

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096530.D
 Acq On : 6 Jul 2017 13:53
 Operator : SJ/MA
 Sample : I4053-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070317-C

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-BF070117.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	3.063	164	166	175	rBV3	24845	55985	1.94%	0.126%
2	4.904	474	479	489	rBV	324297	446790	15.50%	1.006%
3	5.328	546	551	554	rBV	2747786	2881724	100.00%	6.488%
4	6.357	720	726	736	rVB	2416268	2759308	95.75%	6.212%
5	6.486	743	748	751	rBV	2726966	2654150	92.10%	5.976%
6	6.710	783	786	790	rBV	818834	737816	25.60%	1.661%
7	6.869	809	813	817	rBV	2143593	2013097	69.86%	4.532%
8	7.275	873	882	885	rBV	1960132	1854920	64.37%	4.176%
9	7.380	894	900	902	rBV	48315	55908	1.94%	0.126%
10	7.992	1000	1004	1007	rBV	1048384	992337	34.44%	2.234%
11	8.645	1109	1115	1121	rVB6	15211	40501	1.41%	0.091%
12	8.710	1121	1126	1129	rBV	127493	108459	3.76%	0.244%
13	8.804	1138	1142	1146	rBV	161059	153752	5.34%	0.346%
14	9.074	1183	1188	1191	rBV	2877038	2589896	89.87%	5.831%
15	9.169	1198	1204	1207	rVB3	36321	38056	1.32%	0.086%
16	9.269	1219	1221	1227	rVB2	35747	43375	1.51%	0.098%
17	9.333	1227	1232	1236	rBV	122744	162610	5.64%	0.366%
18	9.410	1241	1245	1247	rBV	222921	210423	7.30%	0.474%
19	9.433	1247	1249	1252	rVB	124571	98987	3.43%	0.223%
20	9.469	1252	1255	1260	rVB	643764	539055	18.71%	1.214%
21	9.527	1260	1265	1267	rBV	107099	108868	3.78%	0.245%
22	9.610	1275	1279	1282	rBV	304974	268601	9.32%	0.605%
23	9.751	1297	1303	1306	rBV	1021216	960783	33.34%	2.163%
24	9.780	1306	1308	1312	rVB	285445	211279	7.33%	0.476%
25	9.857	1317	1321	1325	rBV2	51681	69430	2.41%	0.156%
26	9.898	1325	1328	1331	rBV4	27121	38586	1.34%	0.087%
27	9.951	1331	1337	1341	rVV	192987	207260	7.19%	0.467%
28	9.992	1341	1344	1347	rVB	103024	80737	2.80%	0.182%
29	10.069	1352	1357	1360	rBV2	99246	144503	5.01%	0.325%
30	10.098	1360	1362	1368	rVB2	61238	53606	1.86%	0.121%
31	10.157	1368	1372	1374	rBV3	61685	99178	3.44%	0.223%
32	10.198	1377	1379	1382	rVB2	109793	85693	2.97%	0.193%
33	10.292	1392	1395	1402	rVB	446172	426320	14.79%	0.960%
34	10.363	1405	1407	1408	rVV	67653	51653	1.79%	0.116%

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35	10.410	1412	1415	1419	rVB4	61711	78086	2.71%	0.176%
36	10.451	1419	1422	1424	rBV	75393	64919	2.25%	0.146%
37	10.533	1431	1436	1440	rVV	1308127	1275975	44.28%	2.873%
38	10.574	1440	1443	1449	rVB3	32743	51494	1.79%	0.116%
39	10.663	1454	1458	1463	rVB2	159811	196670	6.82%	0.443%
40	10.845	1484	1489	1491	rBV3	121886	168155	5.84%	0.379%
41	10.868	1491	1493	1496	rVV	104206	90167	3.13%	0.203%
42	10.927	1500	1503	1505	rVB	104162	88541	3.07%	0.199%
43	10.992	1509	1514	1518	rVB5	50048	67329	2.34%	0.152%
44	11.039	1520	1522	1526	rVB3	35165	38334	1.33%	0.086%
45	11.086	1527	1530	1532	rBV	42437	46885	1.63%	0.106%
46	11.121	1532	1536	1539	rBV2	130847	178171	6.18%	0.401%
47	11.233	1551	1555	1556	rBV	764083	731987	25.40%	1.648%
48	11.257	1556	1559	1562	rVB	1369914	1118927	38.83%	2.519%
49	11.304	1562	1567	1570	rVB	507363	421254	14.62%	0.948%
50	11.339	1570	1573	1576	rBV3	69953	90359	3.14%	0.203%
51	11.457	1591	1593	1597	rBV	45844	43429	1.51%	0.098%
52	11.539	1602	1607	1609	rVV3	57611	96444	3.35%	0.217%
53	11.563	1609	1611	1614	rVB2	86288	65800	2.28%	0.148%
54	11.645	1622	1625	1629	rVB	68408	74363	2.58%	0.167%
55	11.733	1636	1640	1642	rBV	293908	257403	8.93%	0.580%
56	11.763	1642	1645	1649	rVB	324407	315210	10.94%	0.710%
57	11.810	1649	1653	1655	rBV	160568	157226	5.46%	0.354%
58	11.845	1655	1659	1661	rVV	542230	571583	19.83%	1.287%
59	11.863	1661	1662	1668	rVB	207879	182674	6.34%	0.411%
60	12.027	1687	1690	1692	rBV	141674	105380	3.66%	0.237%
61	12.174	1713	1715	1718	rVV	69902	62744	2.18%	0.141%
62	12.210	1718	1721	1723	rVV	72336	70113	2.43%	0.158%
63	12.233	1723	1725	1727	rVB	70162	56471	1.96%	0.127%
64	12.280	1730	1733	1736	rBV	199405	209494	7.27%	0.472%
65	12.321	1736	1740	1741	rVV2	140252	159340	5.53%	0.359%
66	12.339	1741	1743	1745	rVB	102502	79620	2.76%	0.179%
67	12.362	1745	1747	1753	rBV3	94979	145887	5.06%	0.328%
68	12.445	1757	1761	1764	rBV	1595719	1424860	49.44%	3.208%
69	12.492	1764	1769	1770	rBV3	61237	62720	2.18%	0.141%
70	12.533	1774	1776	1779	rBV	77232	57654	2.00%	0.130%
71	12.562	1779	1781	1784	rBV2	49579	52936	1.84%	0.119%

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72	12.674	1793	1800	1805	rBV	1425402	1790260	62.12%	4.031%
73	12.786	1817	1819	1821	rBV	89201	87326	3.03%	0.197%
74	12.821	1821	1825	1828	rVV	1684252	1694577	58.80%	3.815%
75	12.892	1832	1837	1840	rBV2	171210	242977	8.43%	0.547%
76	12.998	1848	1855	1858	rVB	394722	515209	17.88%	1.160%
77	13.062	1863	1866	1869	rBV	367552	314222	10.90%	0.707%
78	13.104	1869	1873	1875	rBV	225388	218607	7.59%	0.492%
79	13.192	1885	1888	1891	rBV	176322	150993	5.24%	0.340%
80	13.221	1891	1893	1897	rBV	186973	176233	6.12%	0.397%
81	13.404	1921	1924	1929	rVB4	129560	195514	6.78%	0.440%
82	13.645	1962	1965	1967	rBV	126719	123819	4.30%	0.279%
83	13.662	1967	1968	1975	rVB3	158157	194284	6.74%	0.437%
84	13.862	1997	2002	2005	rBV2	1079292	1621219	56.26%	3.650%
85	13.892	2005	2007	2010	rVB	779095	610488	21.18%	1.374%
86	13.974	2018	2021	2024	rVB	302966	298865	10.37%	0.673%
87	14.004	2024	2026	2028	rBV	104665	99971	3.47%	0.225%
88	14.051	2032	2034	2037	rVB2	179969	160712	5.58%	0.362%
89	14.251	2066	2068	2071	rVB	180875	162018	5.62%	0.365%
90	14.286	2072	2074	2078	rVB	121727	91852	3.19%	0.207%
91	14.351	2082	2085	2087	rVV3	179328	212449	7.37%	0.478%
92	14.398	2091	2093	2096	rVB3	205288	175434	6.09%	0.395%
93	14.886	2172	2176	2179	rBV	745976	1167822	40.53%	2.629%
94	14.980	2189	2192	2197	rVB2	296621	376353	13.06%	0.847%
95	15.168	2220	2224	2229	rVB	486522	607801	21.09%	1.368%
96	15.227	2229	2234	2239	rVV	744320	932813	32.37%	2.100%
97	15.286	2240	2244	2246	rVV	372308	462425	16.05%	1.041%
98	15.309	2246	2248	2255	rVB3	275213	458699	15.92%	1.033%
99	16.656	2472	2477	2484	rVB2	338007	616842	21.41%	1.389%
100	17.068	2542	2547	2554	rVB	244678	453503	15.74%	1.021%

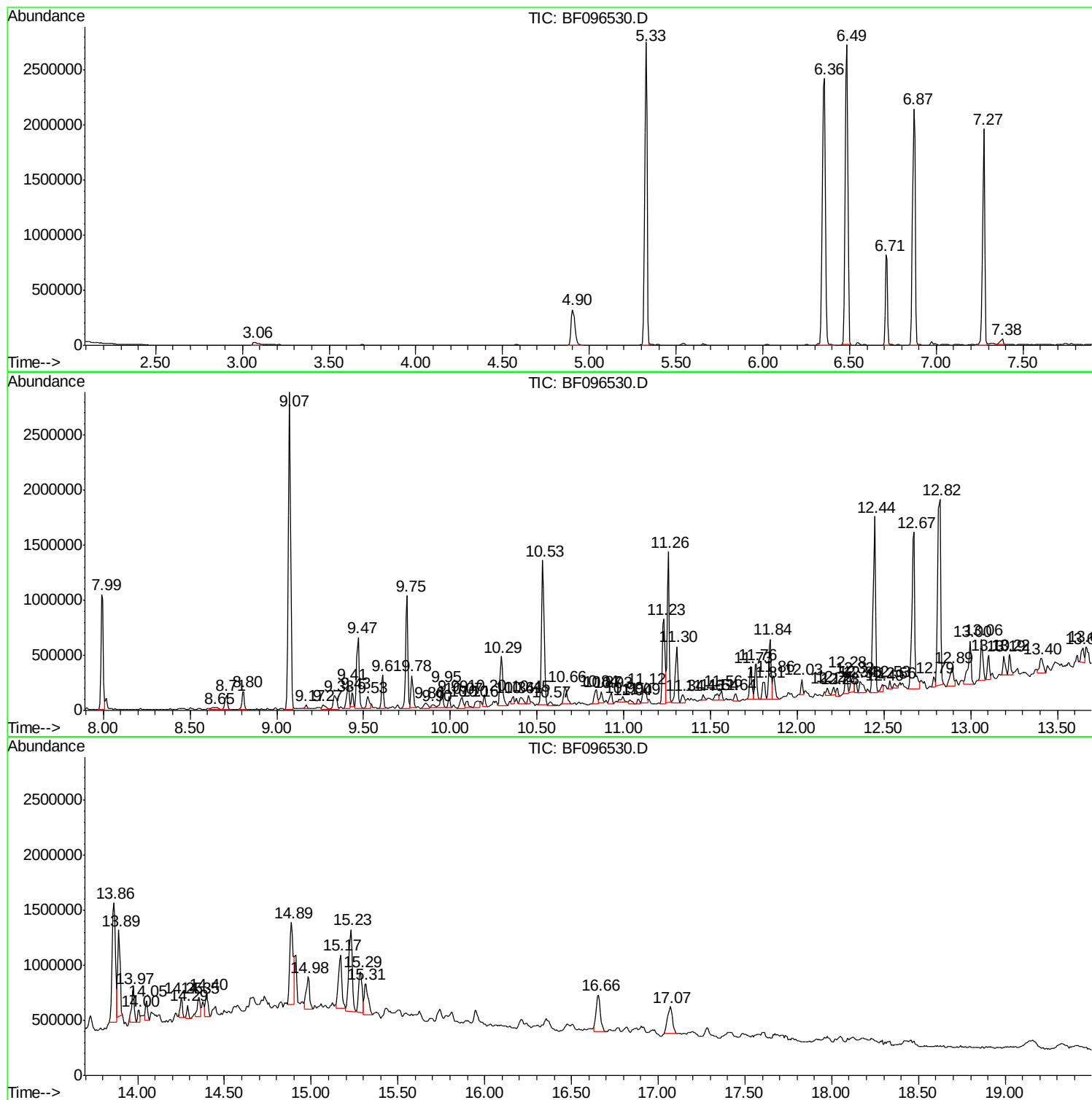
Sum of corrected areas: 44415537

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.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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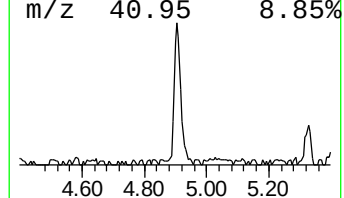
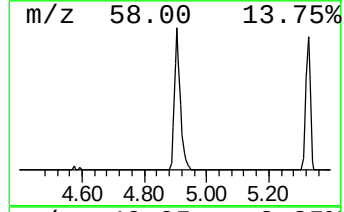
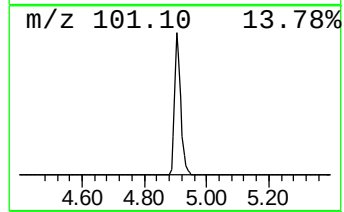
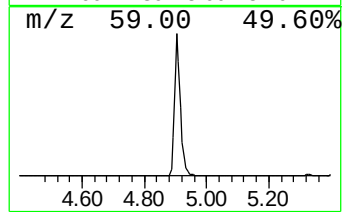
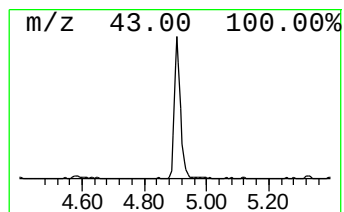
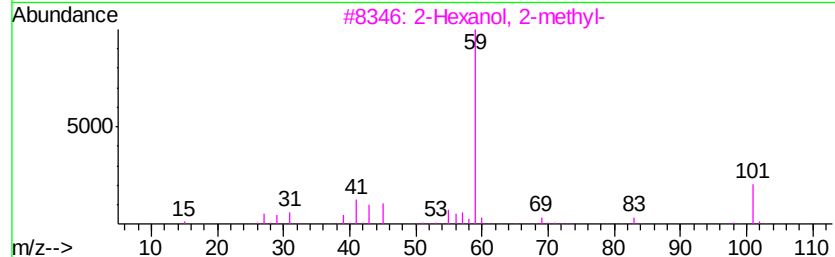
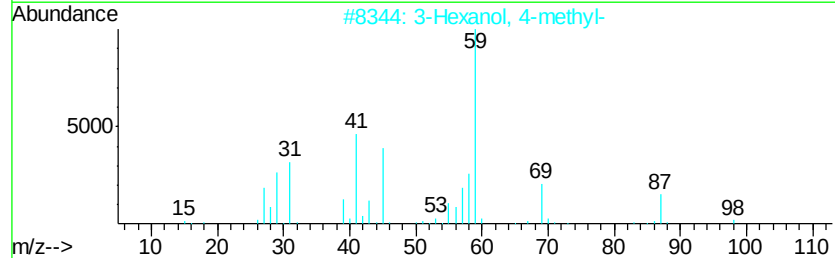
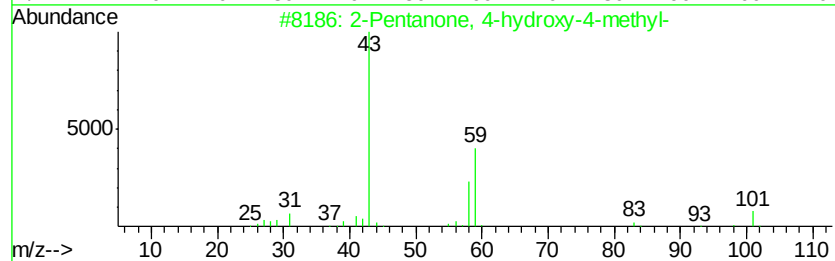
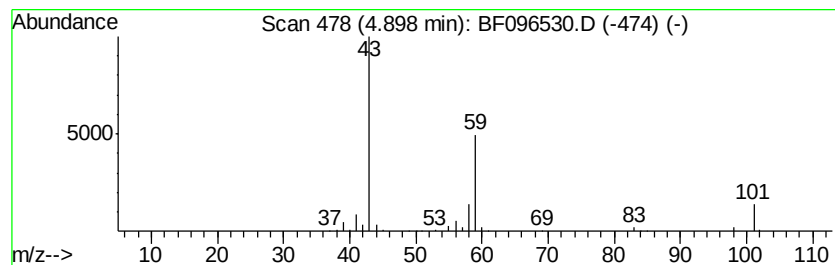
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	12.11 ng	446790	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
5			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17



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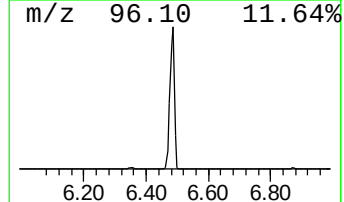
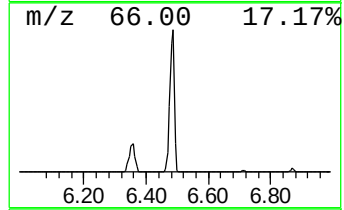
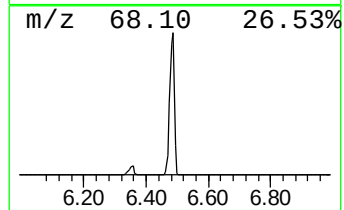
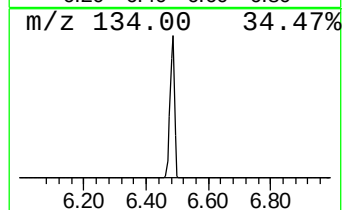
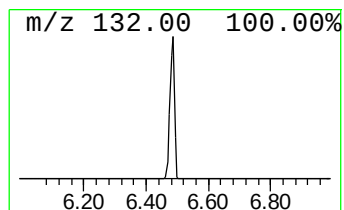
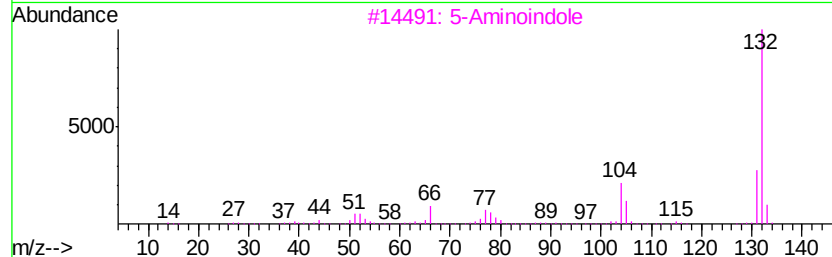
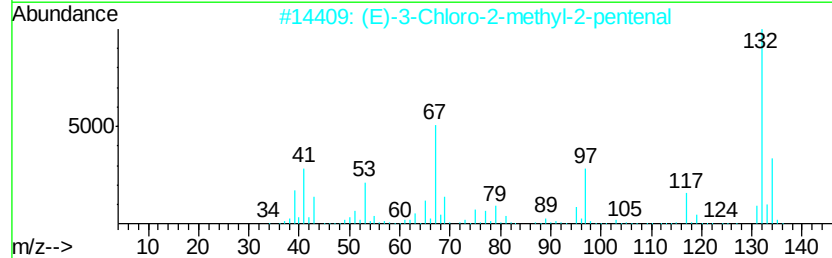
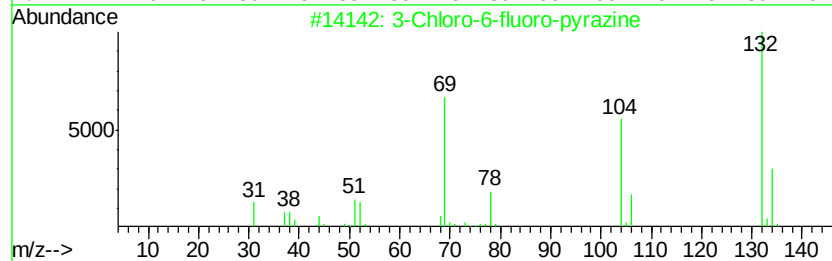
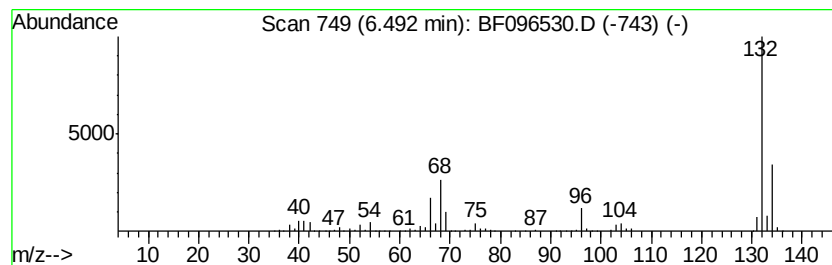
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	71.95 ng	2654150	1,4-Dichlorobenzene-d4	6.72

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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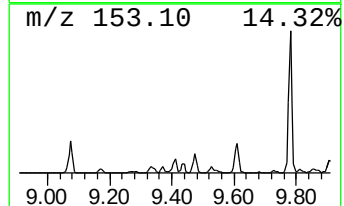
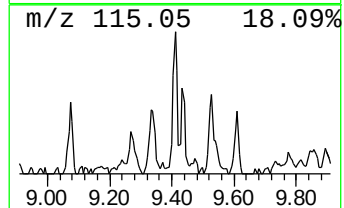
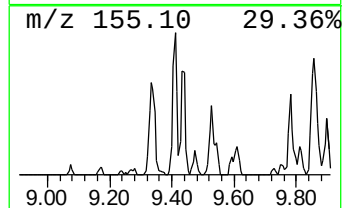
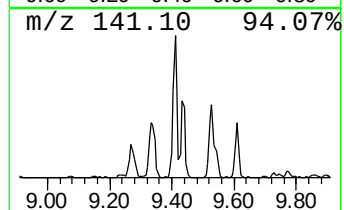
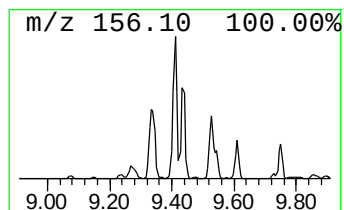
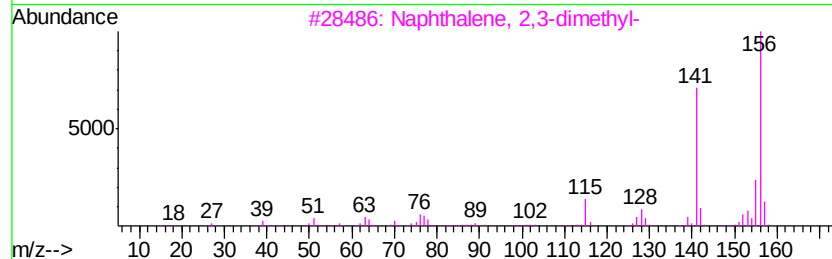
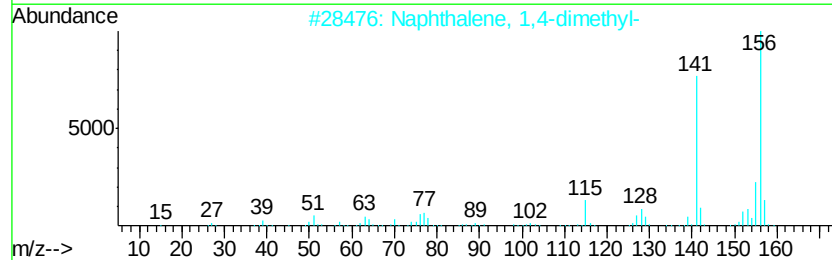
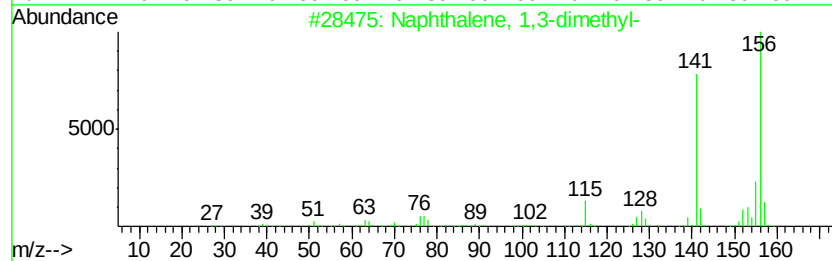
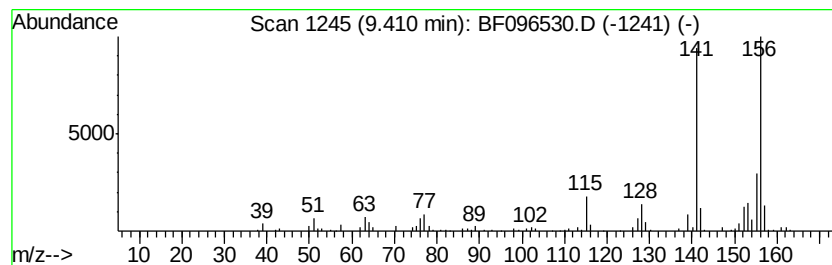
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	4.38 ng	210423	Acenaphthene-d10	9.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
2		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
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Operator : SJ/MA
Sample : I4053-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

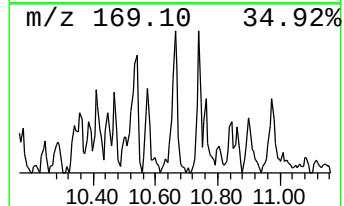
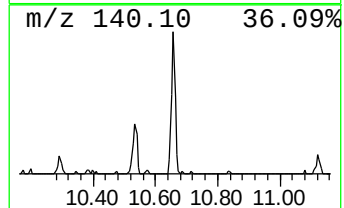
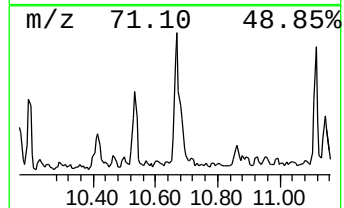
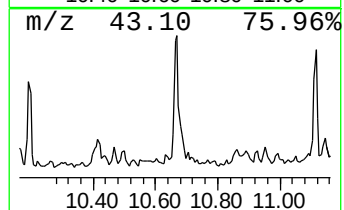
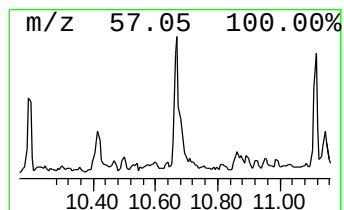
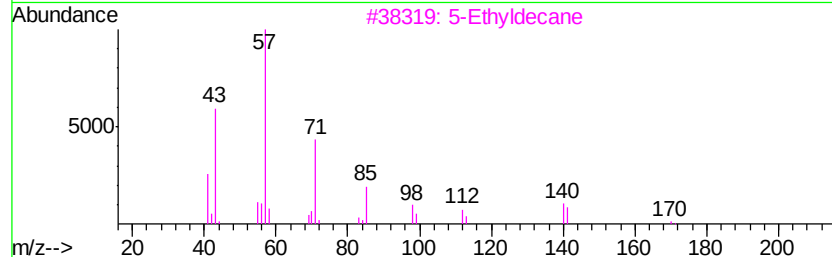
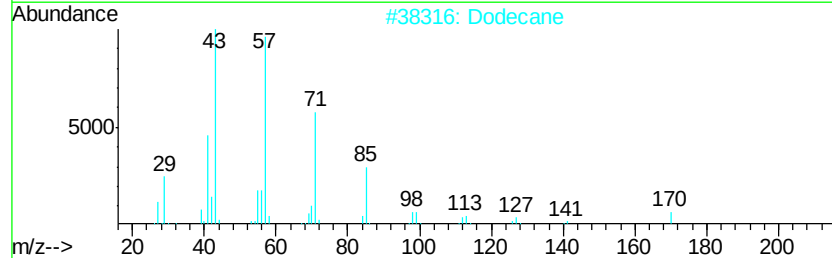
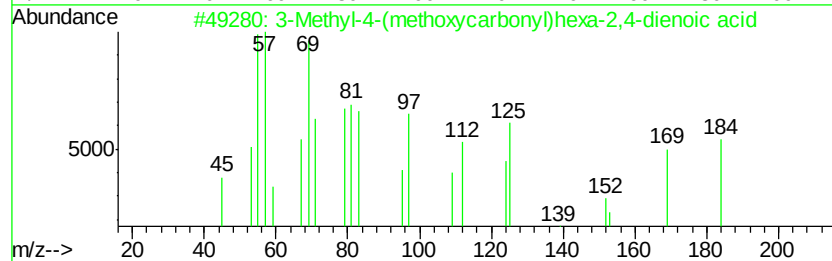
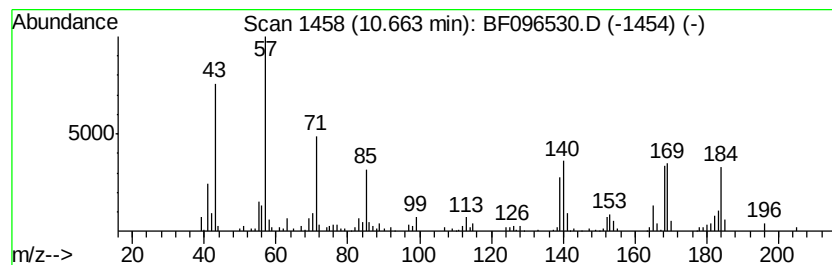
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 3-Methyl-4-(methoxycarbonyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.66	5.37 ng	196670	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	91
2		Dodecane	170	C12H26	000112-40-3	51
3		5-Ethyldecane	170	C12H26	017302-36-2	41
4		Tridecane, 7-propyl-	226	C16H34	055045-09-5	38
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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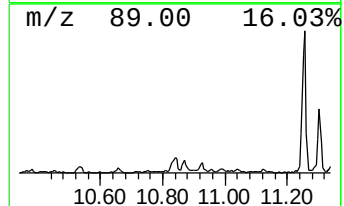
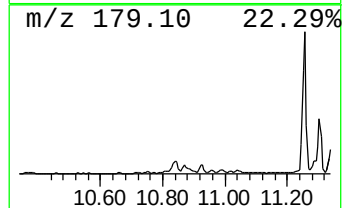
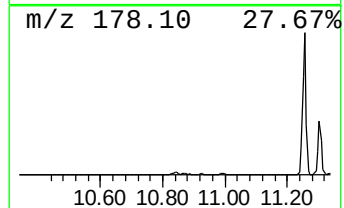
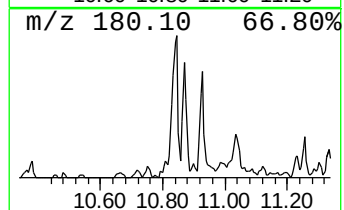
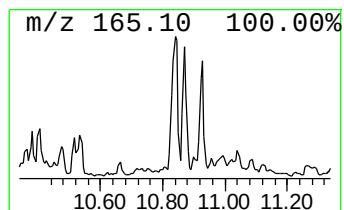
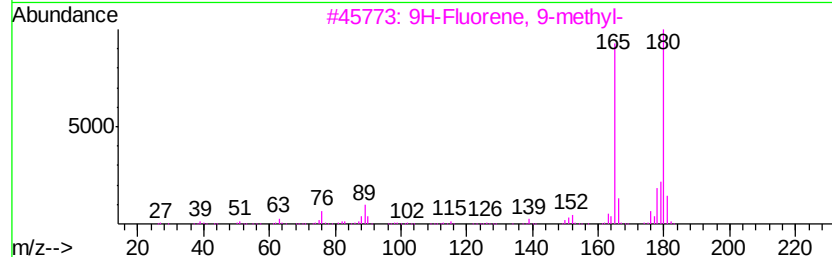
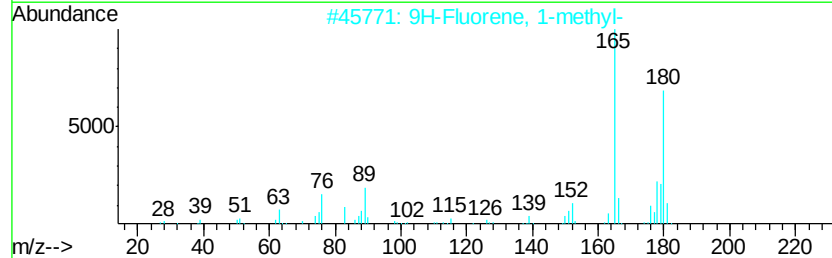
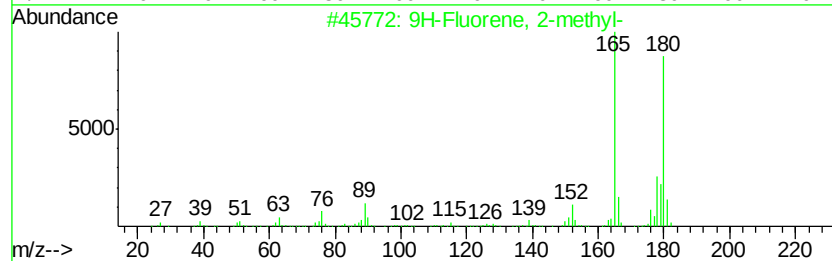
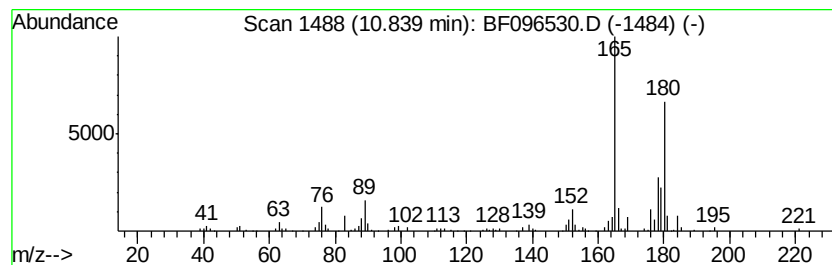
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.84	4.59 ng	168155	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
Acq On : 6 Jul 2017 13:53
Operator : SJ/MA
Sample : I4053-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

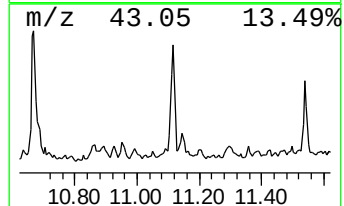
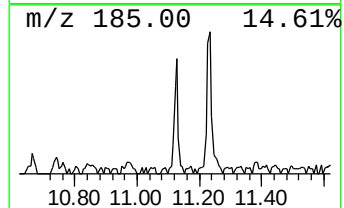
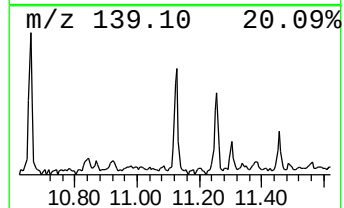
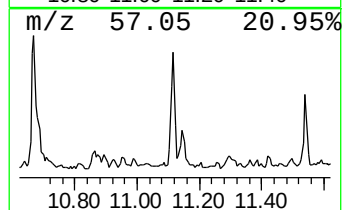
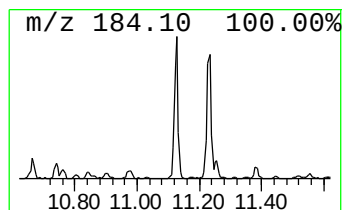
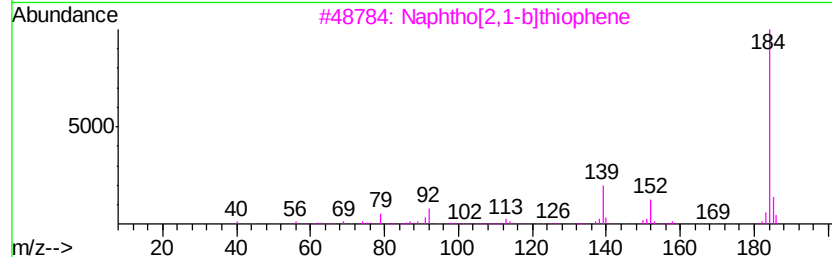
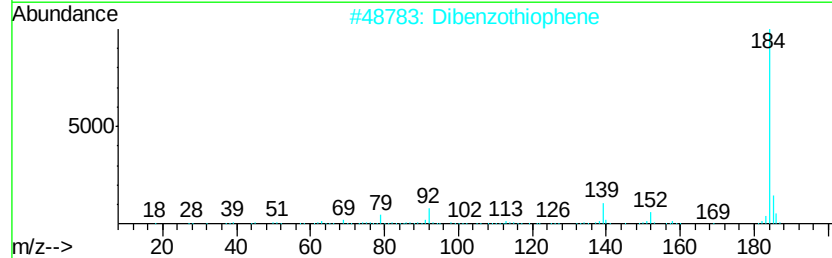
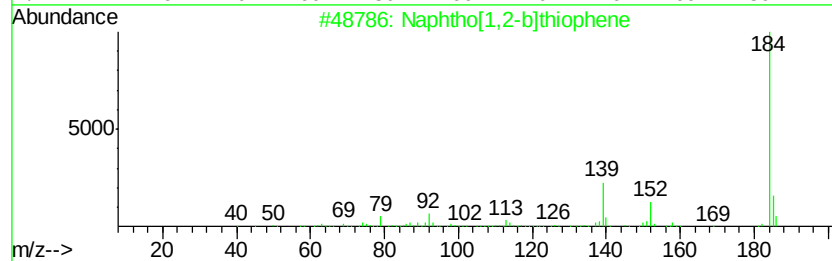
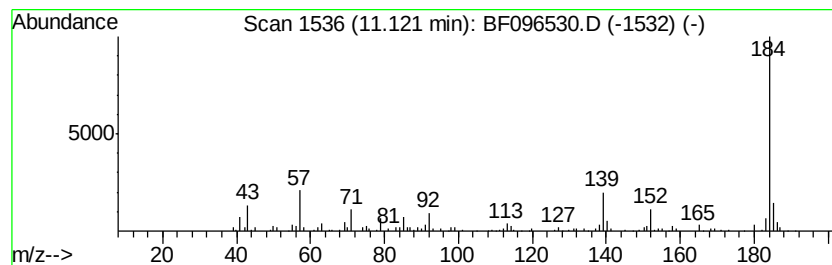
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.12	4.87 ng	178171	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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Acq On : 6 Jul 2017 13:53
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Sample : I4053-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

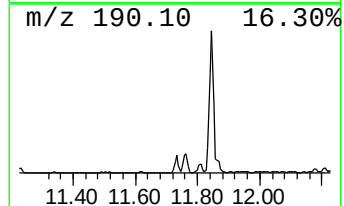
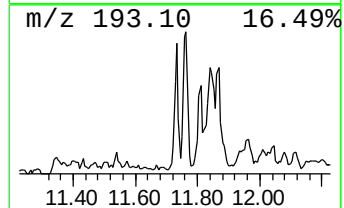
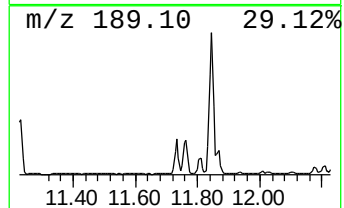
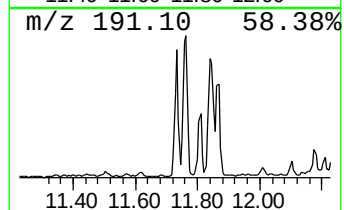
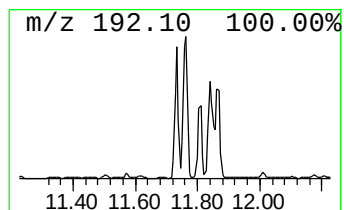
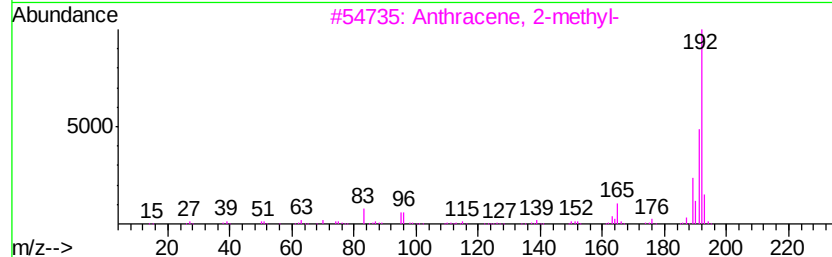
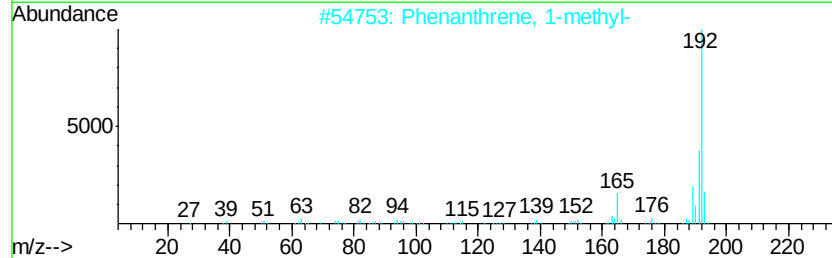
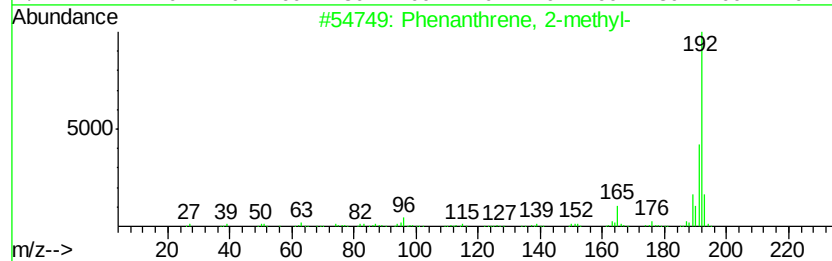
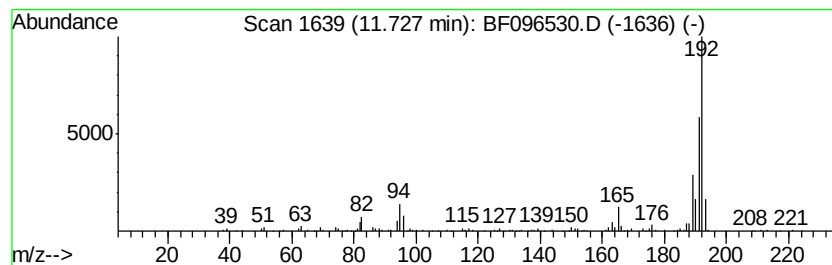
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	7.03 ng	257403	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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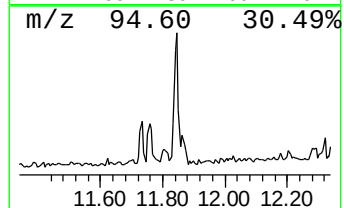
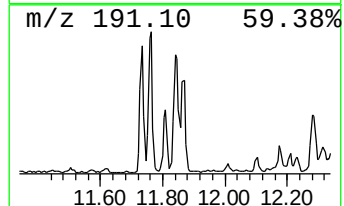
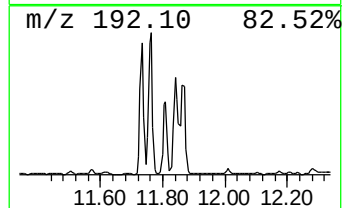
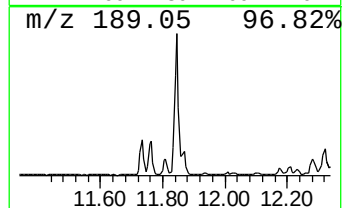
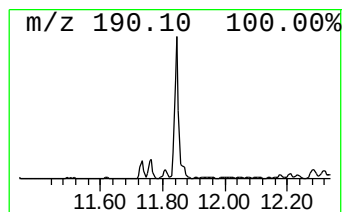
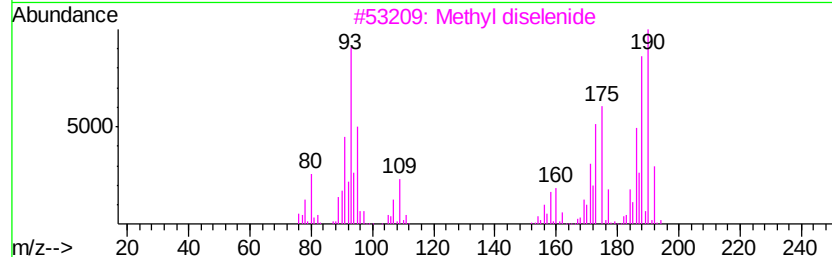
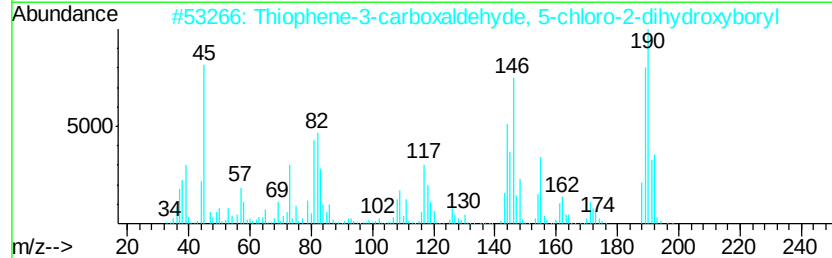
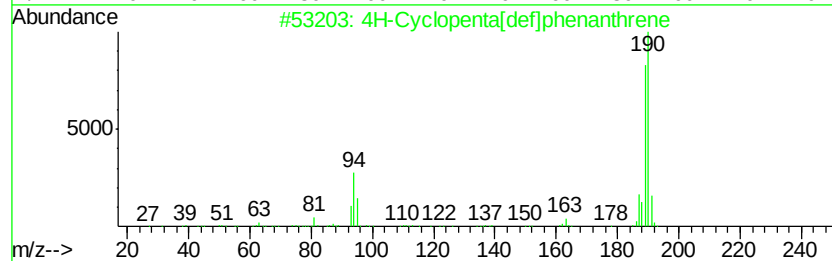
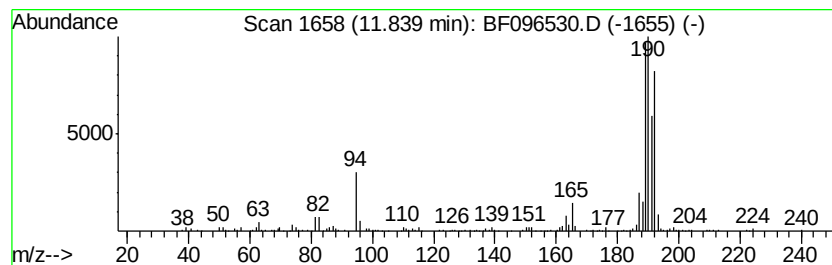
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	15.62 ng	571583	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	1-Aminocyclopentanecarboxylic ac...	375	C19H34ClN04	1000329-17-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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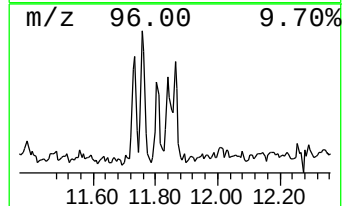
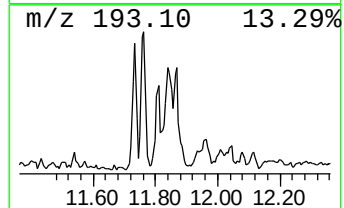
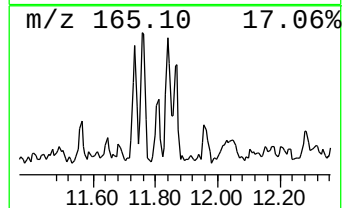
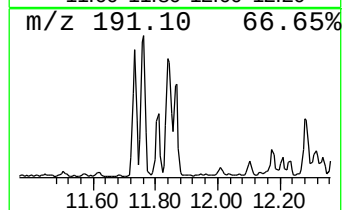
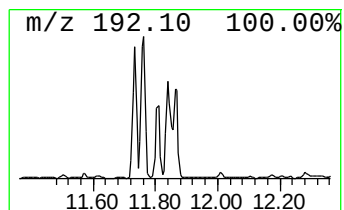
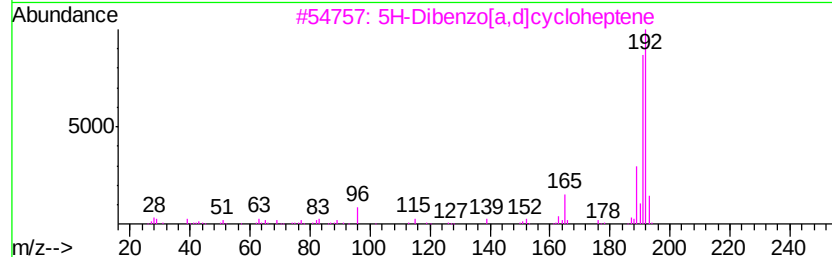
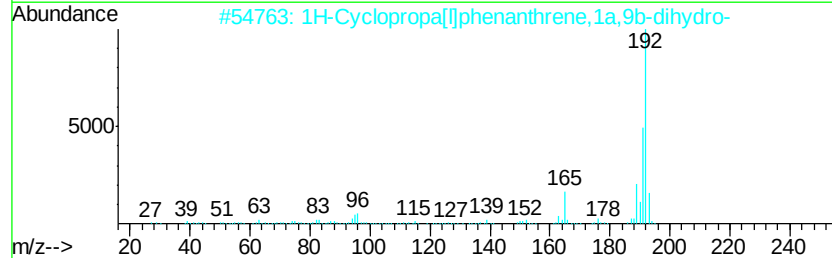
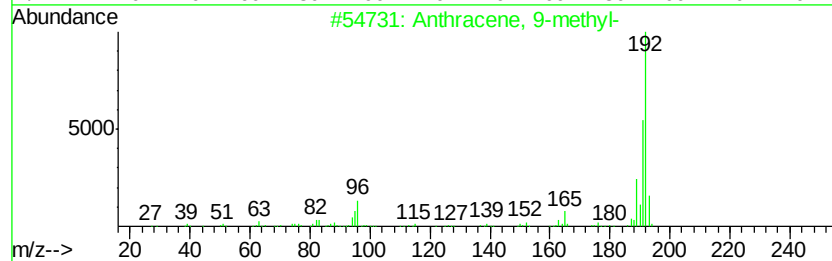
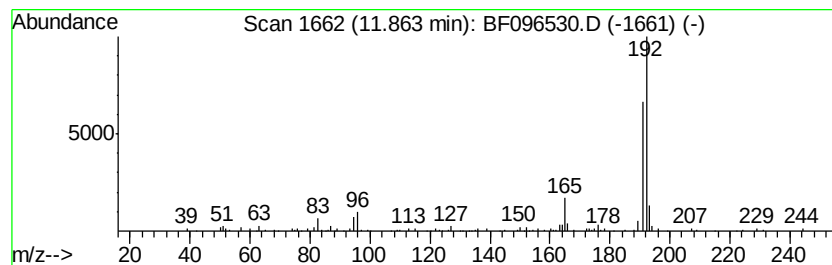
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.86	4.99 ng	182674	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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Acq On : 6 Jul 2017 13:53
Operator : SJ/MA
Sample : I4053-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

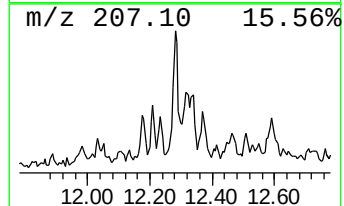
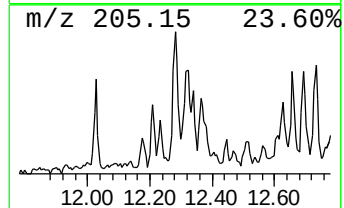
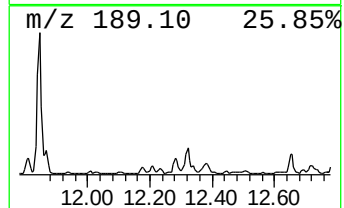
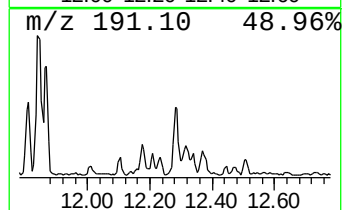
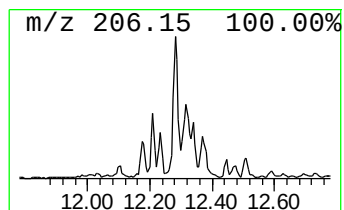
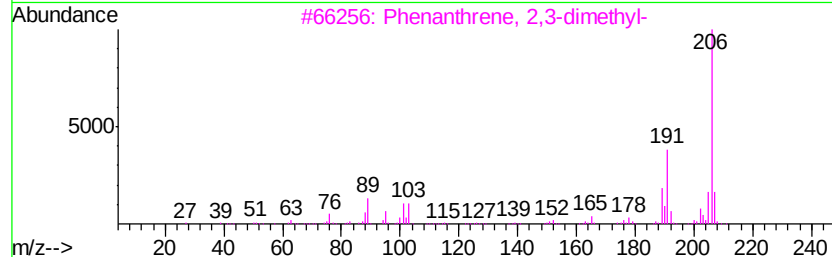
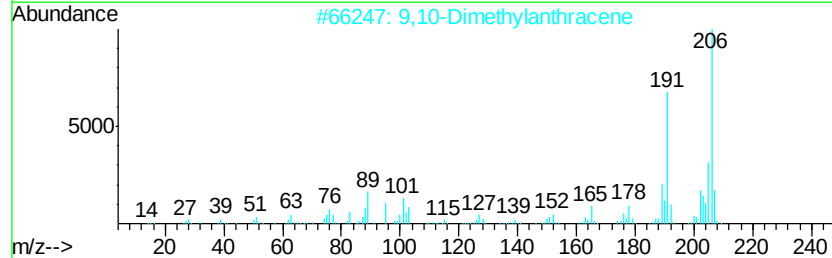
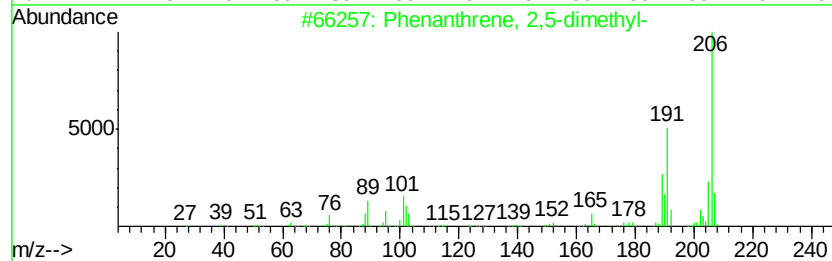
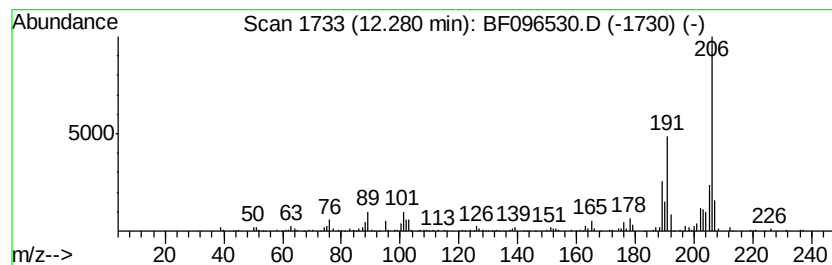
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.28	5.72 ng	209494	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
Acq On : 6 Jul 2017 13:53
Operator : SJ/MA
Sample : I4053-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

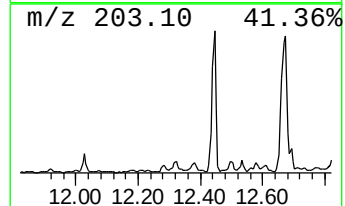
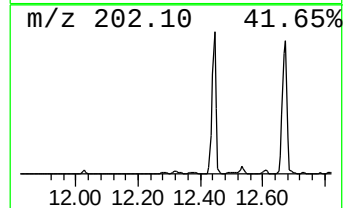
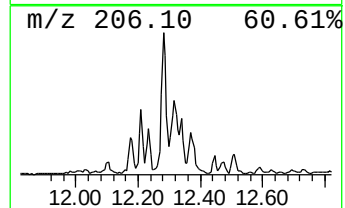
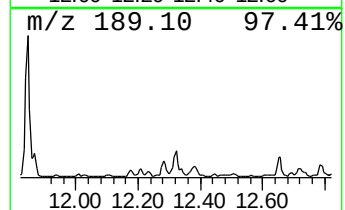
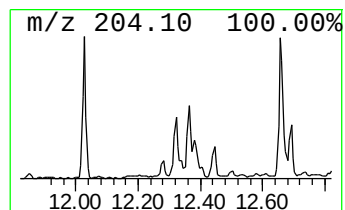
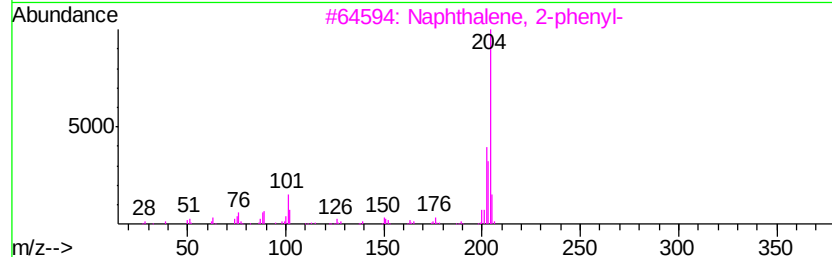
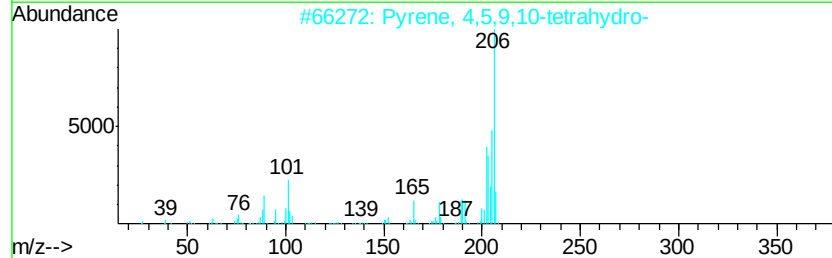
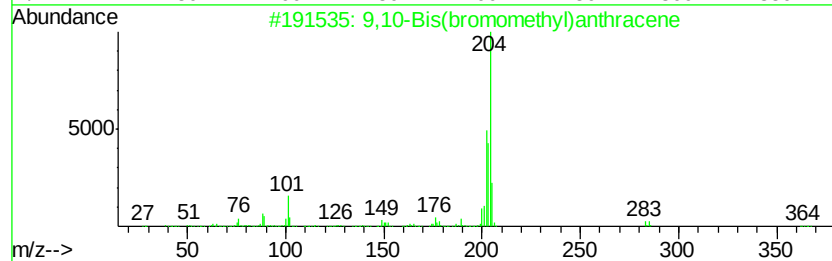
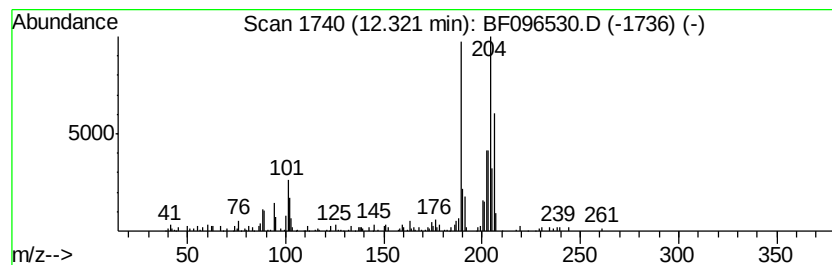
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.32 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.32	4.35 ng	159340	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	38
5	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
Acq On : 6 Jul 2017 13:53
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Sample : I4053-07
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ClientSampleId :
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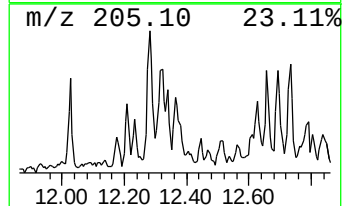
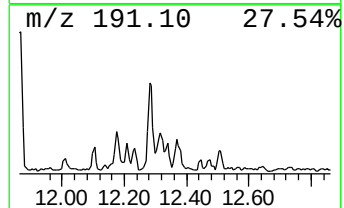
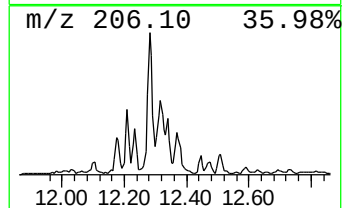
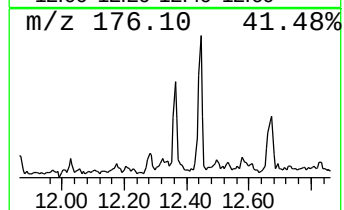
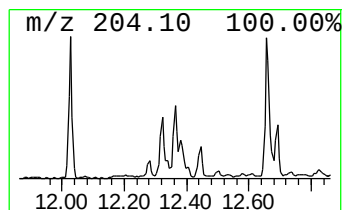
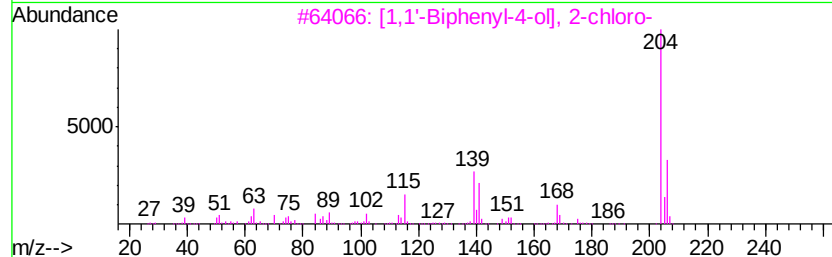
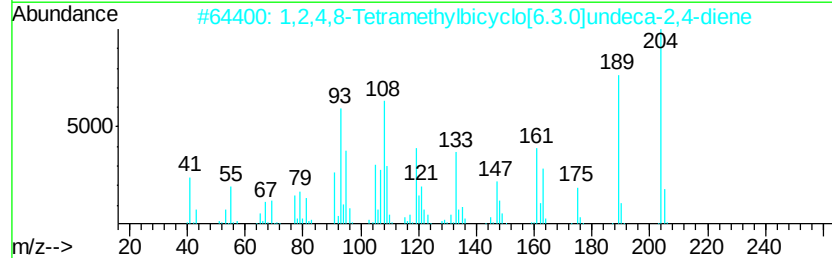
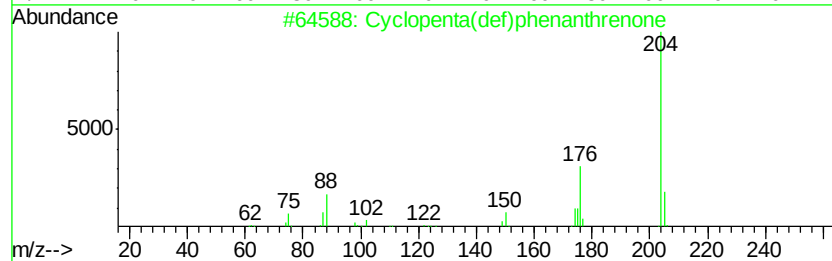
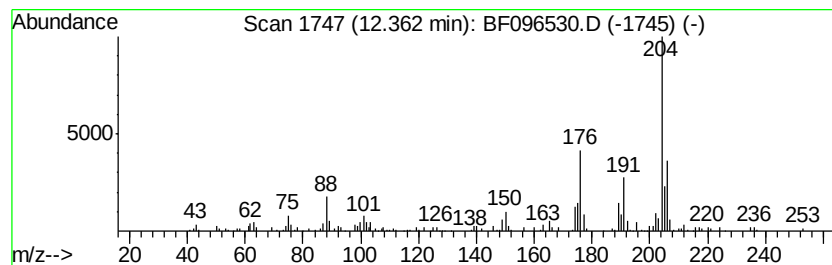
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.99 ng	145887	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	45
3		[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
4		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
Acq On : 6 Jul 2017 13:53
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Misc :
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CL-02-070317-C

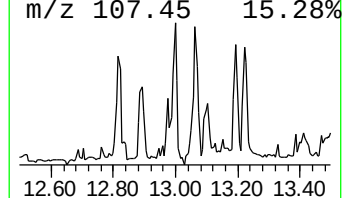
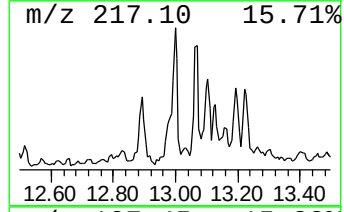
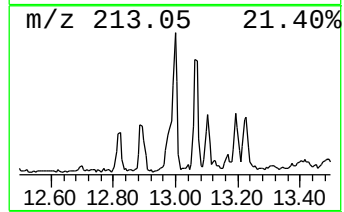
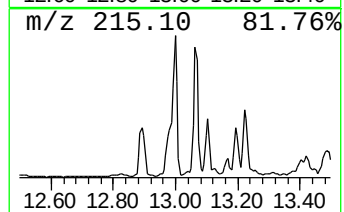
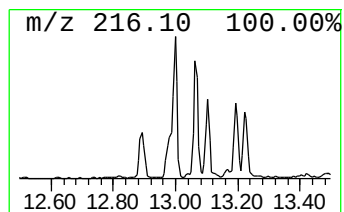
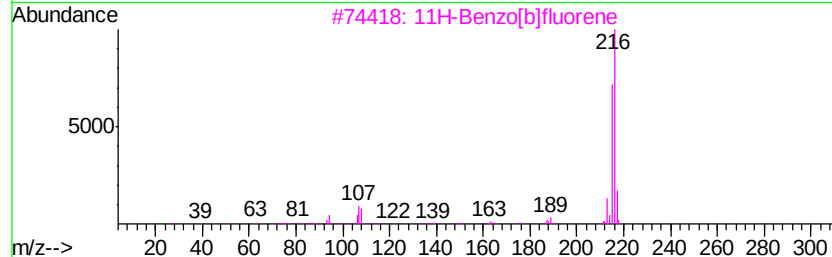
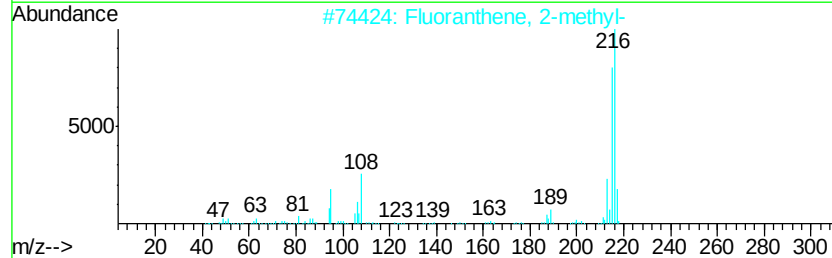
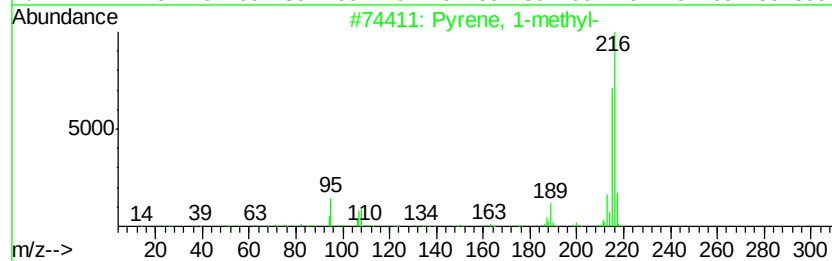
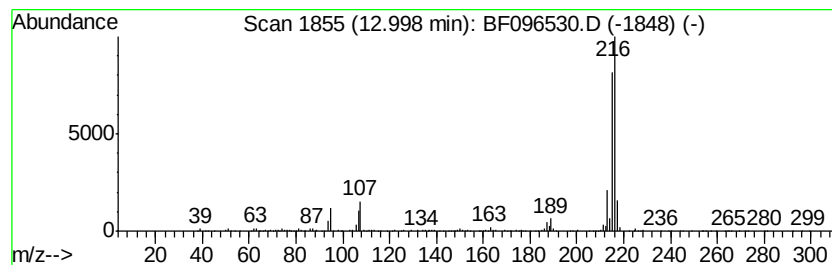
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	6.36 ng	515209	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
Acq On : 6 Jul 2017 13:53
Operator : SJ/MA
Sample : I4053-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-C

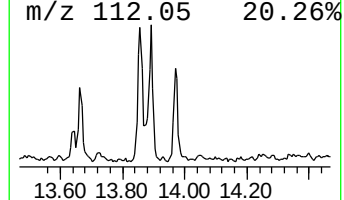
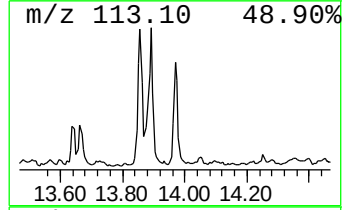
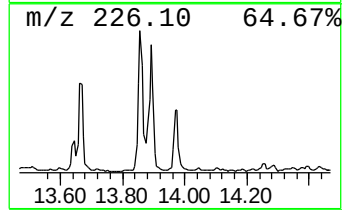
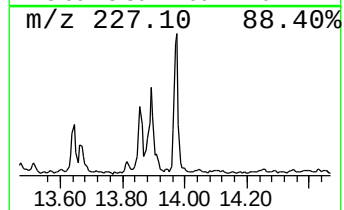
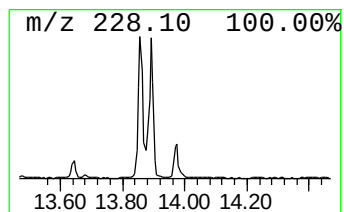
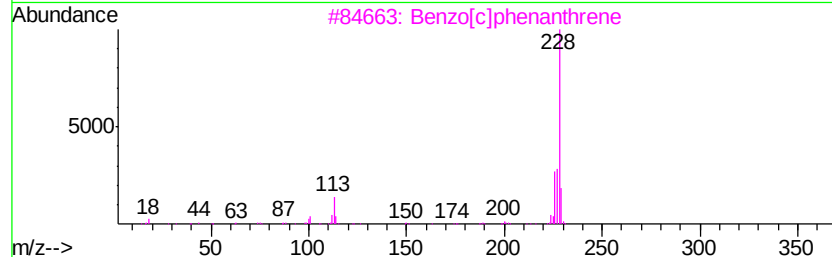
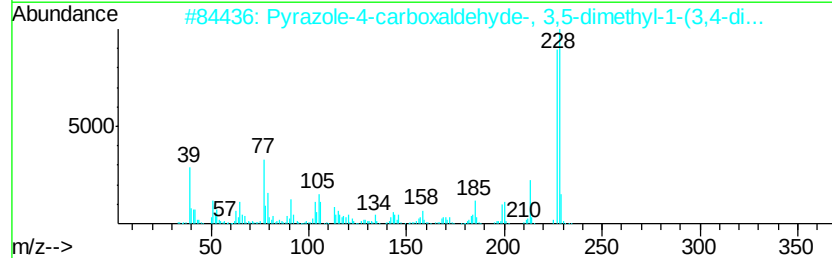
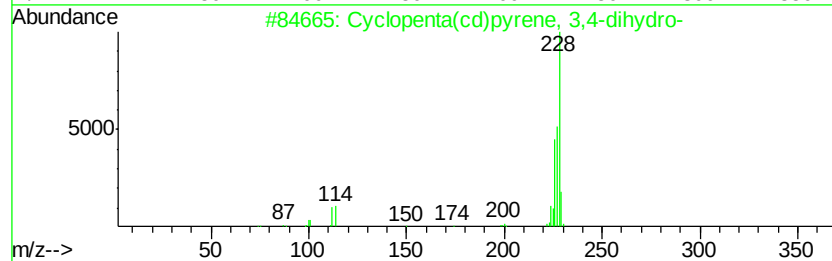
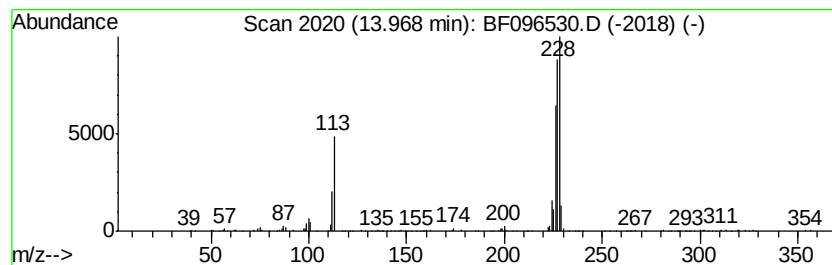
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.69 ng	298865	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
2		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
4		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
5		4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096530.D
Acq On : 6 Jul 2017 13:53
Operator : SJ/MA
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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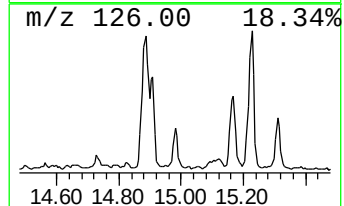
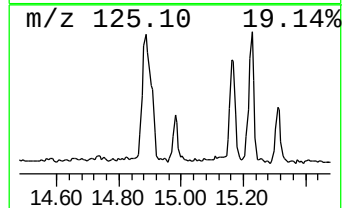
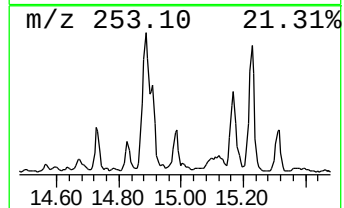
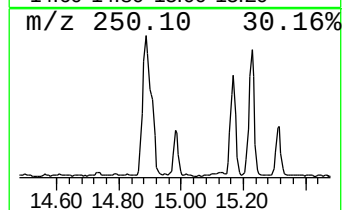
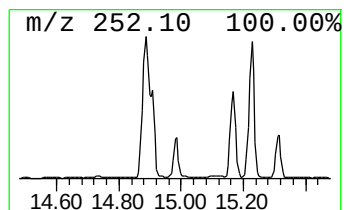
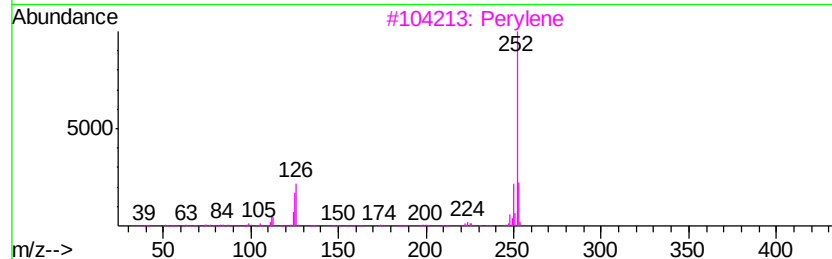
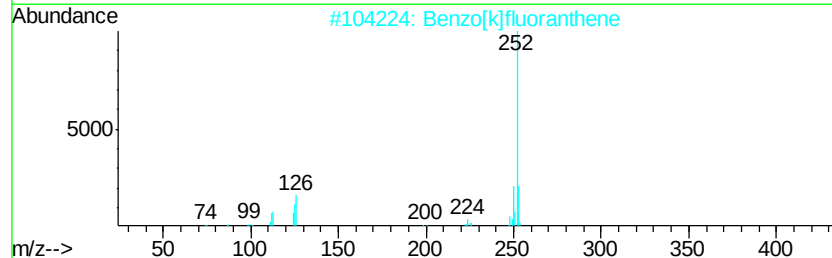
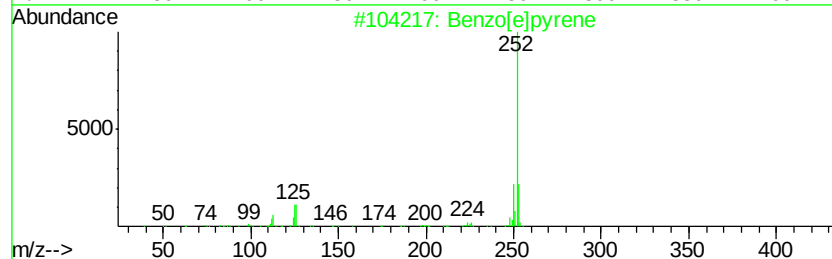
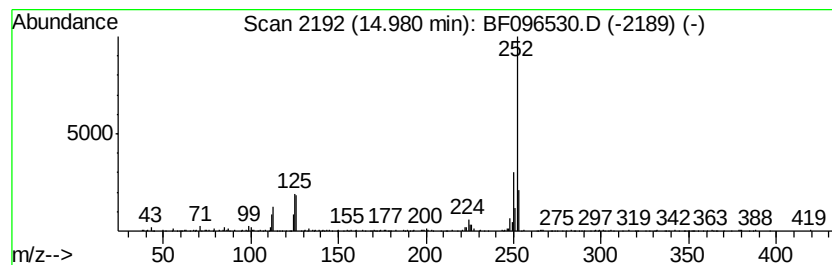
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	16.28 ng	376353	Perylene-d12	15.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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 Acq On : 6 Jul 2017 13:53
 Operator : SJ/MA
 Sample : I4053-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.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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unknown6.49	6.49	72.0	ng	2654150	1	6.72	737816	20.0
Naphthalene, 1,3-...	9.41	4.4	ng	210423	3	9.75	960783	20.0
3-Methyl-4-(metho...	10.66	5.4	ng	196670	4	11.23	731987	20.0
9H-Fluorene, 2-me...	10.84	4.6	ng	168155	4	11.23	731987	20.0
Naphtho[1,2-b]thi...	11.12	4.9	ng	178171	4	11.23	731987	20.0
Phenanthrene, 2-m...	11.73	7.0	ng	257403	4	11.23	731987	20.0
4H-Cyclopenta[def...	11.84	15.6	ng	571583	4	11.23	731987	20.0
Anthracene, 9-met...	11.86	5.0	ng	182674	4	11.23	731987	20.0
Phenanthrene, 2,5...	12.28	5.7	ng	209494	4	11.23	731987	20.0
unknown12.32	12.32	4.3	ng	159340	4	11.23	731987	20.0
Cyclopenta(def)ph...	12.36	4.0	ng	145887	4	11.23	731987	20.0
Pyrene, 1-methyl-	13.00	6.4	ng	515209	5	13.87	1621220	20.0
Cyclopenta(cd)pyr...	13.97	3.7	ng	298865	5	13.87	1621220	20.0
Benzo[e]pyrene	14.98	16.3	ng	376353	6	15.29	462425	20.0