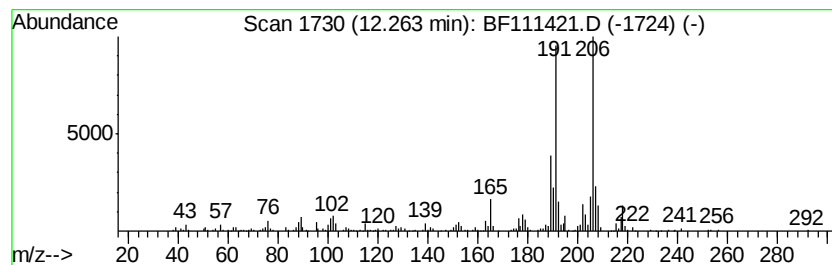
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.26	8.64 ng	583323	Phenanthrene-d10		11.32		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	87
4			Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	81
5			Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

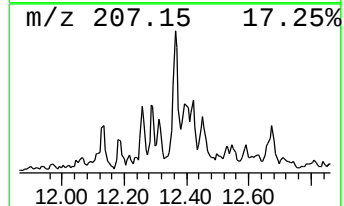
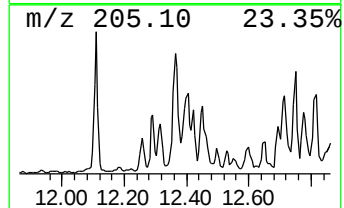
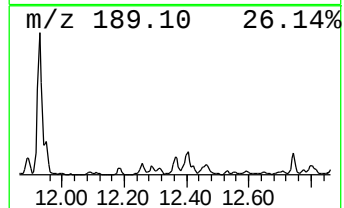
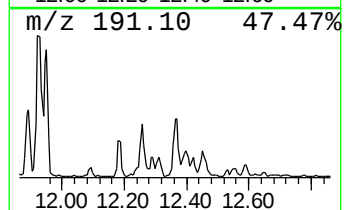
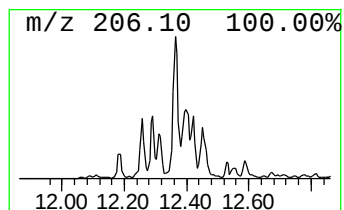
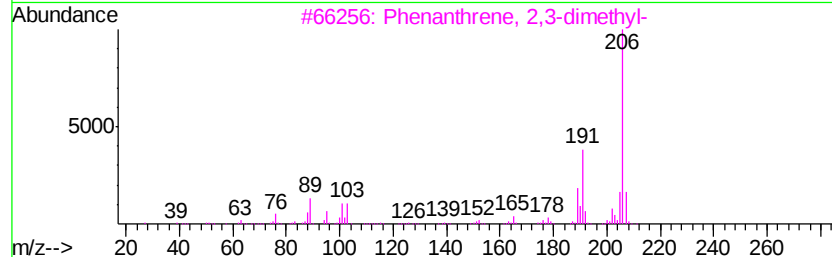
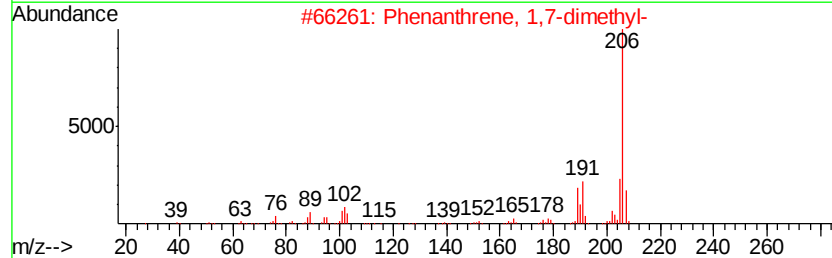
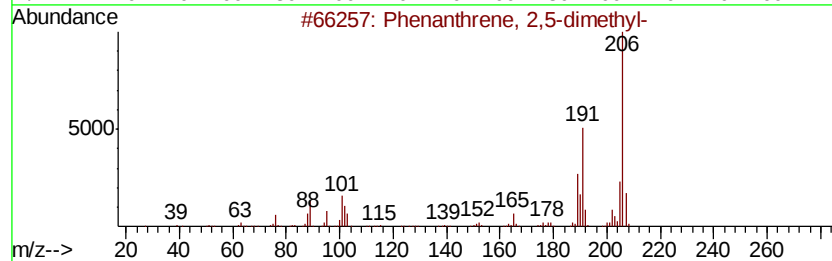
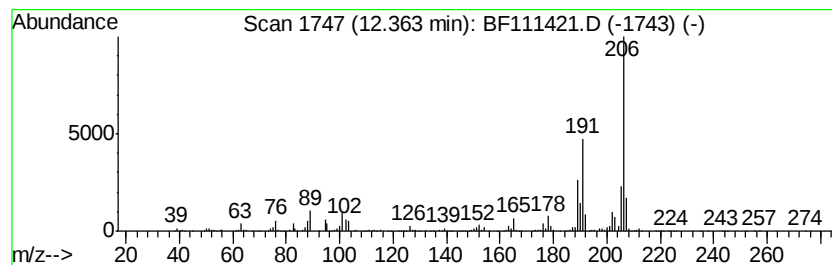
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.36	14.50 ng	978718	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
061_SW-N-1

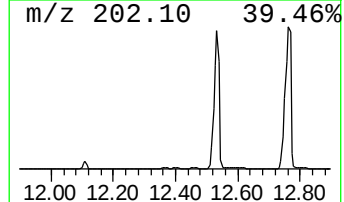
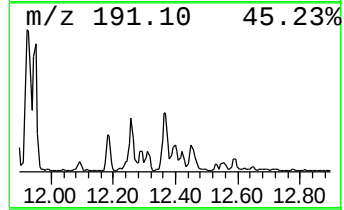
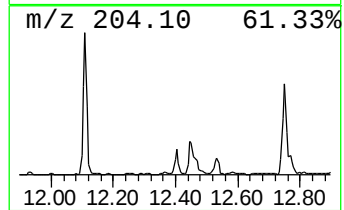
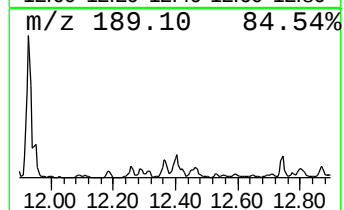
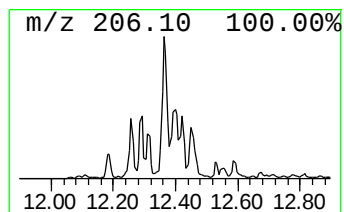
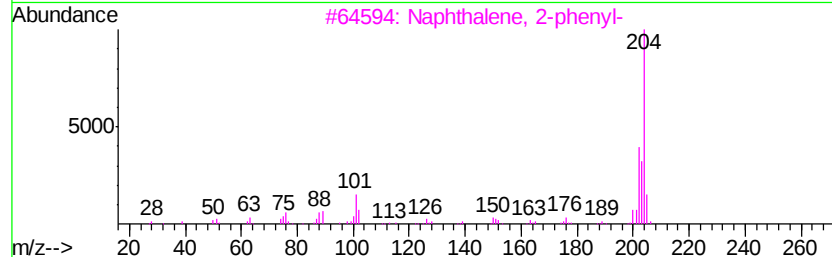
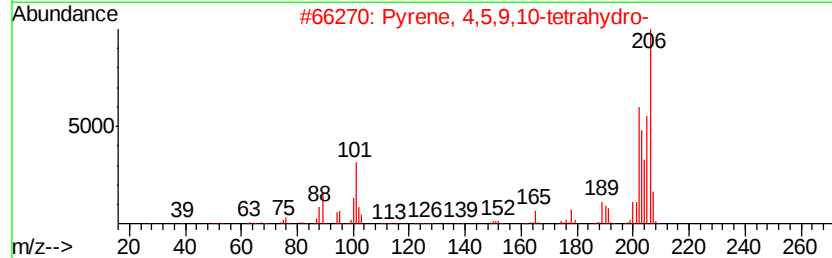
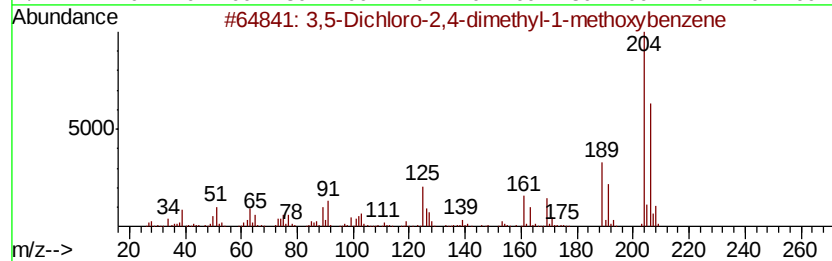
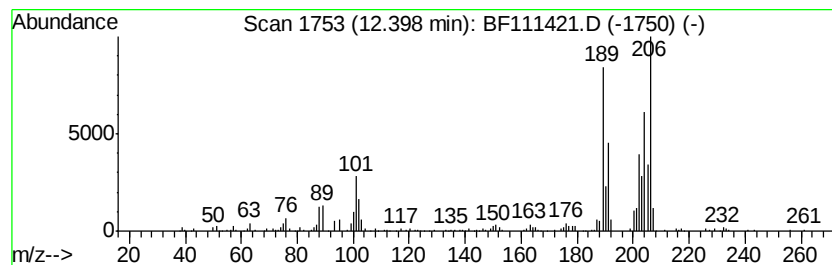
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.40 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	14.73 ng	994594	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
5		Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
061_SW-N-1

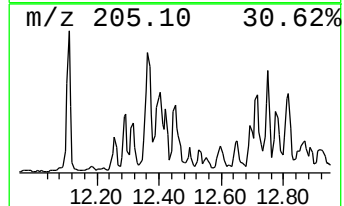
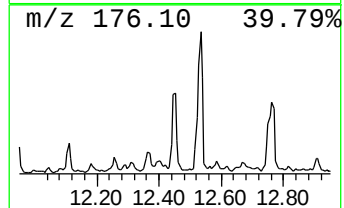
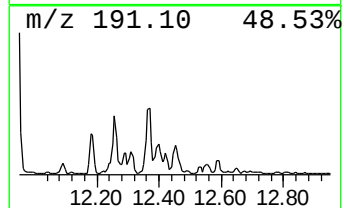
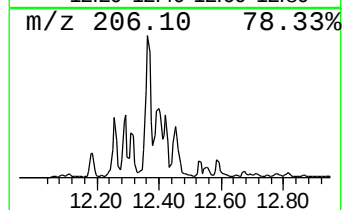
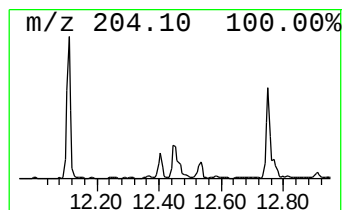
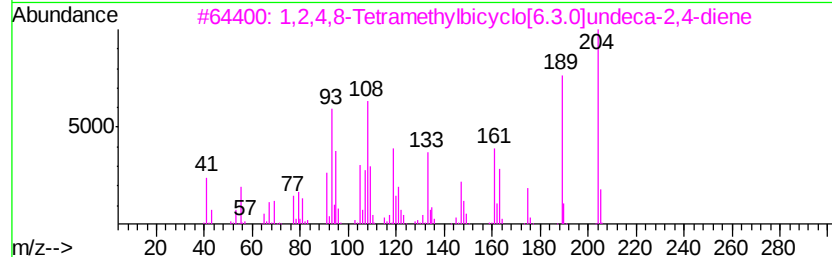
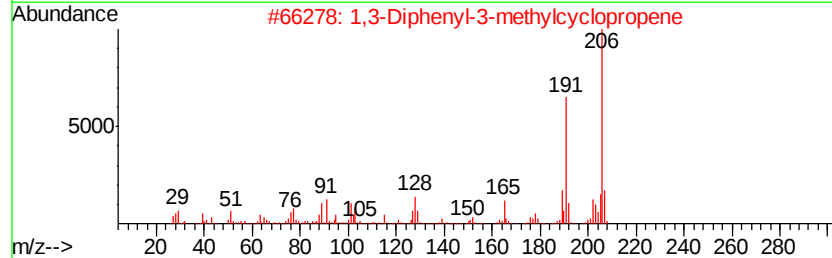
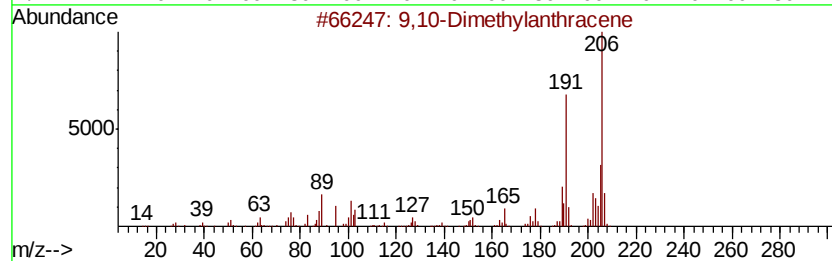
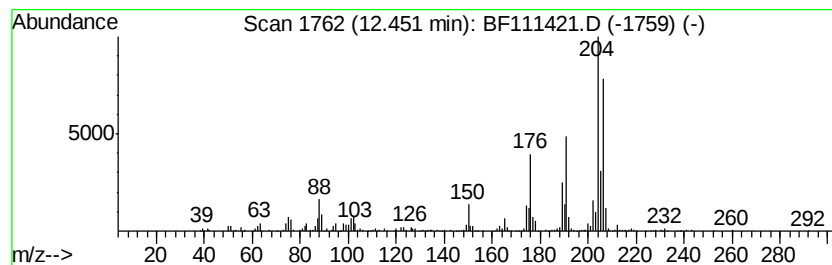
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Dimethylantracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	9.90 ng	668584	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	89
2			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
3			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
4			1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70
5			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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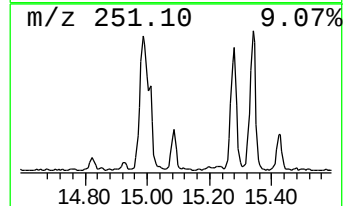
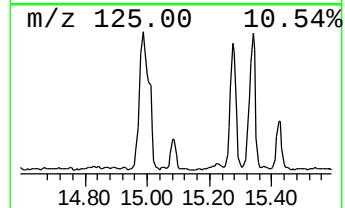
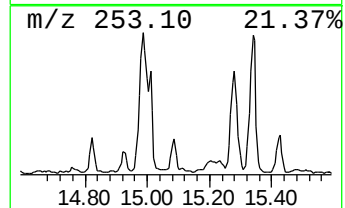
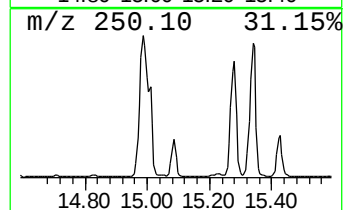
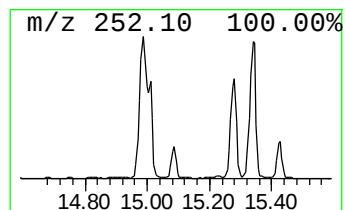
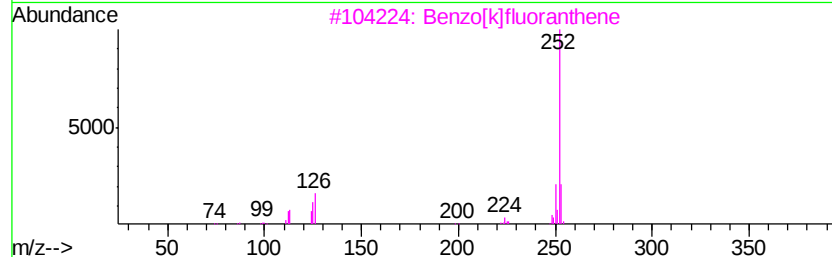
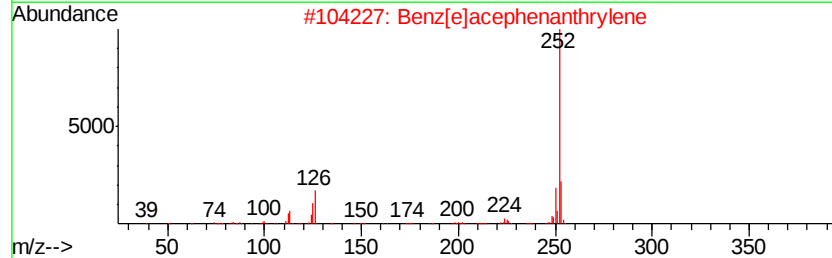
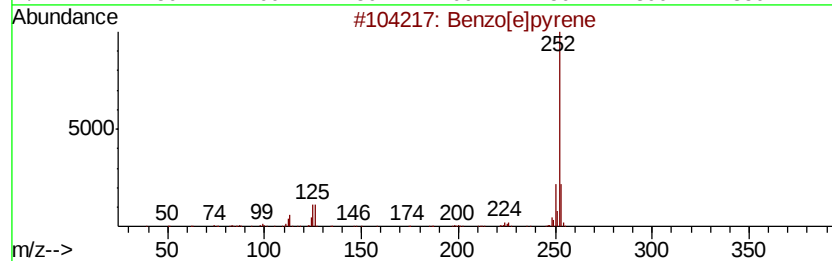
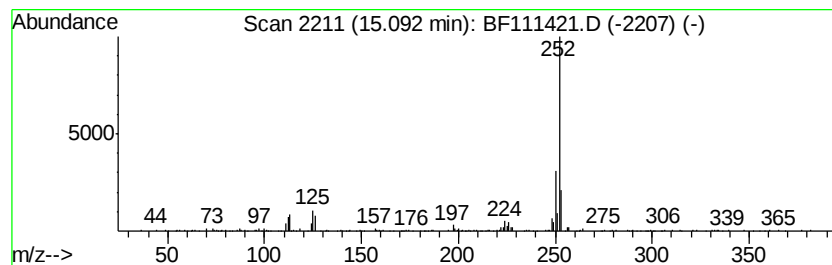
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	9.64 ng	490429	Perylene-d12	15.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121418\
Data File : BF111421.D
Acq On : 14 Dec 2018 16:22
Operator : JU/SJ
Sample : J6319-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.00	5.8	ng	344818	1	6.79	1188190	20.0
unknown6.57	6.57	76.5	ng	4543750	1	6.79	1188190	20.0
9H-Fluorene, 2-me...	10.92	7.1	ng	479679	4	11.32	1350000	20.0
Anthracene, 9-eth...	11.61	7.1	ng	477191	4	11.32	1350000	20.0
Anthracene, 2-met...	11.82	22.5	ng	1518650	4	11.32	1350000	20.0
Phenanthrene, 2-m...	11.85	32.4	ng	2189130	4	11.32	1350000	20.0
1H-Cyclopropa[1]p...	11.89	10.2	ng	687500	4	11.32	1350000	20.0
4H-Cyclopenta[def...	11.93	38.3	ng	2585820	4	11.32	1350000	20.0
Phenanthrene, 1-m...	11.95	14.2	ng	958780	4	11.32	1350000	20.0
9,10-Anthracenedione	12.13	7.3	ng	490784	4	11.32	1350000	20.0
Phenanthrene, 4,5...	12.26	8.6	ng	583323	4	11.32	1350000	20.0
Phenanthrene, 2,5...	12.36	14.5	ng	978718	4	11.32	1350000	20.0
unknown12.40	12.40	14.7	ng	994594	4	11.32	1350000	20.0
9,10-Dimethylanth...	12.45	9.9	ng	668584	4	11.32	1350000	20.0
Benzo[e]pyrene	15.09	9.6	ng	490429	6	15.40	1017090	20.0