

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020118\
 Data File : BF102697.D
 Acq On : 1 Feb 2018 20:15
 Operator : SJ/JU
 Sample : J1405-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-04(CB#3-LINE-BOTTOM@4)

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:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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	5.345	550	554	583	rBV2	147786	838155	15.69%	1.296%
2	6.381	726	730	744	rBV	183844	589819	11.04%	0.912%
3	6.487	744	748	763	rVB2	332074	736294	13.78%	1.139%
4	6.698	780	784	800	rBV	623657	844632	15.81%	1.306%
5	6.851	807	810	825	rBV	400955	564304	10.56%	0.873%
6	7.275	878	882	898	rBV	216057	432715	8.10%	0.669%
7	7.981	999	1002	1023	rVB2	1071173	1473857	27.59%	2.280%
8	8.698	1121	1124	1132	rBV	126382	156169	2.92%	0.242%
9	8.792	1137	1140	1153	rVB2	90154	143552	2.69%	0.222%
10	9.051	1181	1184	1194	rBV	928319	943830	17.67%	1.460%
11	9.328	1226	1231	1237	rBV	48709	83589	1.56%	0.129%
12	9.392	1238	1242	1245	rBV2	74661	88980	1.67%	0.138%
13	9.598	1270	1277	1281	rBV2	49355	70824	1.33%	0.110%
14	9.733	1290	1300	1303	rBV	1347100	1488155	27.85%	2.302%
15	9.763	1303	1305	1312	rVV	1105534	1036629	19.40%	1.603%
16	9.828	1312	1316	1322	rVB2	48035	82205	1.54%	0.127%
17	9.886	1322	1326	1329	rBV	85618	86164	1.61%	0.133%
18	9.939	1331	1335	1339	rVV	594573	575682	10.77%	0.890%
19	10.151	1368	1371	1378	rVB3	64507	78237	1.46%	0.121%
20	10.280	1389	1393	1399	rBV	1182489	1101608	20.62%	1.704%
21	10.345	1399	1404	1405	rBV3	92308	122075	2.28%	0.189%
22	10.363	1405	1407	1410	rVB2	162729	143305	2.68%	0.222%
23	10.433	1417	1419	1426	rVB	151476	170068	3.18%	0.263%
24	10.527	1430	1435	1440	rBV2	564473	734613	13.75%	1.136%
25	10.622	1448	1451	1456	rBV4	92744	131107	2.45%	0.203%
26	10.710	1463	1466	1470	rBV	134235	122033	2.28%	0.189%
27	10.827	1483	1486	1489	rVV	186849	220497	4.13%	0.341%
28	10.857	1489	1491	1494	rVV	97249	100990	1.89%	0.156%
29	10.910	1497	1500	1502	rVV2	74909	66932	1.25%	0.104%
30	10.951	1502	1507	1509	rVV3	65542	98528	1.84%	0.152%
31	10.975	1509	1511	1517	rVV2	88745	113406	2.12%	0.175%
32	11.033	1518	1521	1524	rVV	79036	90975	1.70%	0.141%
33	11.075	1524	1528	1531	rVV2	528382	519585	9.72%	0.804%
34	11.116	1531	1535	1542	rVB	401064	425468	7.96%	0.658%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.222	1549	1553	1555	rBV	1298194	1437262	26.90%	2.223%
36	11.251	1555	1558	1562	rVV	4545444	5271647	98.67%	8.154%
37	11.298	1562	1566	1570	rVV	1683683	1642179	30.74%	2.540%
38	11.339	1570	1573	1578	rVB	184386	222852	4.17%	0.345%
39	11.445	1588	1591	1592	rBV	201513	173476	3.25%	0.268%
40	11.469	1592	1595	1598	rVB	821041	802727	15.02%	1.242%
41	11.551	1604	1609	1611	rBV3	133097	179775	3.36%	0.278%
42	11.633	1620	1623	1628	rVB2	115489	138164	2.59%	0.214%
43	11.722	1634	1638	1640	rBV	669733	609679	11.41%	0.943%
44	11.751	1640	1643	1648	rVV	858827	850234	15.91%	1.315%
45	11.798	1648	1651	1654	rVB	308793	255980	4.79%	0.396%
46	11.833	1654	1657	1659	rBV	1175014	1148474	21.50%	1.776%
47	11.857	1659	1661	1666	rVB	432892	403105	7.54%	0.624%
48	11.910	1666	1670	1673	rBV3	113296	174034	3.26%	0.269%
49	11.951	1673	1677	1682	rVB4	134951	192172	3.60%	0.297%
50	12.016	1682	1688	1692	rBV	514633	608476	11.39%	0.941%
51	12.057	1692	1695	1698	rVB3	228690	242751	4.54%	0.375%
52	12.121	1703	1706	1708	rBV2	71151	85003	1.59%	0.131%
53	12.163	1711	1713	1716	rVB	152778	107714	2.02%	0.167%
54	12.198	1716	1719	1721	rBV	160215	145590	2.72%	0.225%
55	12.222	1721	1723	1727	rVB	170397	149644	2.80%	0.231%
56	12.269	1728	1731	1734	rBV	419576	452448	8.47%	0.700%
57	12.369	1743	1748	1750	rBV2	175227	229438	4.29%	0.355%
58	12.392	1750	1752	1755	rVB	182843	165576	3.10%	0.256%
59	12.445	1755	1761	1764	rBV	4353316	5063216	94.77%	7.832%
60	12.474	1764	1766	1768	rVV	138686	144204	2.70%	0.223%
61	12.504	1768	1771	1774	rVB2	91304	101397	1.90%	0.157%
62	12.586	1782	1785	1788	rBV	329324	320086	5.99%	0.495%
63	12.616	1788	1790	1793	rVB2	127313	94915	1.78%	0.147%
64	12.674	1793	1800	1804	rBV2	3712328	5342805	100.00%	8.264%
65	12.716	1804	1807	1811	rVB2	370893	384762	7.20%	0.595%
66	12.798	1814	1821	1824	rBV2	872869	1221778	22.87%	1.890%
67	12.827	1824	1826	1830	rVB	278642	321938	6.03%	0.498%
68	12.886	1830	1836	1840	rBV2	311181	580387	10.86%	0.898%
69	12.927	1840	1843	1846	rBV2	160615	176735	3.31%	0.273%
70	12.992	1846	1854	1857	rBV2	917568	1195435	22.37%	1.849%
71	13.057	1862	1865	1868	rVV	772936	690512	12.92%	1.068%

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72	13.098	1868	1872	1879	rVV3	430340	695934	13.03%	1.076%
73	13.186	1885	1887	1890	rBV	269431	236723	4.43%	0.366%
74	13.221	1890	1893	1896	rBV2	308093	337762	6.32%	0.522%
75	13.416	1924	1926	1928	rVB	182117	125610	2.35%	0.194%
76	13.510	1939	1942	1945	rVB	171337	162196	3.04%	0.251%
77	13.616	1957	1960	1962	rBV	266962	244198	4.57%	0.378%
78	13.639	1962	1964	1966	rVB	250985	199393	3.73%	0.308%
79	13.668	1966	1969	1970	rBV	298976	306155	5.73%	0.474%
80	13.857	1997	2001	2005	rBV2	1756260	2846042	53.27%	4.402%
81	13.892	2005	2007	2013	rVB	1727075	1829938	34.25%	2.830%
82	13.968	2018	2020	2023	rBV	366408	297325	5.56%	0.460%
83	14.074	2035	2038	2041	rBV2	213305	268319	5.02%	0.415%
84	14.104	2041	2043	2046	rVV	160956	160393	3.00%	0.248%
85	14.215	2059	2062	2063	rBV	117428	113324	2.12%	0.175%
86	14.251	2063	2068	2071	rVV2	320201	418118	7.83%	0.647%
87	14.374	2087	2089	2091	rBV	150992	158054	2.96%	0.244%
88	14.398	2091	2093	2096	rVB2	260105	235269	4.40%	0.364%
89	14.574	2120	2123	2125	rBV2	143142	169141	3.17%	0.262%
90	14.739	2148	2151	2153	rBV	145835	143992	2.70%	0.223%
91	14.892	2172	2177	2180	rBV	1373698	2263788	42.37%	3.502%
92	14.992	2191	2194	2197	rBV	285583	313023	5.86%	0.484%
93	15.180	2222	2226	2229	rBV	842795	1027750	19.24%	1.590%
94	15.239	2232	2236	2242	rVV	1195517	1562937	29.25%	2.418%
95	15.298	2242	2246	2249	rVV	554407	710831	13.30%	1.099%
96	15.327	2249	2251	2257	rVB2	440506	516110	9.66%	0.798%
97	15.904	2345	2349	2355	rVB2	256249	442424	8.28%	0.684%
98	16.298	2413	2416	2425	rVB2	222591	403032	7.54%	0.623%
99	16.704	2478	2485	2490	rVB	708714	1322987	24.76%	2.046%
100	17.127	2550	2557	2570	rVB	594491	1338380	25.05%	2.070%

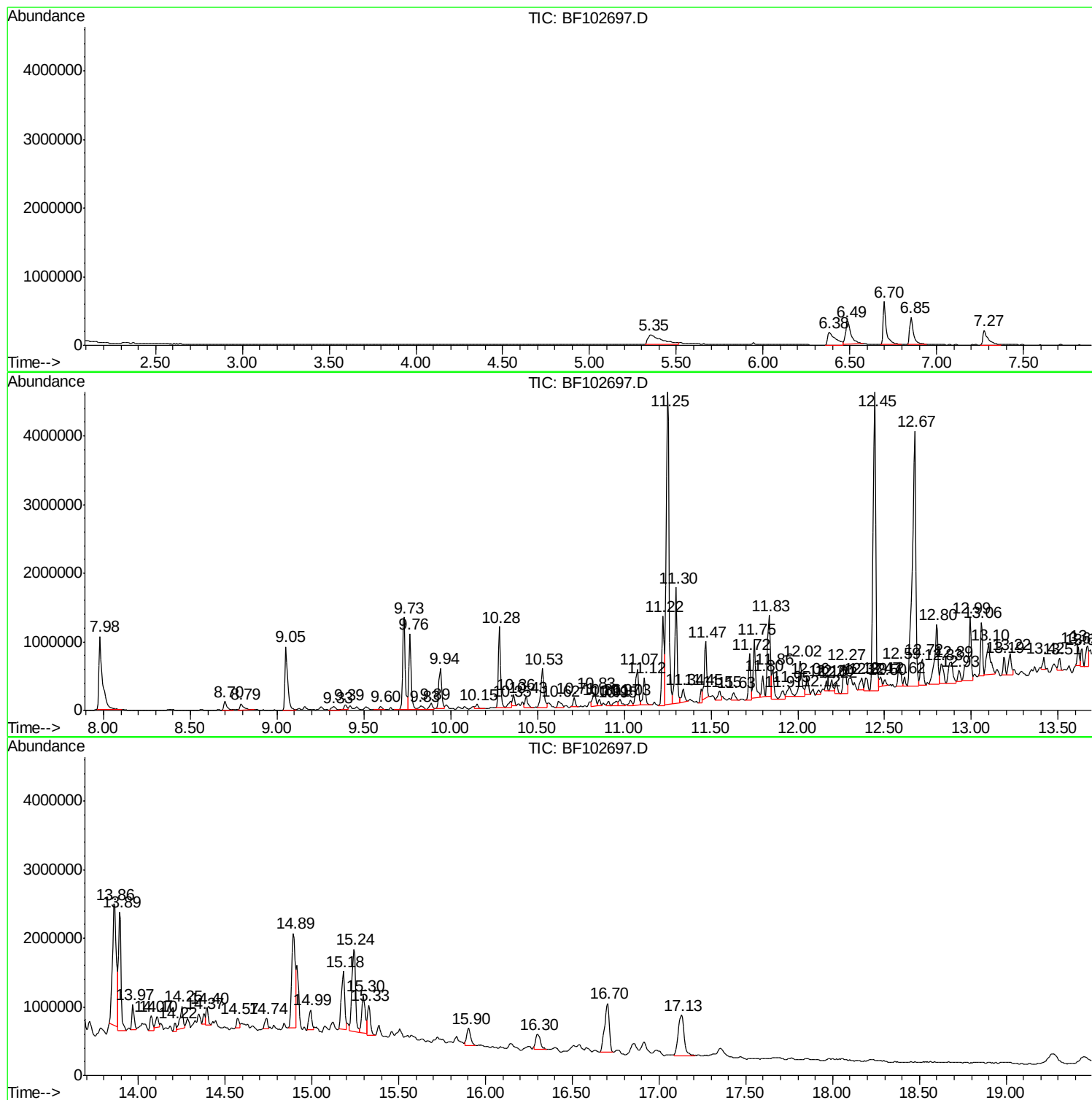
Sum of corrected areas: 64650700

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.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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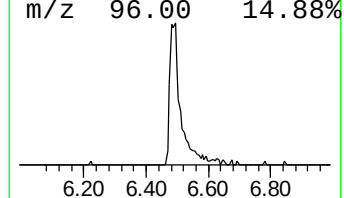
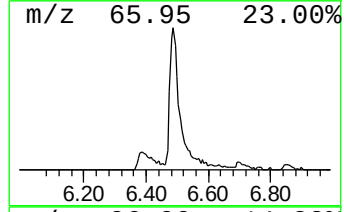
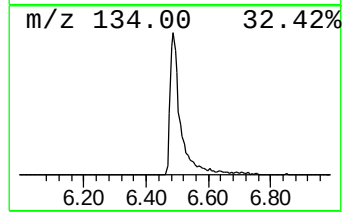
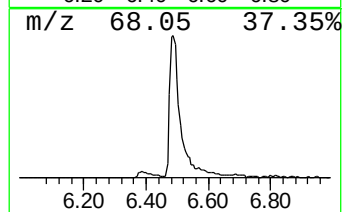
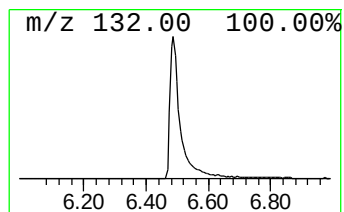
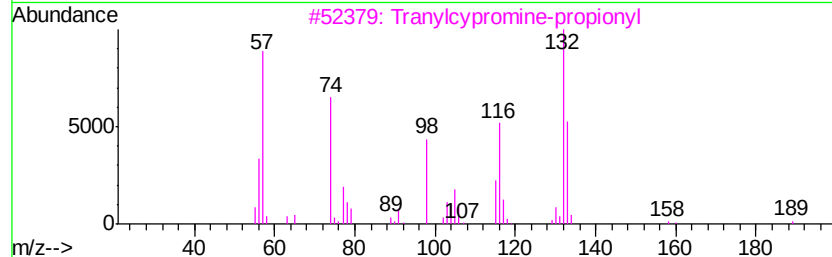
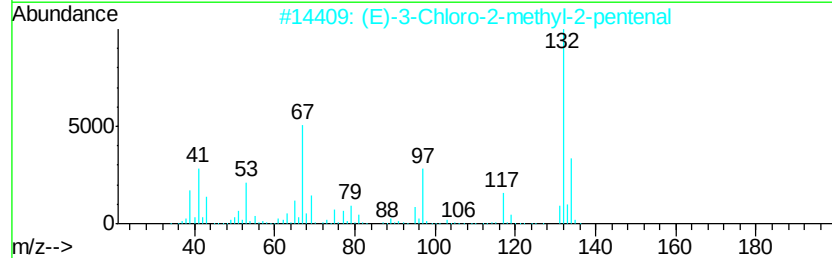
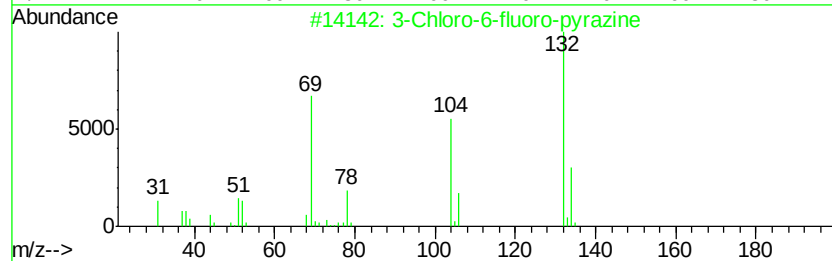
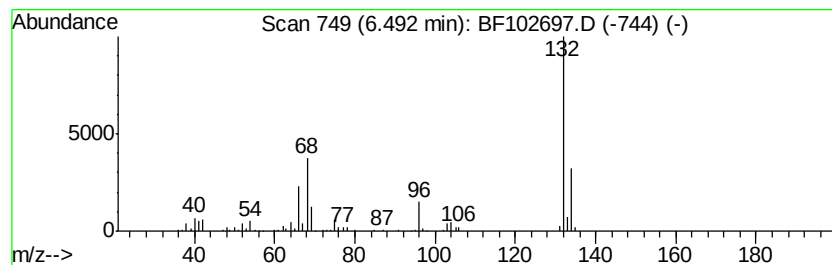
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	17.43 ng	736294	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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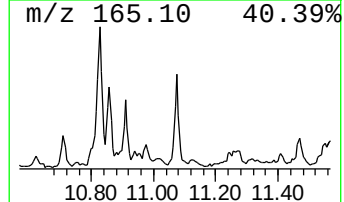
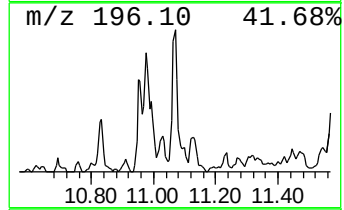
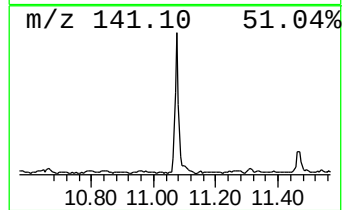
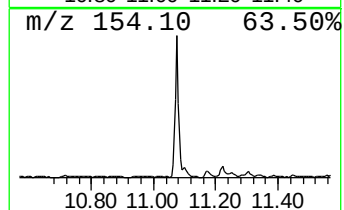
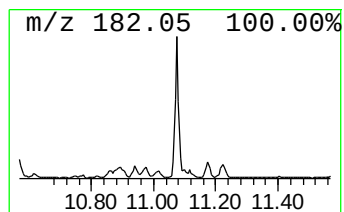
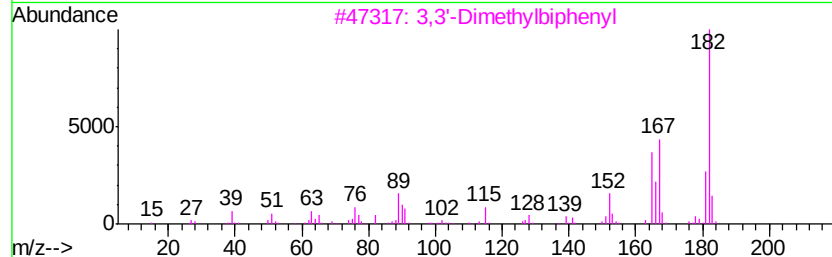
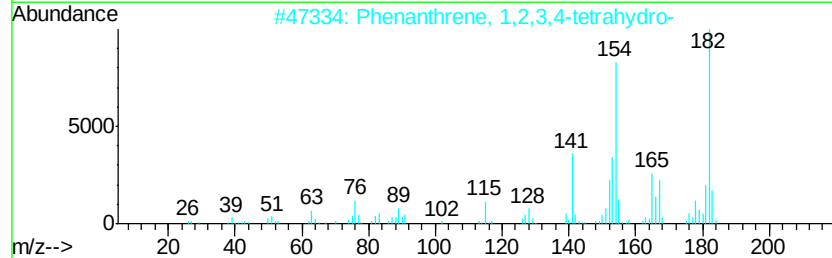
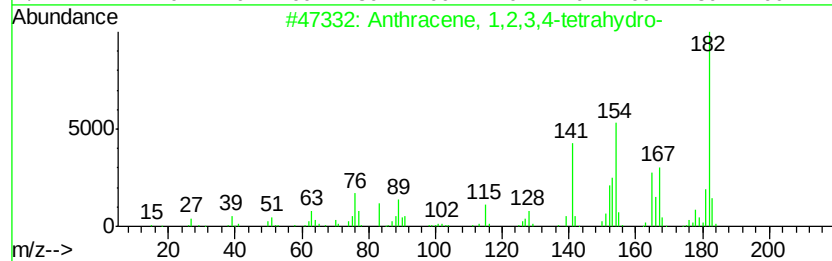
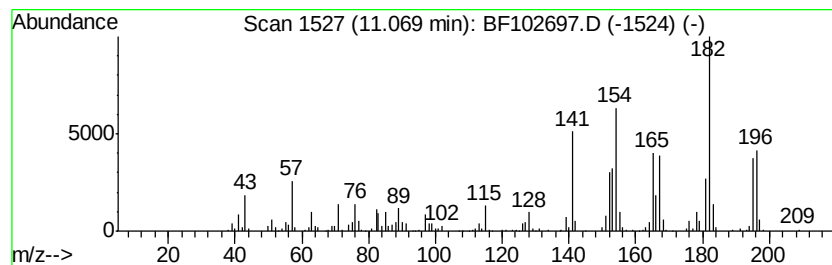
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.07	7.23 ng	519585	Phenanthrene-d10		11.22	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	90
3		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
4		Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
5		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50



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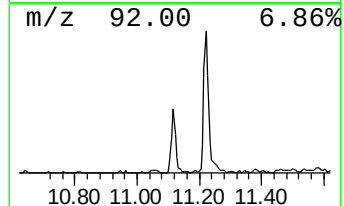
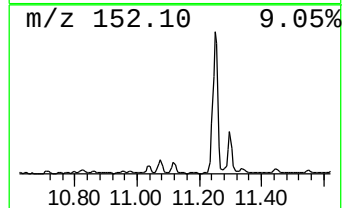
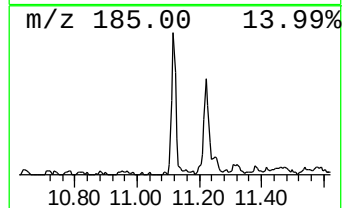
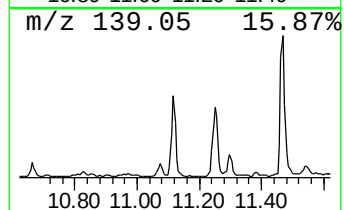
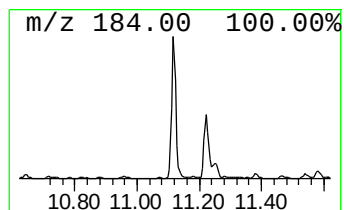
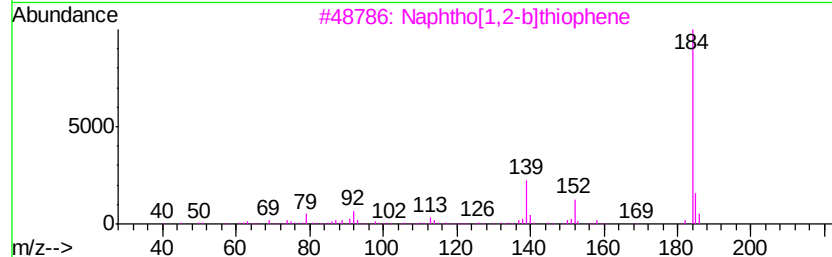
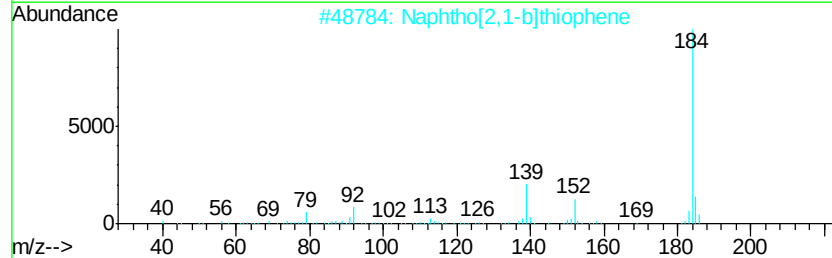
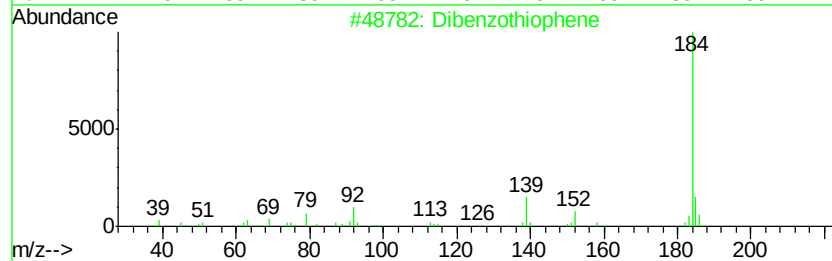
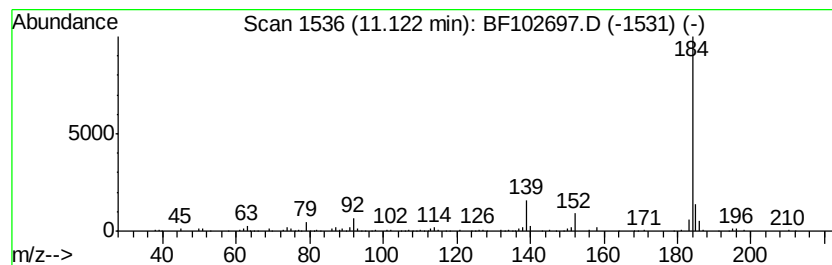
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.12	5.92 ng	425468	Phenanthrene-d10		11.22
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
Data File : BF102697.D
Acq On : 1 Feb 2018 20:15
Operator : SJ/JU
Sample : J1405-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

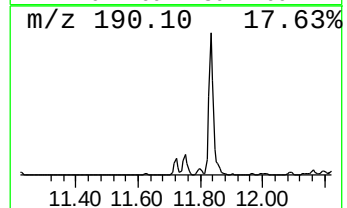
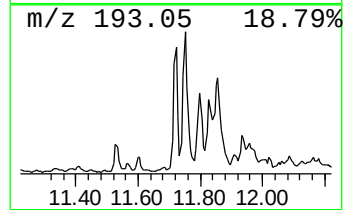
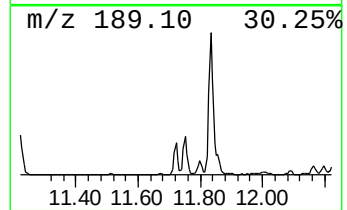
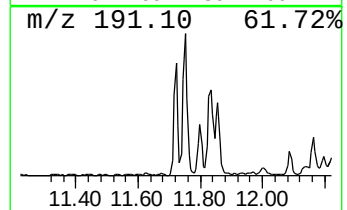
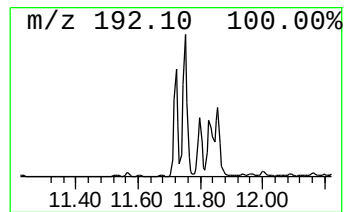
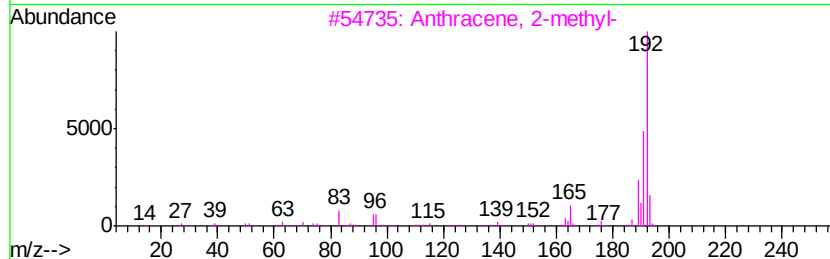
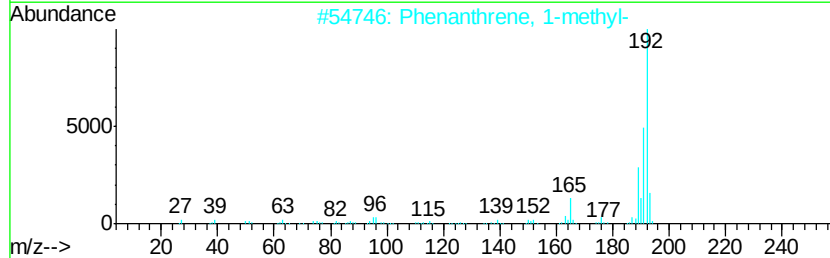
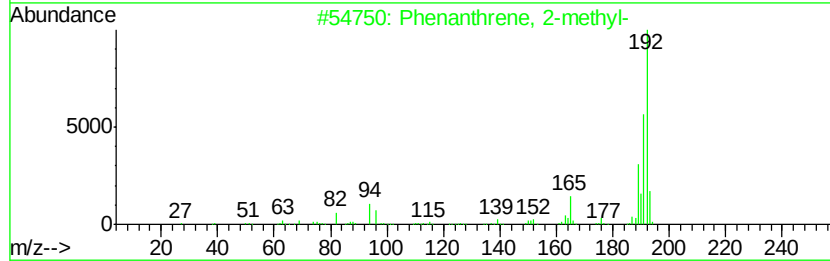
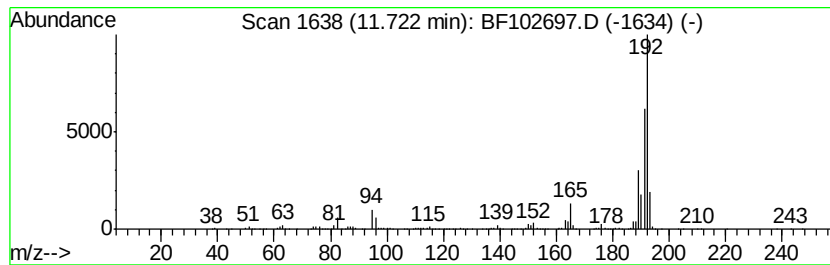
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.72	8.48 ng	609679	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
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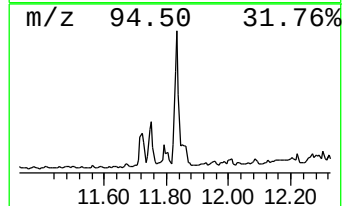
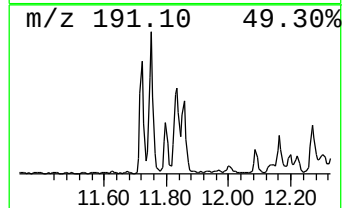
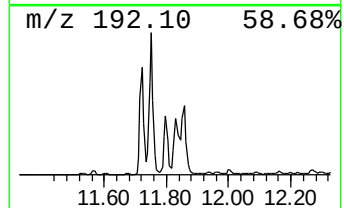
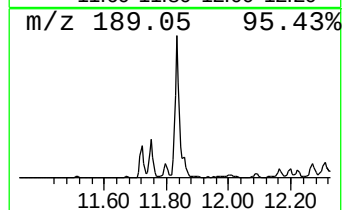
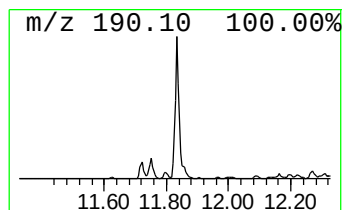
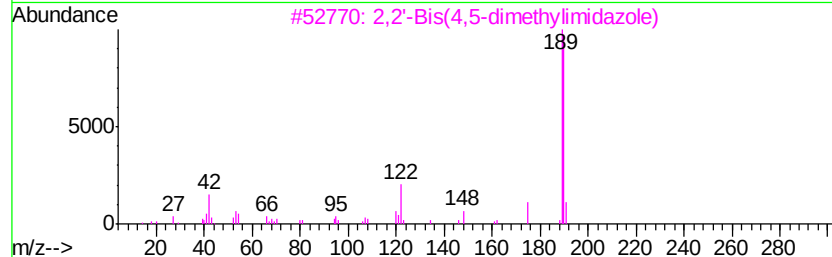
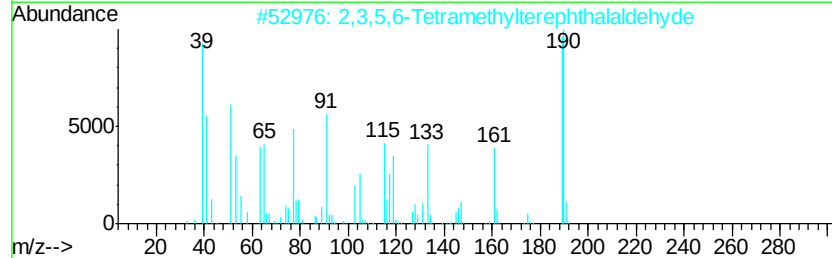
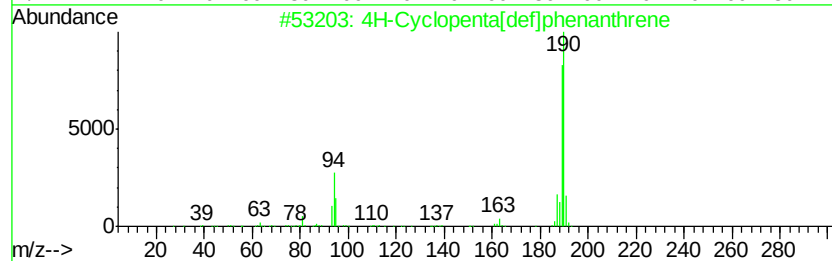
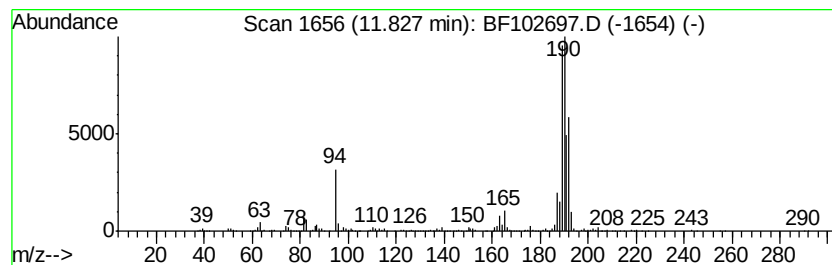
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	15.98 ng	1148470	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	17
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
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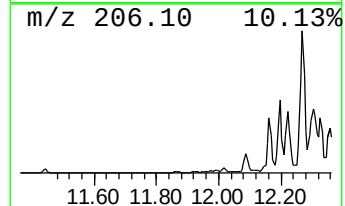
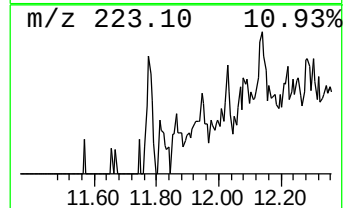
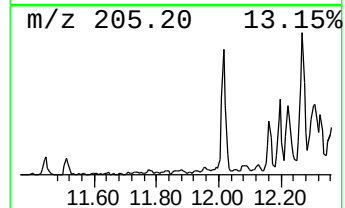
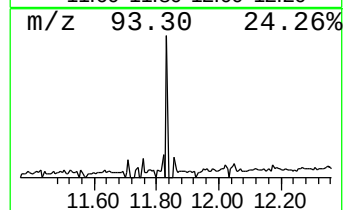
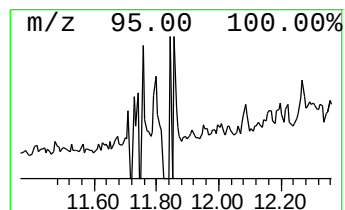
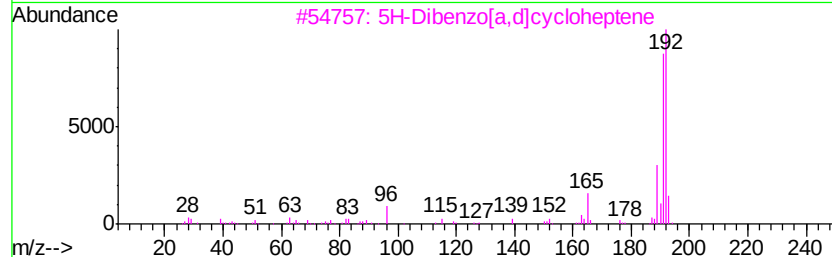
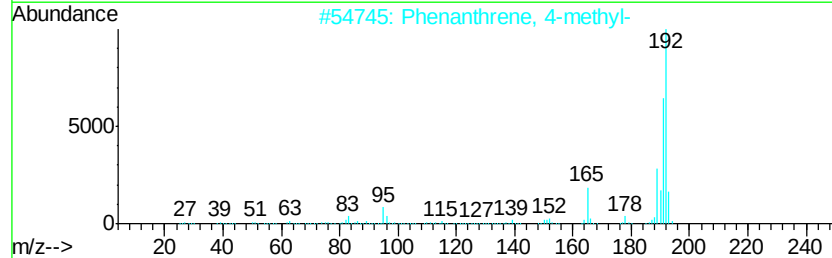
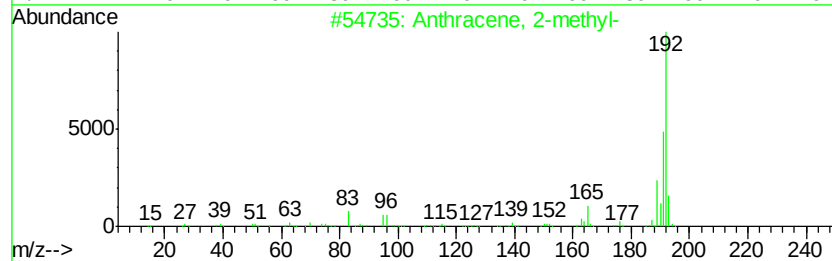
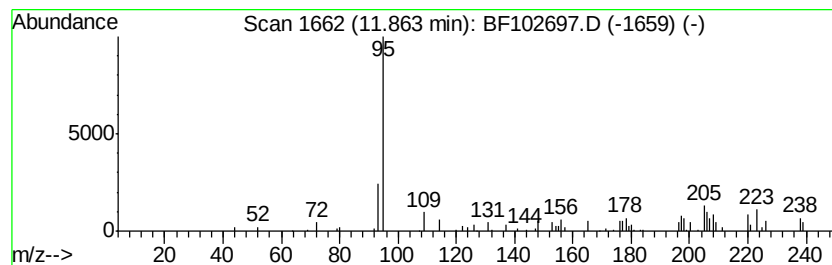
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	5.61 ng	403105	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
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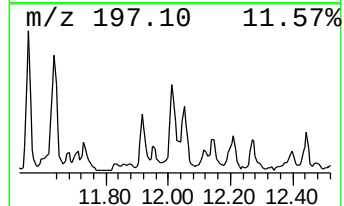
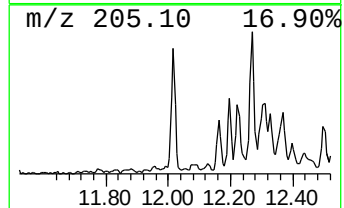
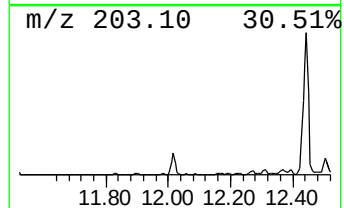
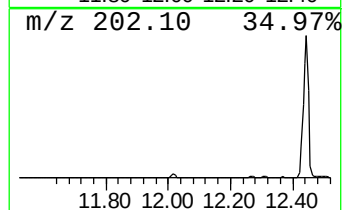
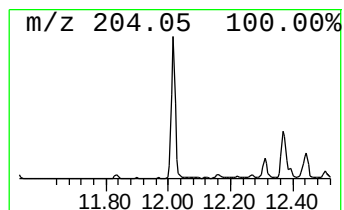
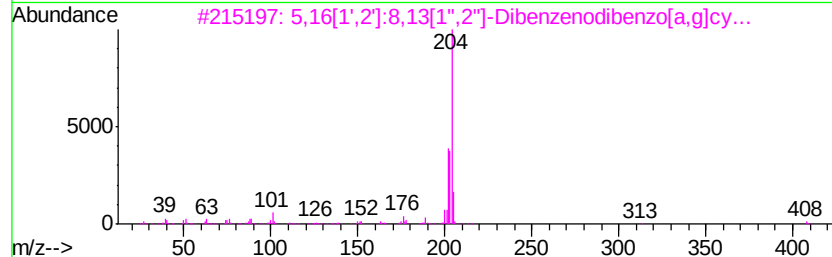
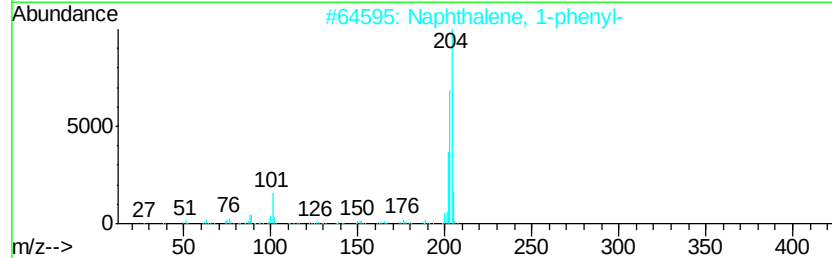
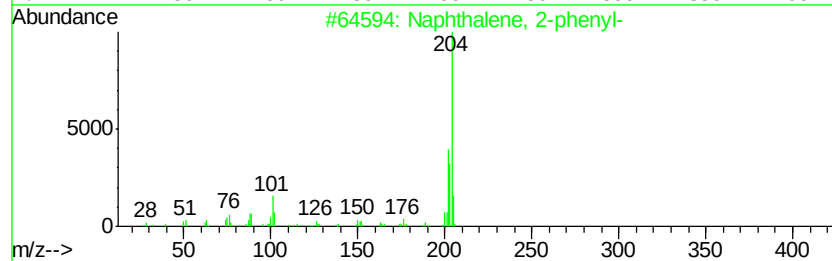
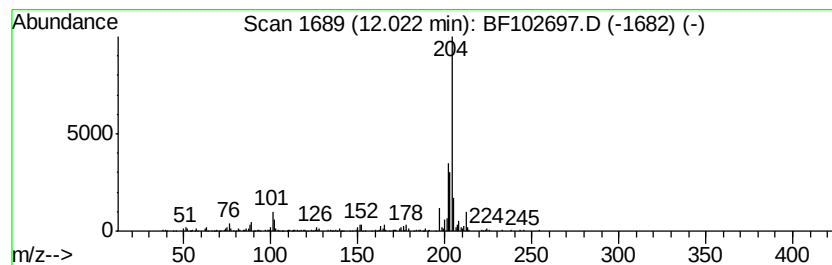
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TP-04(CB#3-LINE-BOTTOM@4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.02	8.47 ng	608476	Phenanthrene-d10	11.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3		5,16[1',2'l:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020118\
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Sample : J1405-02 5X
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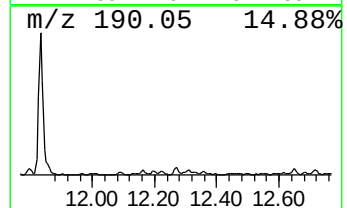
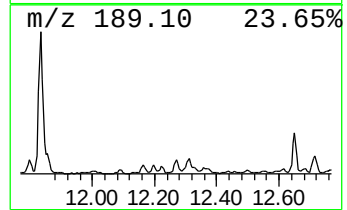
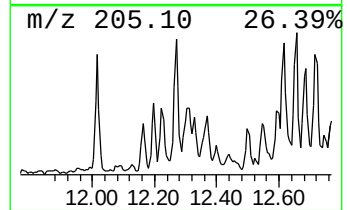
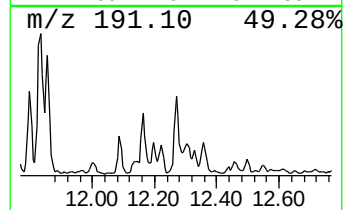
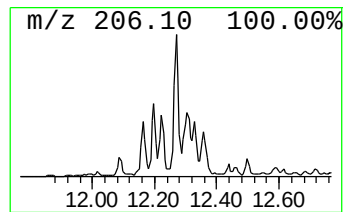
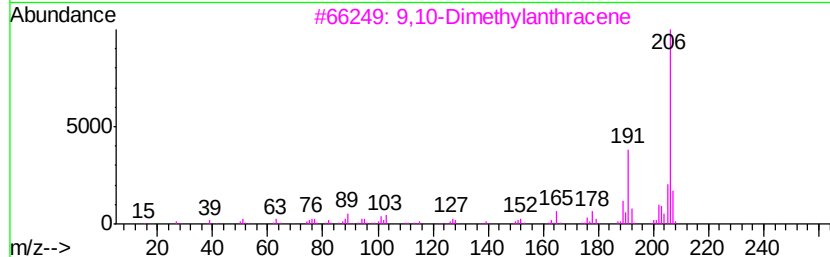
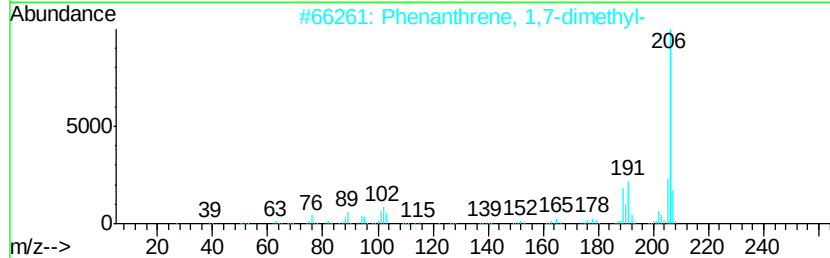
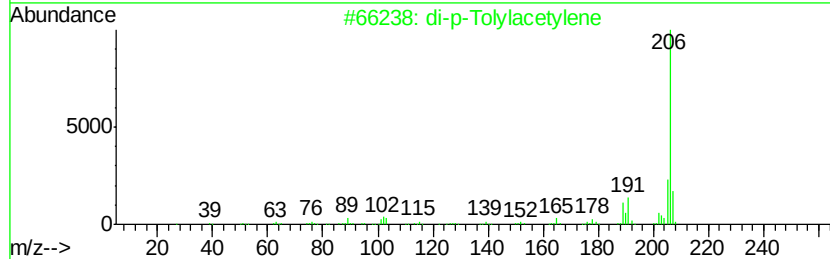
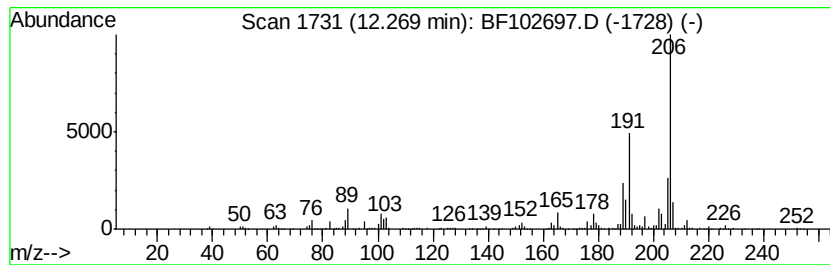
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	6.30 ng	452448	Phenanthrene-d10	11.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	90
4			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
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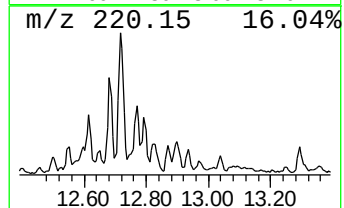
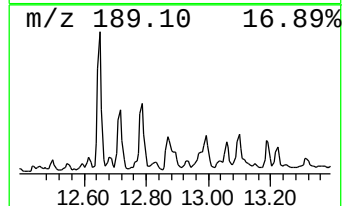
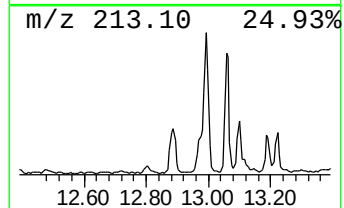
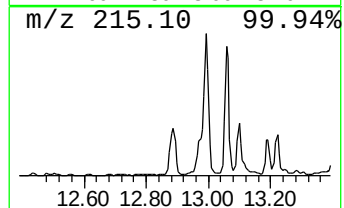
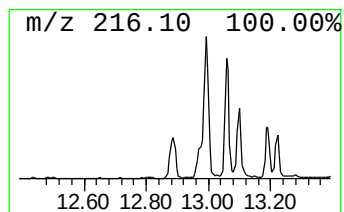
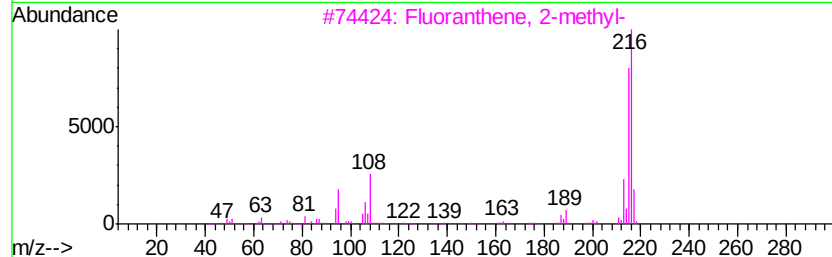
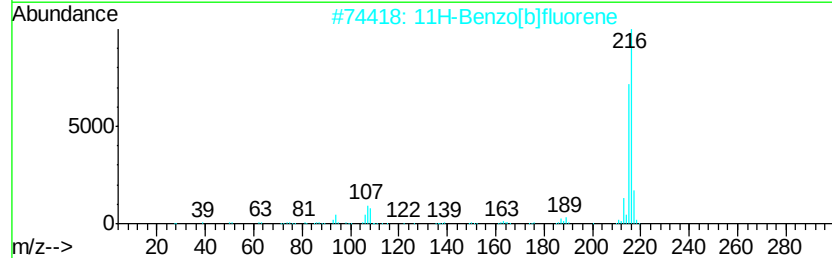
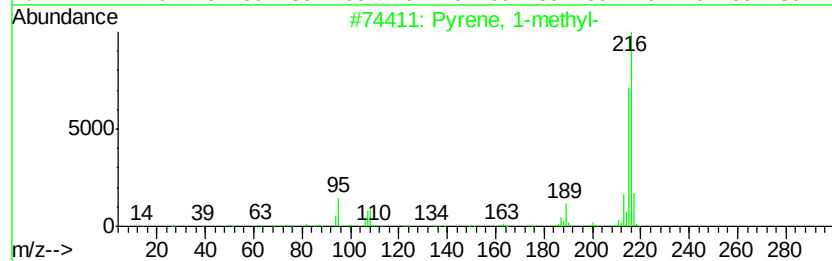
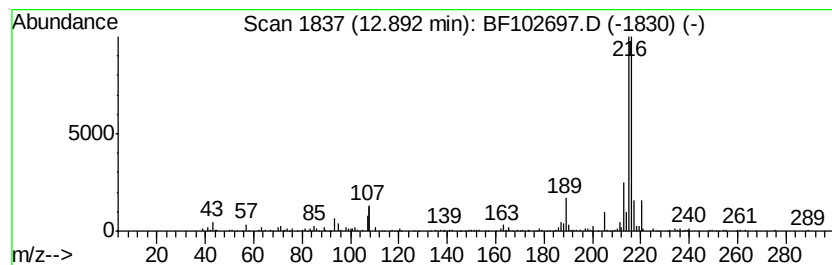
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.89	4.08 ng	580387	Chrysene-d12		13.87
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
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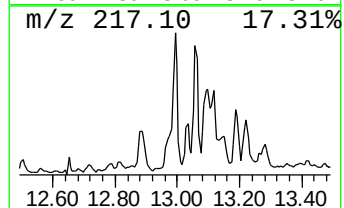
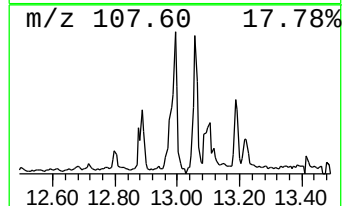
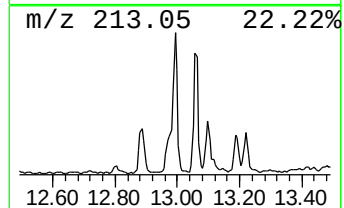
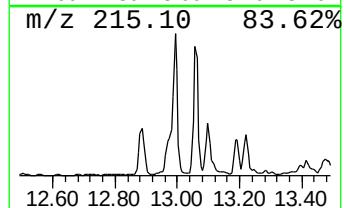
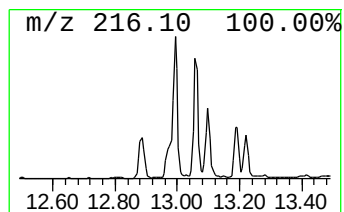
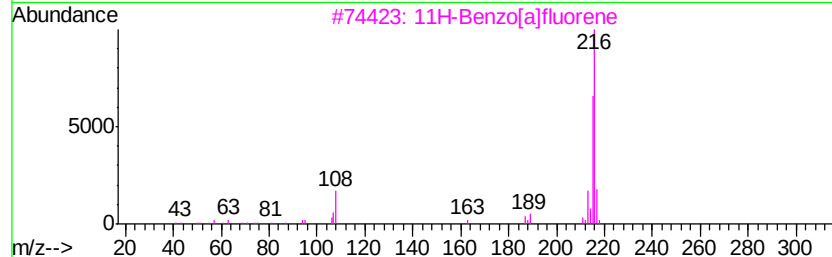
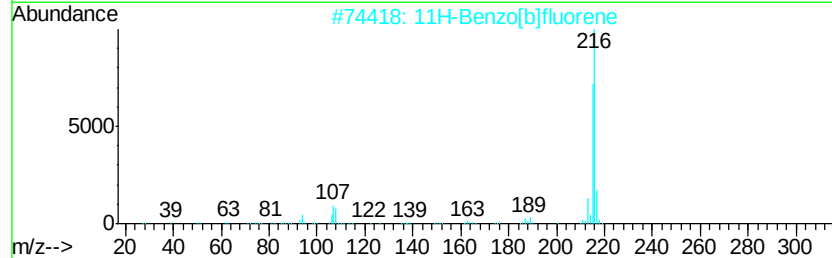
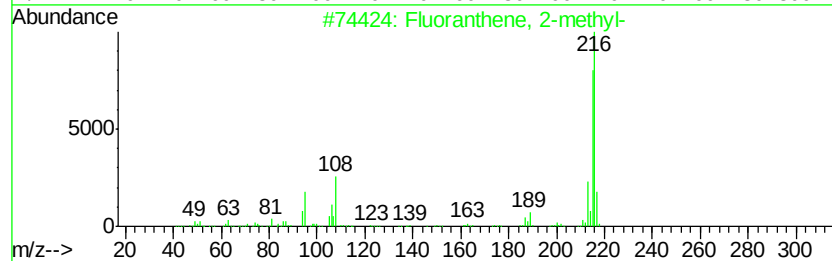
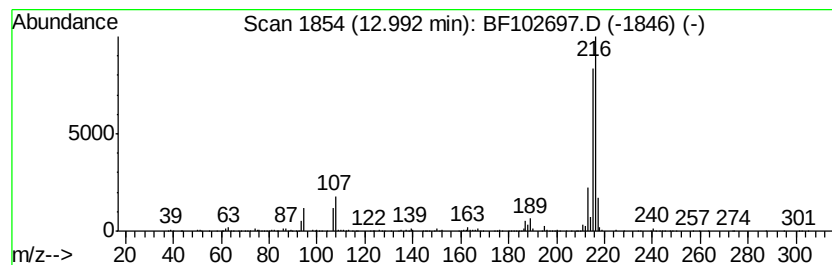
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ClientSampleId :
TP-04(CB#3-LINE-BOTTOM@4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	8.40 ng	1195440	Chrysene-d12	13.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020118\
Data File : BF102697.D
Acq On : 1 Feb 2018 20:15
Operator : SJ/JU
Sample : J1405-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

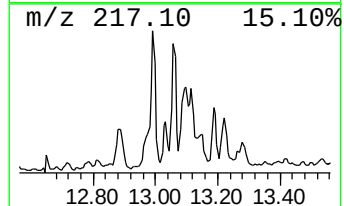
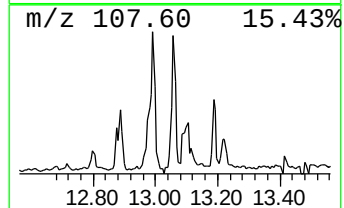
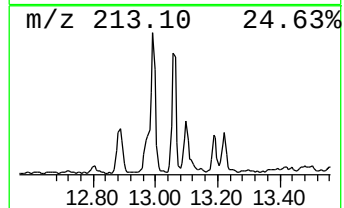
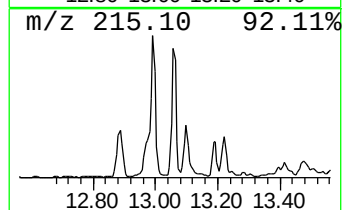
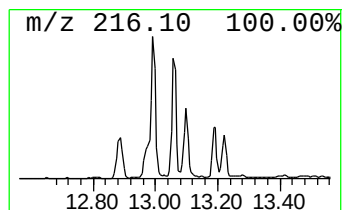
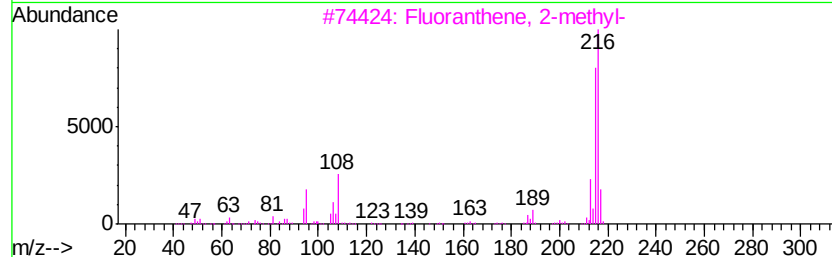
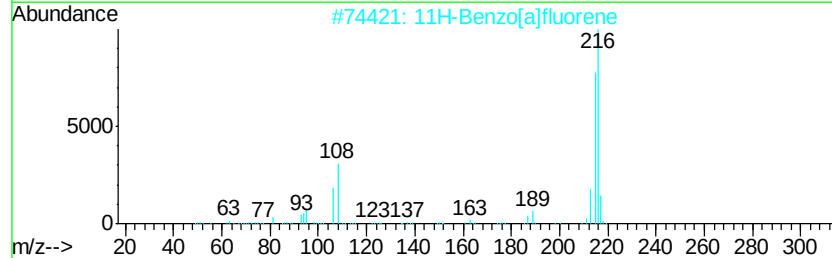
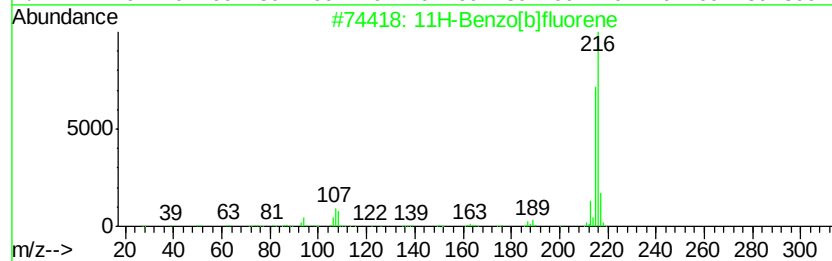
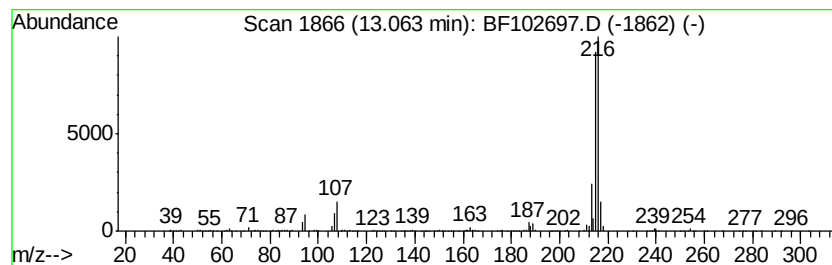
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ClientSampleId :
TP-04(CB#3-LINE-BOTTOM@4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.06	4.85 ng	690512	Chrysene-d12	13.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
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Sample : J1405-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

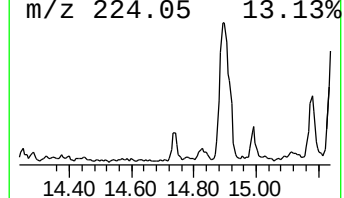
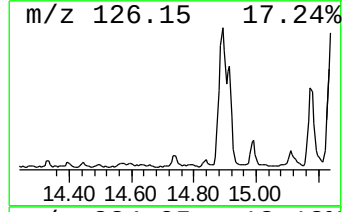
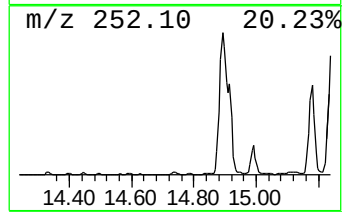
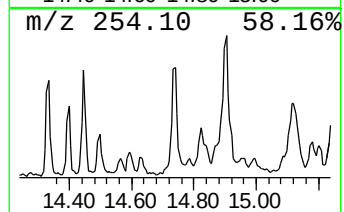
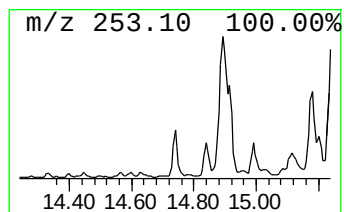
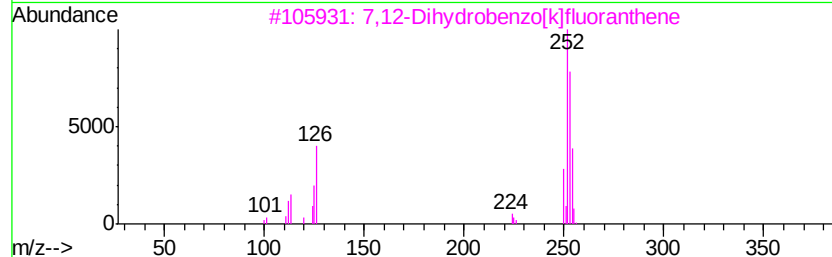
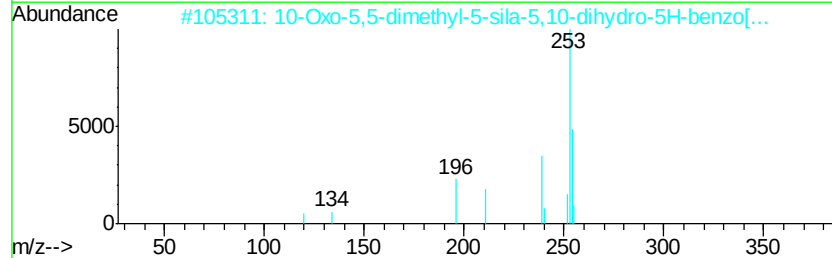
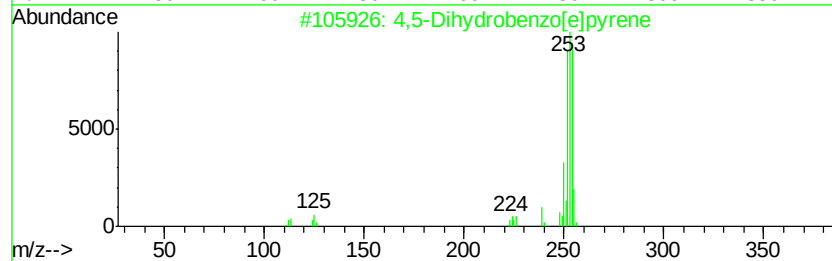
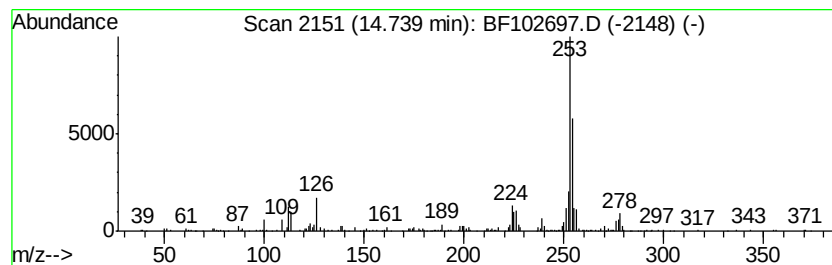
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ClientSampleId :
TP-04(CB#3-LINE-BOTTOM@4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4,5-Dihydrobenzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.74	4.05 ng	143992	Perylene-d12	15.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
2	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	59
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
5	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
Data File : BF102697.D
Acq On : 1 Feb 2018 20:15
Operator : SJ/JU
Sample : J1405-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-04(CB#3-LINE-BOTTOM@4)

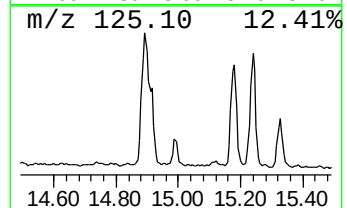
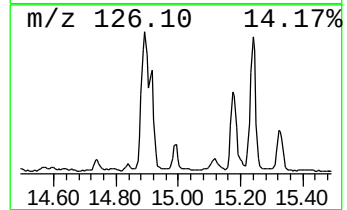
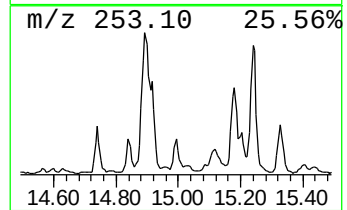
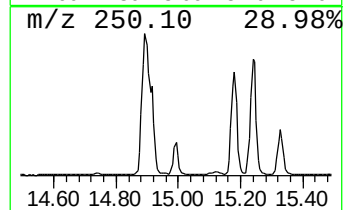
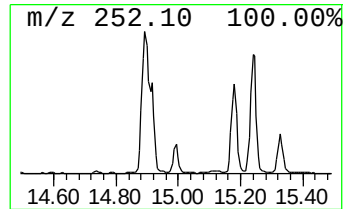
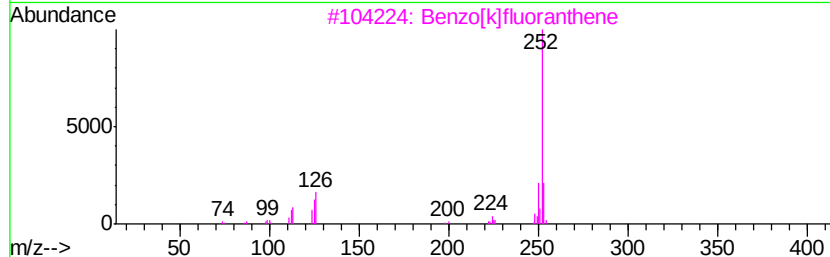
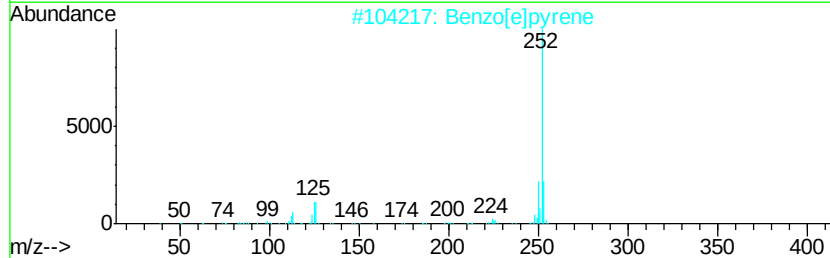
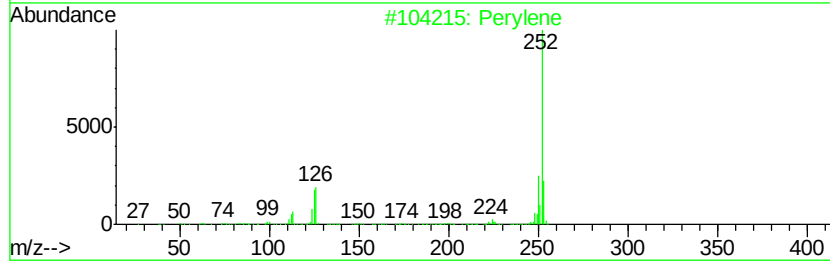
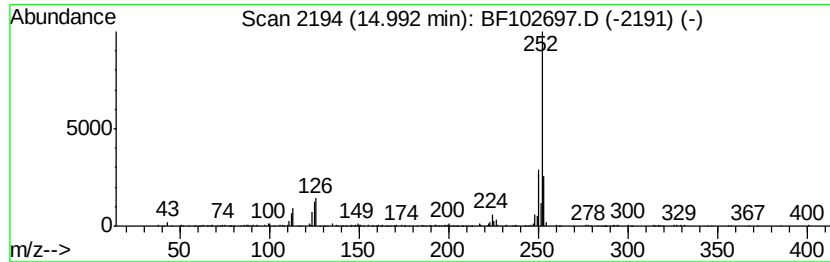
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	8.81 ng	313023	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	96
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020118\
Data File : BF102697.D
Acq On : 1 Feb 2018 20:15
Operator : SJ/JU
Sample : J1405-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

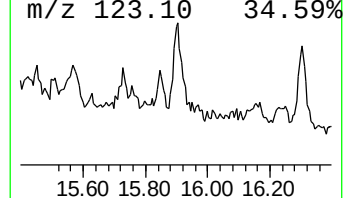
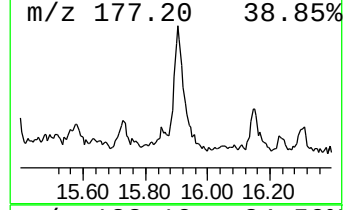
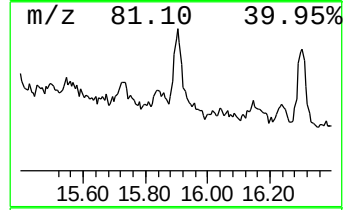
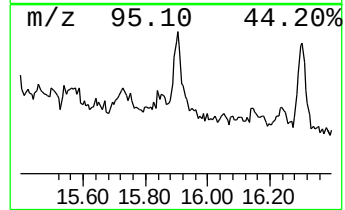
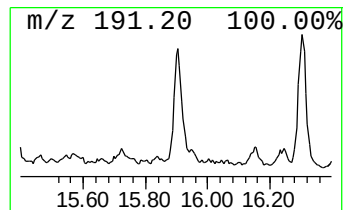
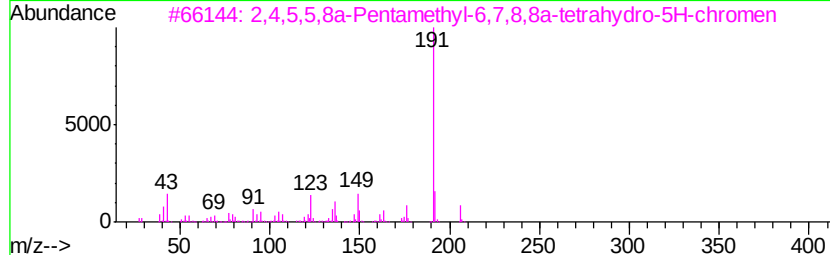
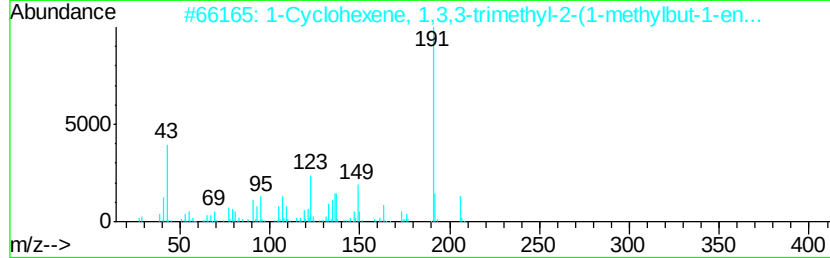
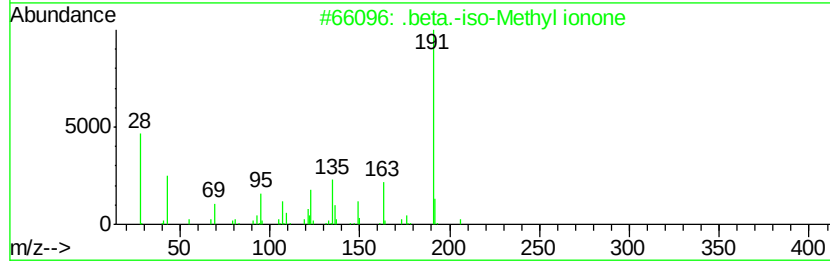
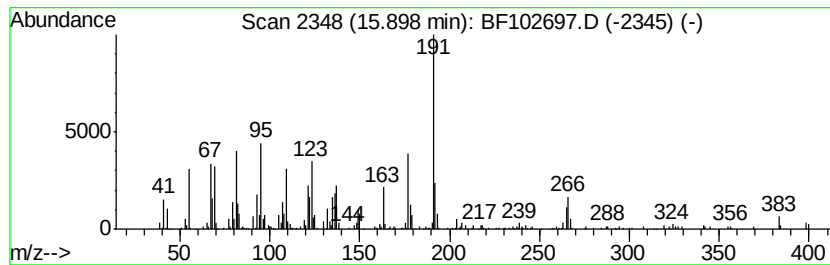
Instrument :
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ClientSampleId :
TP-04(CB#3-LINE-BOTTOM@4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 .beta.-iso-Methyl ionone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.		
15.90	12.45 ng	442424	Perylene-d12		15.30		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	58
2			1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	43
3			2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32
4			4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	27
5			1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020118\
Data File : BF102697.D
Acq On : 1 Feb 2018 20:15
Operator : SJ/JU
Sample : J1405-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-04(CB#3-LINE-BOTTOM@4)

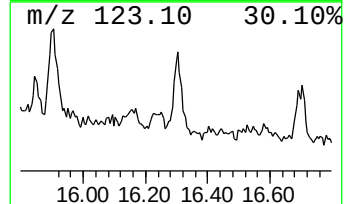
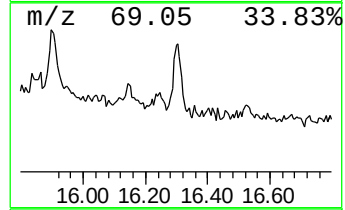
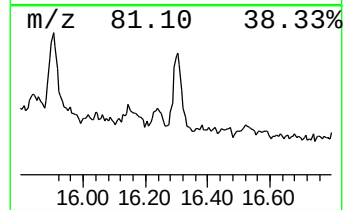
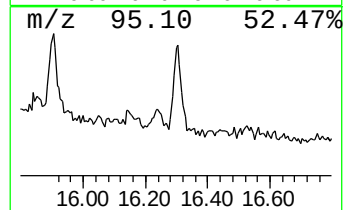
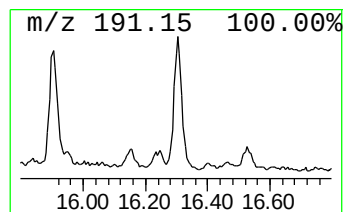
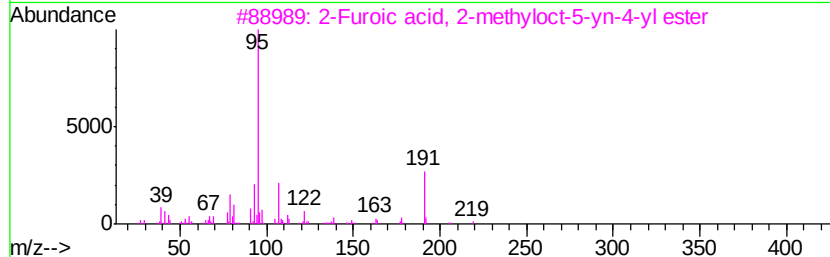
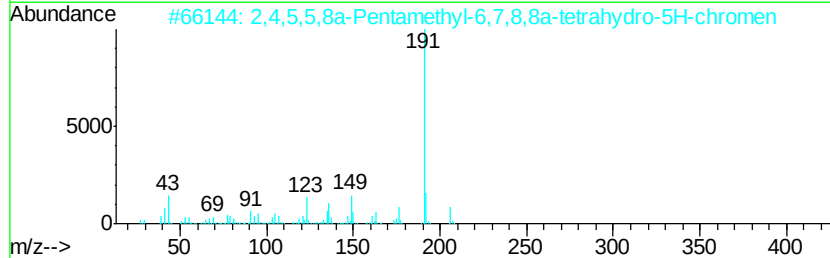
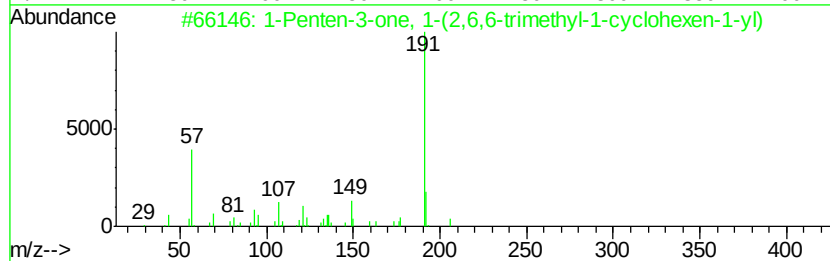
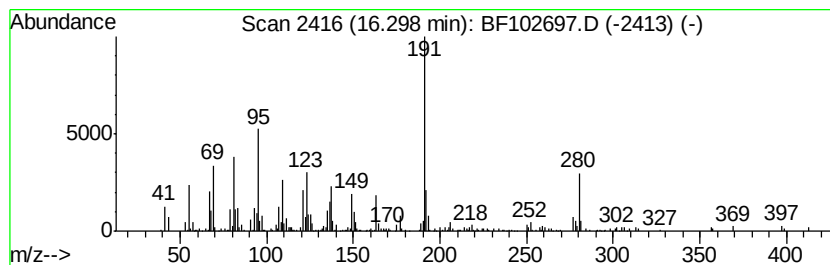
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown16.30 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	11.34 ng	403032	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
2		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38
3		2-Furoic acid, 2-methyloct-5-yn-...	234	C14H18O3	1000299-23-7	38
4		3-Methylthio-2-quinoxalinamine	191	C9H9N3S	090349-86-3	35
5		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020118\
 Data File : BF102697.D
 Acq On : 1 Feb 2018 20:15
 Operator : SJ/JU
 Sample : J1405-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-04(CB#3-LINE-BOTTOM@4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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
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Anthracene, 1,2,3...	11.07	7.2	ng	519585	4	11.22	1437260	20.0
Dibenzothiophene	11.12	5.9	ng	425468	4	11.22	1437260	20.0
Phenanthrene, 2-m...	11.72	8.5	ng	609679	4	11.22	1437260	20.0
4H-Cyclopenta[def...	11.83	16.0	ng	1148470	4	11.22	1437260	20.0
Anthracene, 2-met...	11.86	5.6	ng	403105	4	11.22	1437260	20.0
Naphthalene, 2-ph...	12.02	8.5	ng	608476	4	11.22	1437260	20.0
di-p-Tolylacetylene	12.27	6.3	ng	452448	4	11.22	1437260	20.0
Pyrene, 1-methyl-	12.89	4.1	ng	580387	5	13.87	2846040	20.0
Fluoranthene, 2-m...	12.99	8.4	ng	1195440	5	13.87	2846040	20.0
11H-Benzo[b]fluorene	13.06	4.8	ng	690512	5	13.87	2846040	20.0
4,5-Dihydrobenzo[...	14.74	4.0	ng	143992	6	15.30	710831	20.0
Perylene	14.99	8.8	ng	313023	6	15.30	710831	20.0
.beta.-iso-Methyl...	15.90	12.4	ng	442424	6	15.30	710831	20.0
unknown16.30	16.30	11.3	ng	403032	6	15.30	710831	20.0