

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
 Data File : BF097757.D
 Acq On : 16 Aug 2017 23:50
 Operator : SJ/JU
 Sample : I4739-07 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-7

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-BF081517.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	5.375	555	559	563	rVB	829932	685598	24.81%	1.787%
2	6.398	729	733	740	rVB	920353	738194	26.71%	1.924%
3	6.540	754	757	761	rVB	847362	717397	25.96%	1.870%
4	6.781	794	798	801	rBV	1332683	1084428	39.24%	2.827%
5	6.934	820	824	827	rBV	670222	531895	19.25%	1.386%
6	7.334	885	892	896	rBV	469304	419252	15.17%	1.093%
7	8.063	1011	1016	1018	rBV	1727123	1408356	50.96%	3.671%
8	8.081	1018	1019	1023	rVB	262838	201752	7.30%	0.526%
9	8.775	1132	1137	1140	rBV	152885	116780	4.23%	0.304%
10	8.875	1149	1154	1157	rBV	129334	108150	3.91%	0.282%
11	9.139	1195	1199	1202	rVB	860223	719976	26.05%	1.877%
12	9.398	1237	1243	1247	rBV	52429	71069	2.57%	0.185%
13	9.475	1251	1256	1258	rBV	119798	108742	3.93%	0.283%
14	9.534	1263	1266	1270	rVB	99015	83657	3.03%	0.218%
15	9.675	1285	1290	1293	rBV	109405	94083	3.40%	0.245%
16	9.816	1308	1314	1317	rBV2	1529934	1343590	48.62%	3.502%
17	9.845	1317	1319	1323	rVB	425214	357623	12.94%	0.932%
18	9.975	1336	1341	1343	rBV2	52763	59772	2.16%	0.156%
19	10.016	1345	1348	1352	rVB	253153	220886	7.99%	0.576%
20	10.363	1403	1407	1413	rBV	282395	279458	10.11%	0.728%
21	10.428	1416	1418	1420	rVV	80521	68624	2.48%	0.179%
22	10.451	1420	1422	1424	rVV	65327	57957	2.10%	0.151%
23	10.516	1431	1433	1438	rVB	110341	109486	3.96%	0.285%
24	10.598	1443	1447	1451	rVV	497323	451113	16.32%	1.176%
25	10.728	1465	1469	1476	rVB2	114290	131179	4.75%	0.342%
26	10.910	1493	1500	1502	rBV4	80059	131252	4.75%	0.342%
27	10.933	1502	1504	1507	rVV2	62437	61052	2.21%	0.159%
28	11.039	1517	1522	1523	rBV3	74641	88647	3.21%	0.231%
29	11.057	1523	1525	1528	rVV2	89484	96391	3.49%	0.251%
30	11.104	1530	1533	1537	rVB	153025	150319	5.44%	0.392%
31	11.151	1537	1541	1544	rBV2	70590	115501	4.18%	0.301%
32	11.192	1546	1548	1555	rVB	161378	178268	6.45%	0.465%
33	11.298	1562	1566	1568	rBV	1151534	1075063	38.90%	2.802%
34	11.328	1568	1571	1574	rVV	2821926	2350564	85.06%	6.127%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.375	1574	1579	1582	rVV	755292	624669	22.60%	1.628%
36	11.528	1599	1605	1607	rBV2	184510	183518	6.64%	0.478%
37	11.598	1614	1617	1620	rBV2	121828	98706	3.57%	0.257%
38	11.628	1620	1622	1628	rVB2	73517	72125	2.61%	0.188%
39	11.798	1646	1651	1654	rVV	379280	367606	13.30%	0.958%
40	11.828	1654	1656	1660	rVB	542502	418551	15.15%	1.091%
41	11.875	1660	1664	1667	rBV	220362	204027	7.38%	0.532%
42	11.910	1667	1670	1673	rVV	548926	605076	21.89%	1.577%
43	11.933	1673	1674	1677	rVB	273653	148790	5.38%	0.388%
44	12.098	1699	1702	1703	rBV	277714	227018	8.21%	0.592%
45	12.116	1703	1705	1709	rVB	220143	177026	6.41%	0.461%
46	12.245	1724	1727	1730	rBV	102402	75990	2.75%	0.198%
47	12.298	1734	1736	1738	rVB	90207	68637	2.48%	0.179%
48	12.351	1738	1745	1748	rBV	230049	262735	9.51%	0.685%
49	12.386	1748	1751	1753	rVV	116530	145258	5.26%	0.379%
50	12.433	1756	1759	1764	rVB	200858	223379	8.08%	0.582%
51	12.516	1768	1773	1776	rBV	2657982	2449703	88.64%	6.385%
52	12.569	1776	1782	1786	rBV3	52582	88497	3.20%	0.231%
53	12.639	1790	1794	1796	rBV2	83581	107452	3.89%	0.280%
54	12.663	1796	1798	1802	rVB	71875	70396	2.55%	0.183%
55	12.745	1805	1812	1815	rBV	2292016	2763536	100.00%	7.203%
56	12.786	1817	1819	1824	rVB2	114670	133416	4.83%	0.348%
57	12.857	1828	1831	1833	rBV	135411	117376	4.25%	0.306%
58	12.886	1833	1836	1842	rVB2	518034	587154	21.25%	1.530%
59	12.957	1842	1848	1851	rBV2	192059	311402	11.27%	0.812%
60	13.039	1859	1862	1864	rVV3	138704	151250	5.47%	0.394%
61	13.063	1864	1866	1869	rVB	293501	254726	9.22%	0.664%
62	13.098	1869	1872	1875	rBV3	42562	57685	2.09%	0.150%
63	13.133	1875	1878	1880	rBV2	157317	145921	5.28%	0.380%
64	13.169	1880	1884	1887	rBV	303200	303270	10.97%	0.790%
65	13.263	1896	1900	1902	rVB	141440	133291	4.82%	0.347%
66	13.292	1902	1905	1908	rBV	184715	152643	5.52%	0.398%
67	13.369	1915	1918	1923	rBV4	41739	64554	2.34%	0.168%
68	13.439	1927	1930	1932	rBV4	44724	57073	2.07%	0.149%
69	13.569	1948	1952	1958	rVV	228696	244252	8.84%	0.637%
70	13.680	1966	1971	1974	rBV2	202334	300153	10.86%	0.782%
71	13.710	1974	1976	1978	rVV	233093	202322	7.32%	0.527%

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72	13.733	1978	1980	1984	rVV2	189981	234604	8.49%	0.612%
73	13.774	1984	1987	1995	rVB2	222327	273056	9.88%	0.712%
74	13.927	2006	2013	2017	rBV3	1578236	2452962	88.76%	6.394%
75	13.963	2017	2019	2024	rVB	1165540	990194	35.83%	2.581%
76	14.039	2030	2032	2035	rVB	145675	106739	3.86%	0.278%
77	14.116	2043	2045	2048	rVB2	86195	82847	3.00%	0.216%
78	14.157	2048	2052	2055	rVV2	90129	119787	4.33%	0.312%
79	14.286	2071	2074	2075	rBV	74099	66002	2.39%	0.172%
80	14.321	2075	2080	2083	rVV	248870	305125	11.04%	0.795%
81	14.351	2083	2085	2089	rVV	160719	162130	5.87%	0.423%
82	14.392	2089	2092	2093	rVV2	59700	71778	2.60%	0.187%
83	14.410	2093	2095	2098	rVV3	132128	150477	5.45%	0.392%
84	14.445	2098	2101	2103	rVV	129220	154072	5.58%	0.402%
85	14.463	2103	2104	2108	rVV3	98184	106439	3.85%	0.277%
86	14.516	2111	2113	2118	rVB3	79130	90023	3.26%	0.235%
87	14.616	2127	2130	2133	rBV2	83468	90701	3.28%	0.236%
88	14.698	2141	2144	2147	rBV5	55426	70886	2.57%	0.185%
89	14.780	2155	2158	2160	rBV2	70049	84464	3.06%	0.220%
90	14.868	2170	2173	2176	rBV2	54851	60640	2.19%	0.158%
91	14.957	2183	2188	2195	rBV	871830	1742749	63.06%	4.543%
92	15.057	2202	2205	2208	rVB	191897	194703	7.05%	0.508%
93	15.245	2233	2237	2243	rVB	508442	646659	23.40%	1.686%
94	15.310	2243	2248	2253	rVB	740840	882147	31.92%	2.299%
95	15.368	2253	2258	2261	rBV	595085	745583	26.98%	1.943%
96	15.398	2261	2263	2269	rVB2	226423	284077	10.28%	0.740%
97	16.604	2462	2468	2475	rVB5	60612	153992	5.57%	0.401%
98	16.762	2489	2495	2502	rVB2	261464	511804	18.52%	1.334%
99	17.180	2560	2566	2580	rVB	204329	438289	15.86%	1.142%
100	17.404	2600	2604	2610	rVB	43575	76245	2.76%	0.199%

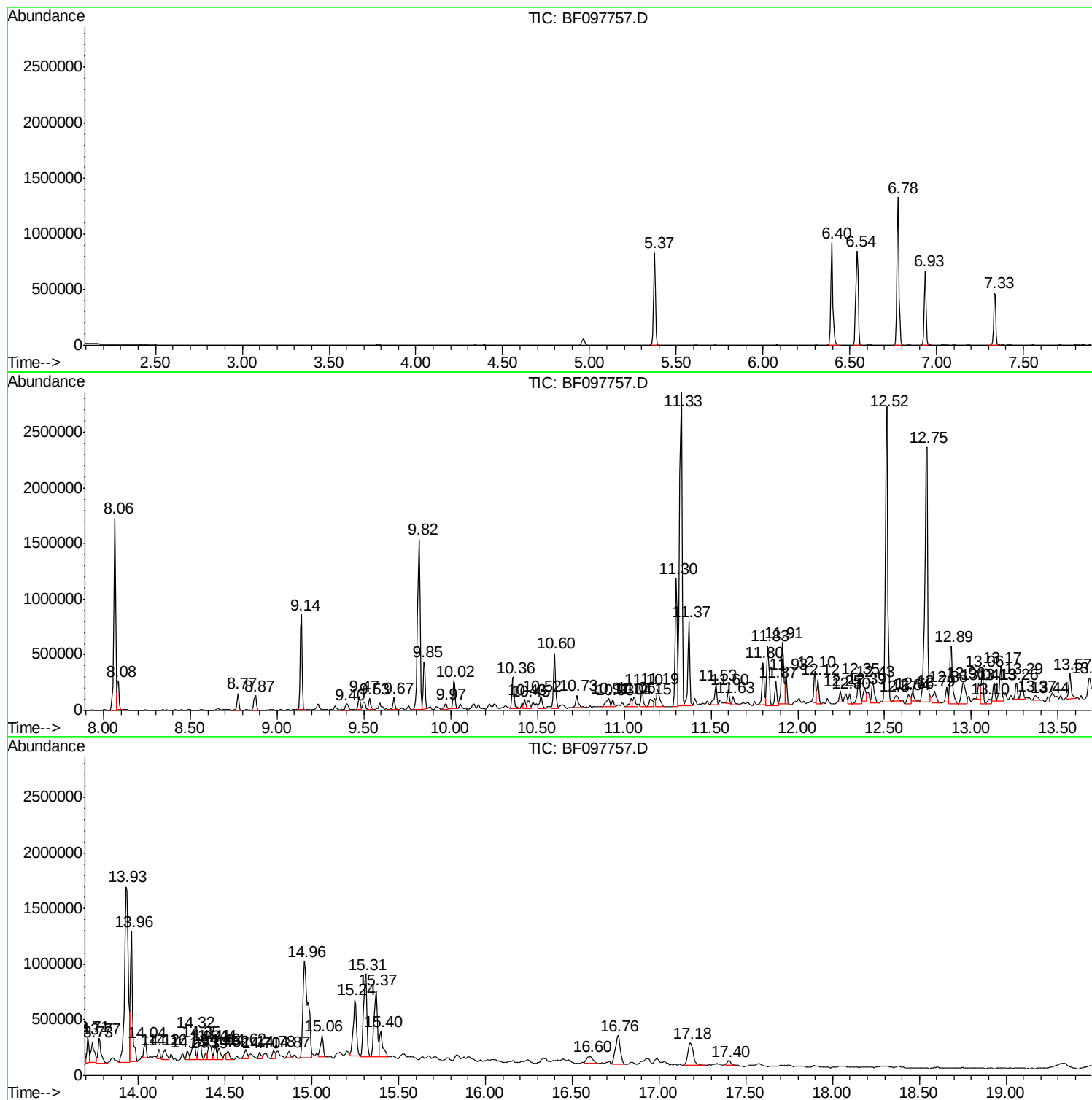
Sum of corrected areas: 38364431

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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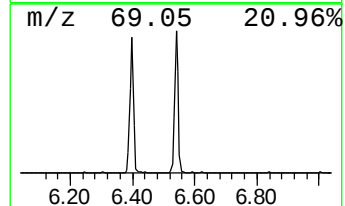
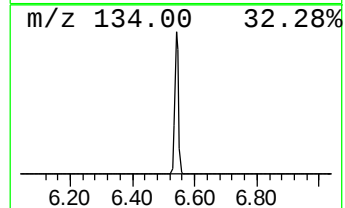
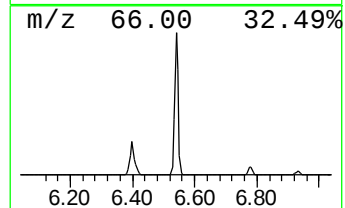
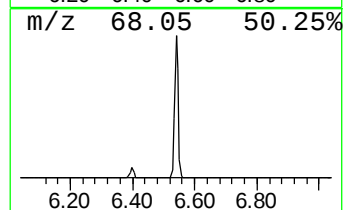
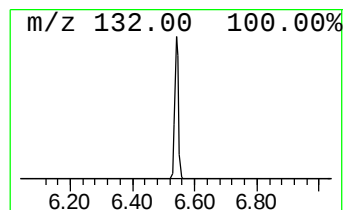
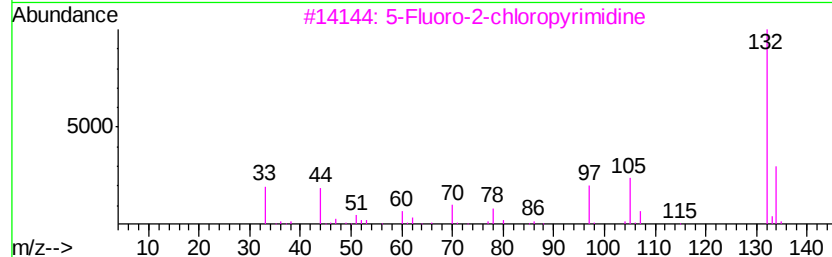
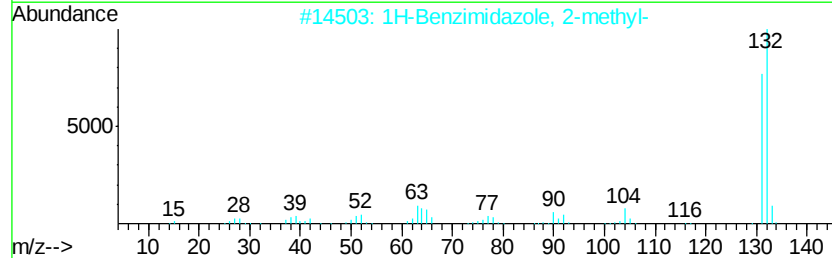
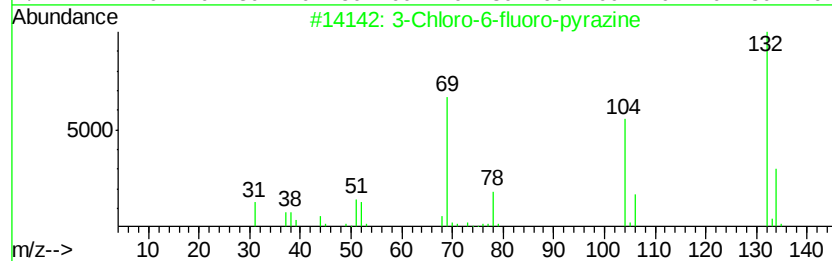
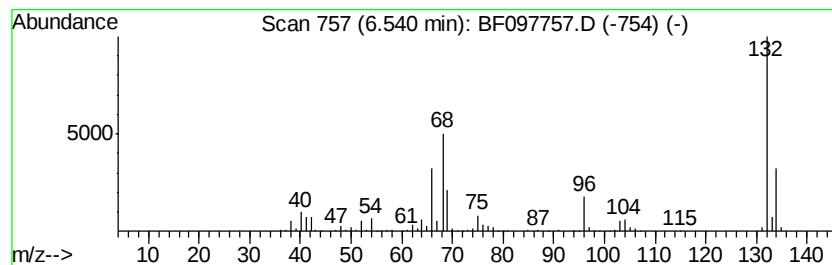
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.54 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	13.23 ng	717397	1,4-Dichlorobenzene-d4	6.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4			2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5			(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10



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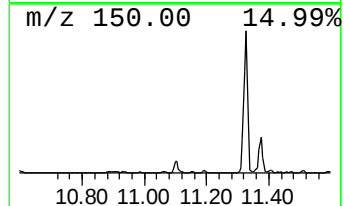
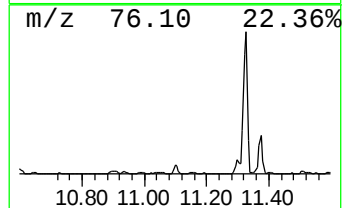
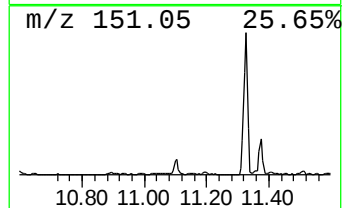
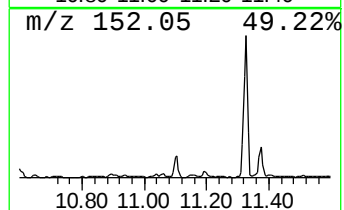
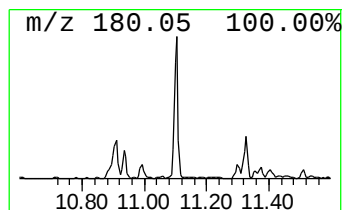
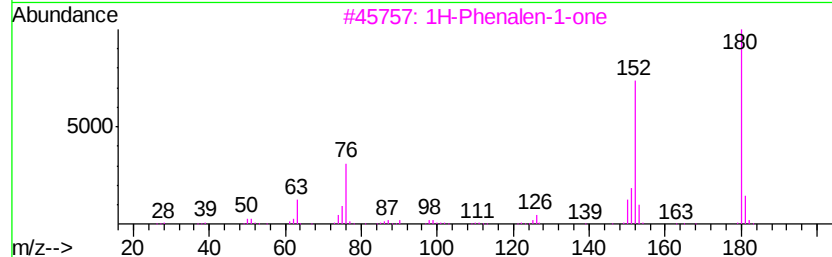
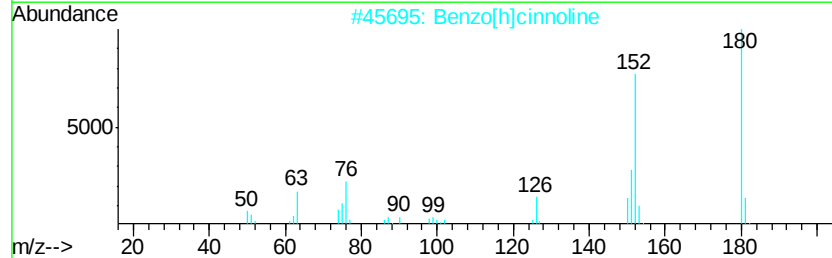
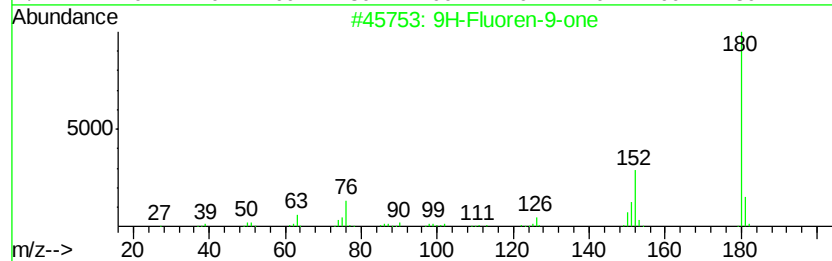
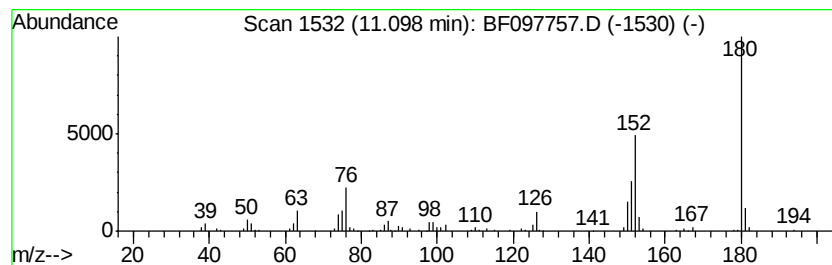
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.10	2.80 ng	150319	Phenanthrene-d10		11.30	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4		Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	47
5		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	47



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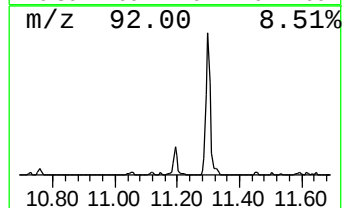
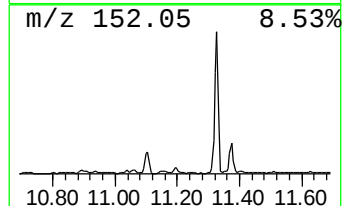
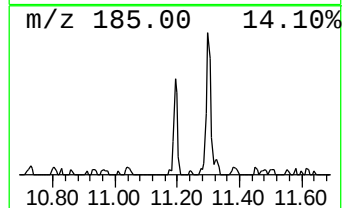
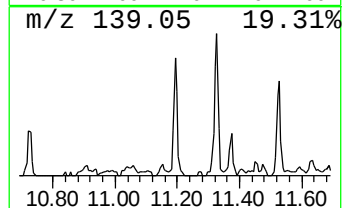
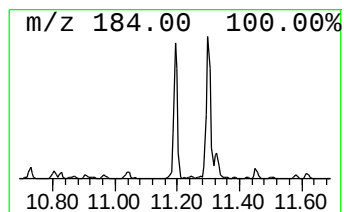
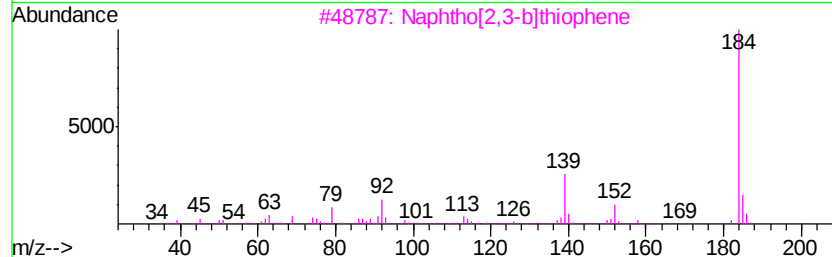
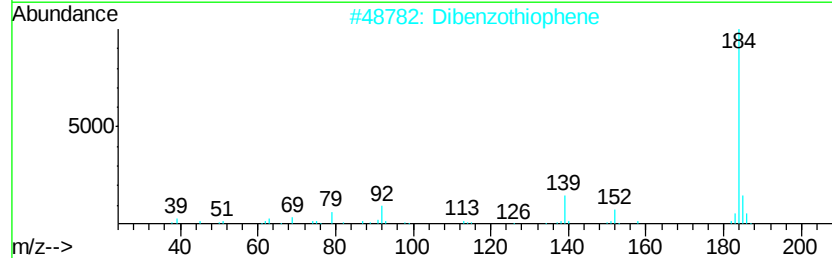
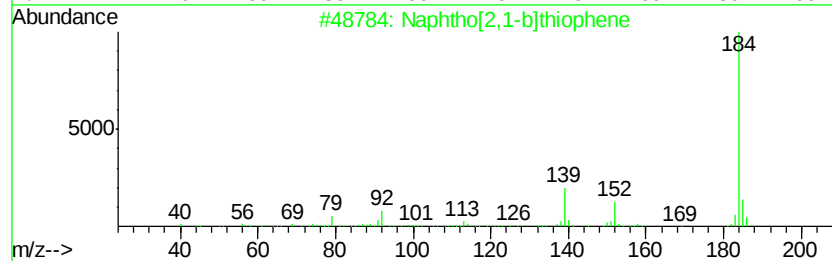
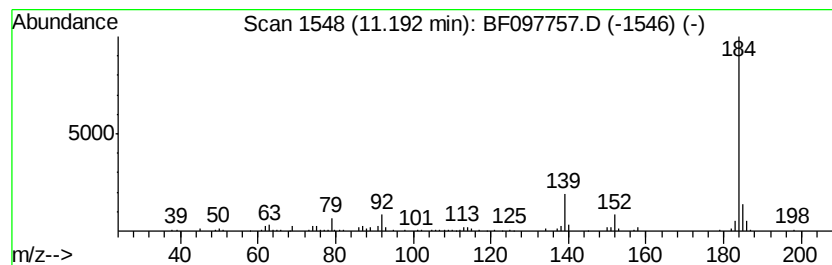
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Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	3.32 ng	178268	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
Operator : SJ/JU
Sample : I4739-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S11-WC-7

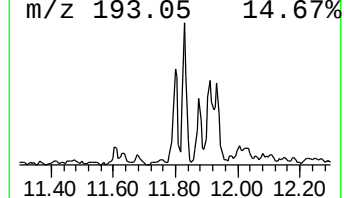
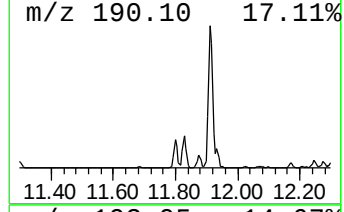
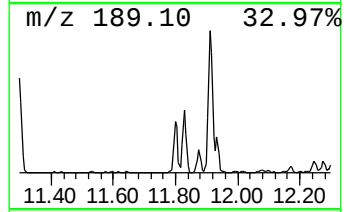
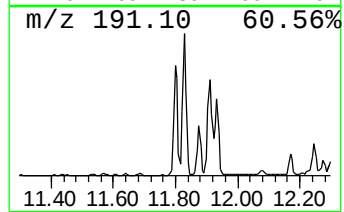
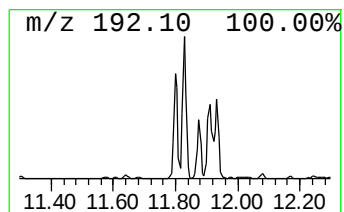
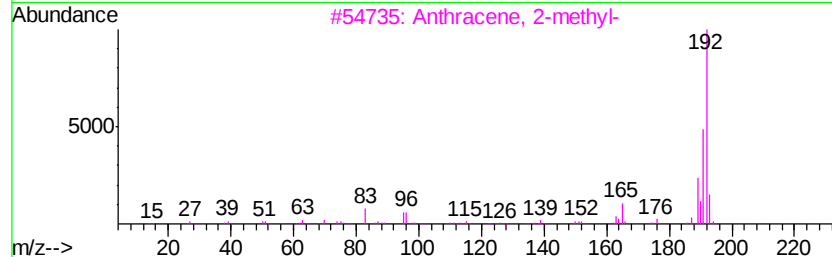
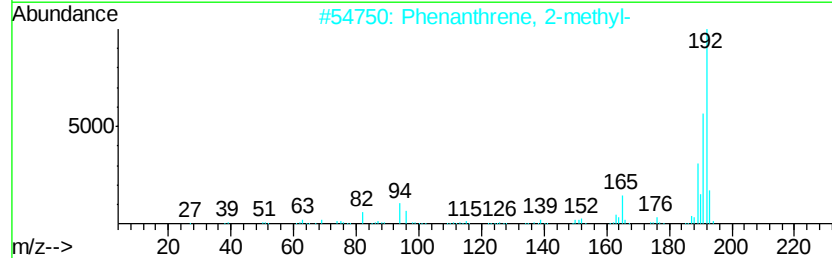
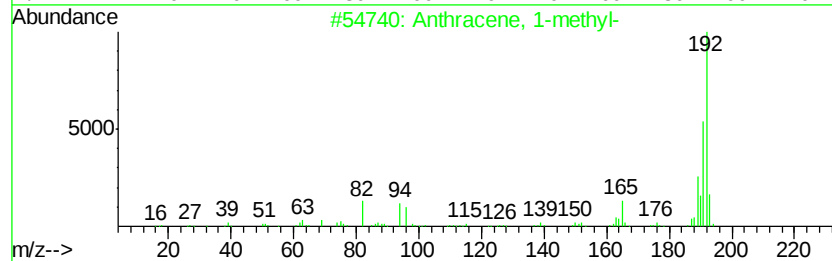
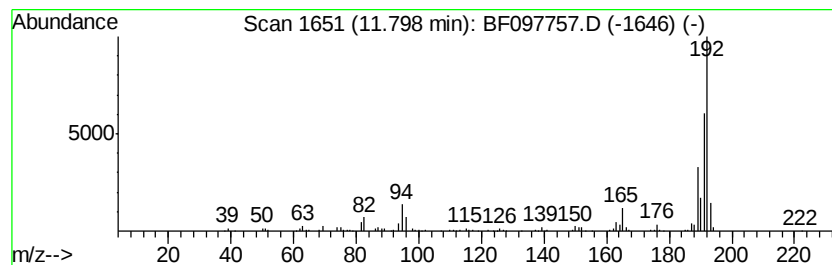
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.84 ng	367606	Phenanthrene-d10	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
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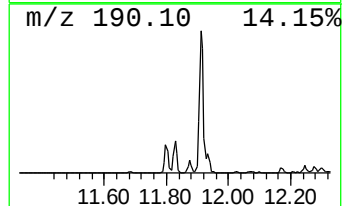
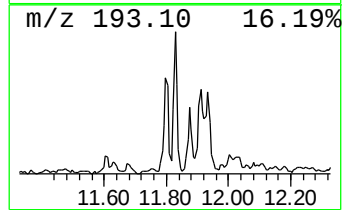
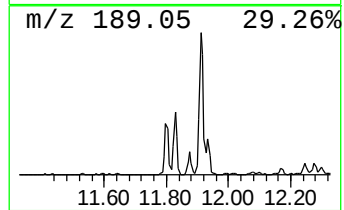
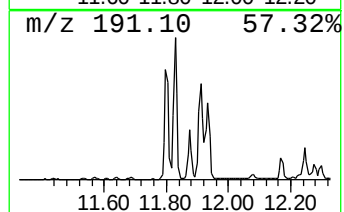
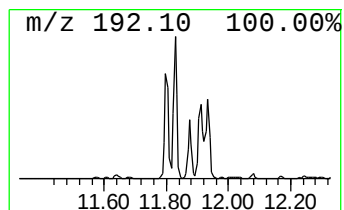
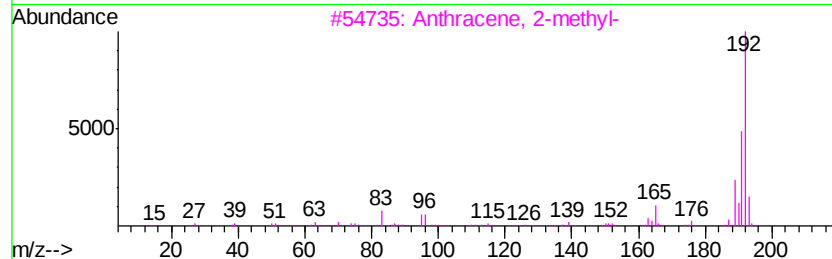
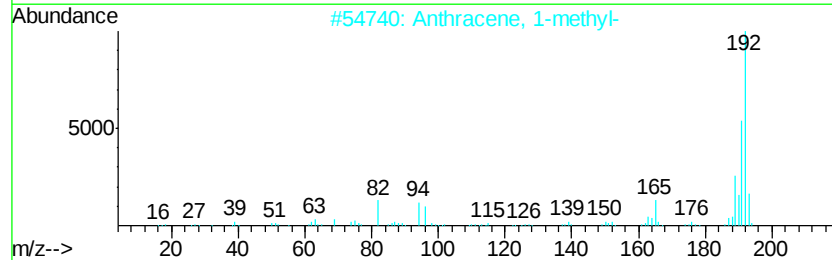
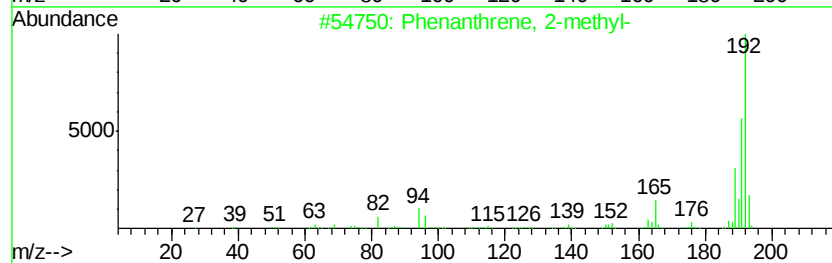
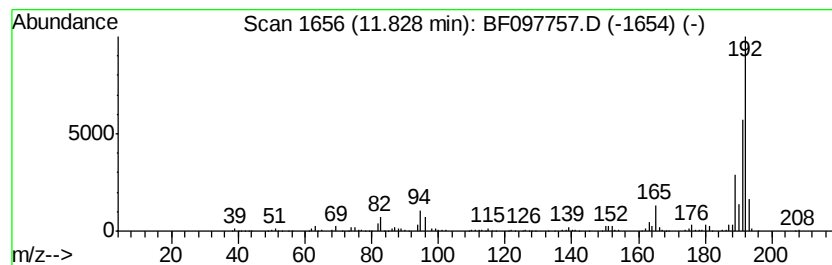
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	7.79 ng	418551	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
Operator : SJ/JU
Sample : I4739-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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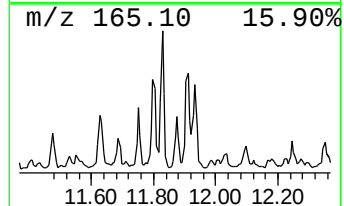
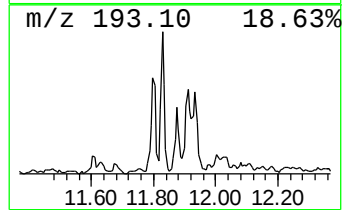
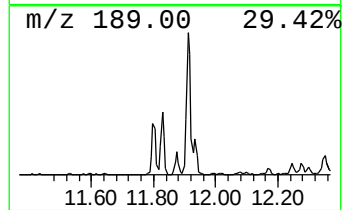
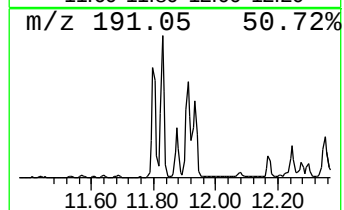
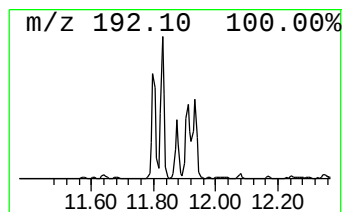
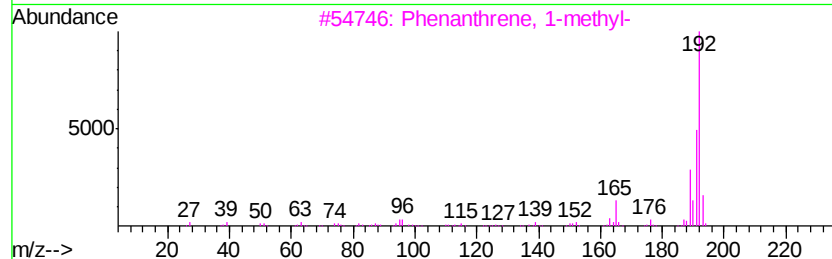
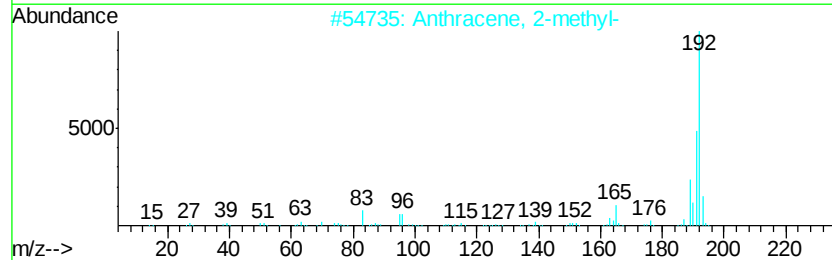
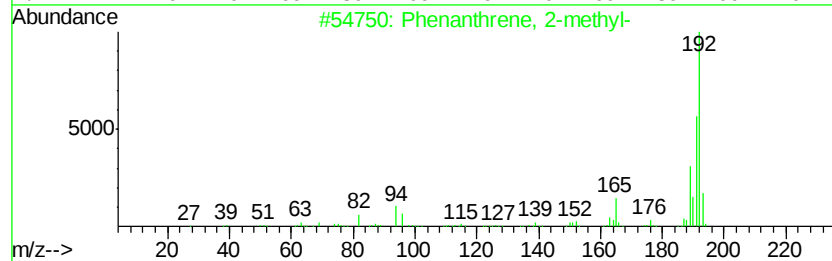
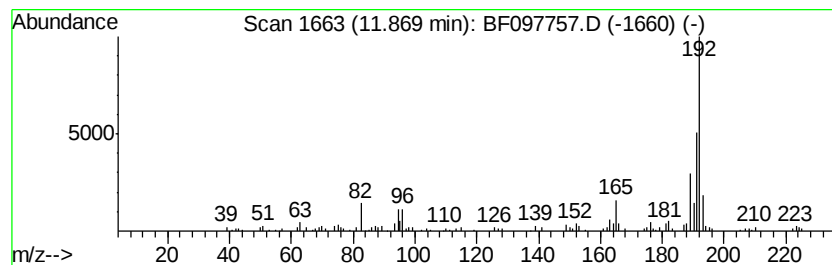
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.80 ng	204027	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
Operator : SJ/JU
Sample : I4739-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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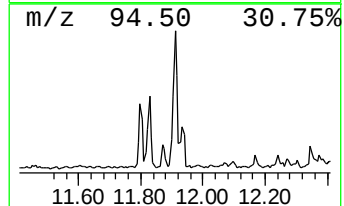
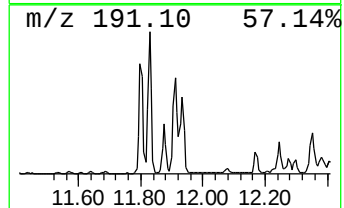
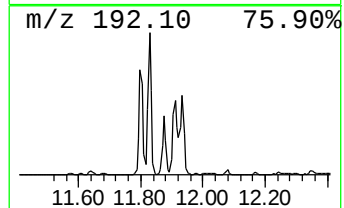
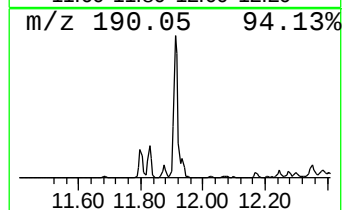
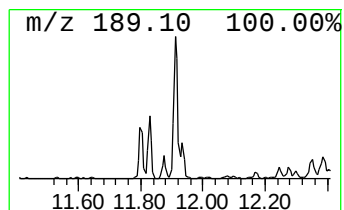
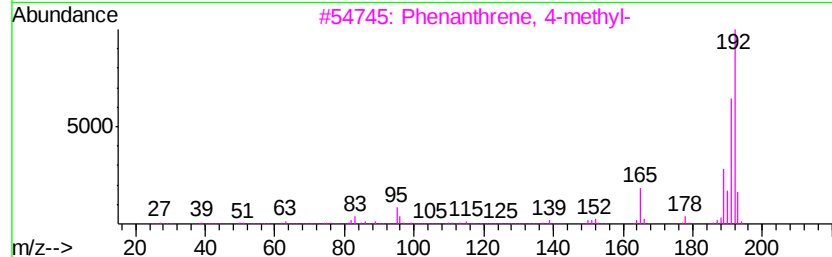
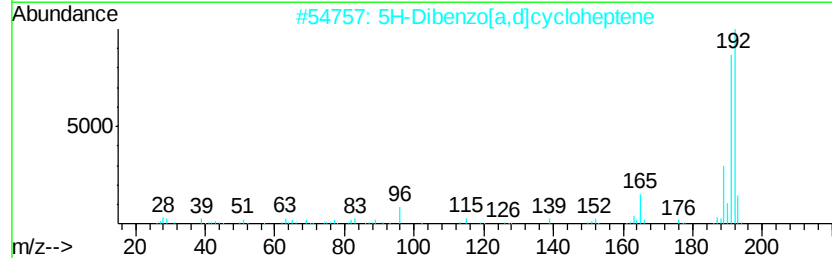
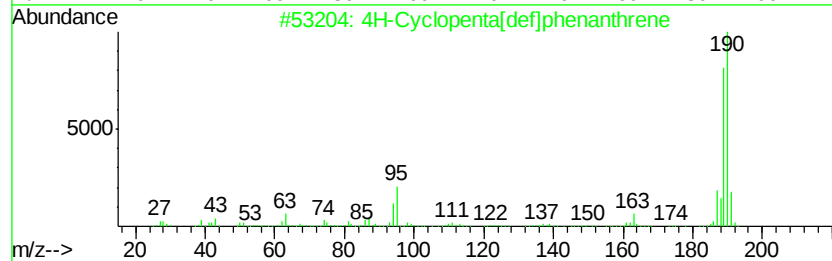
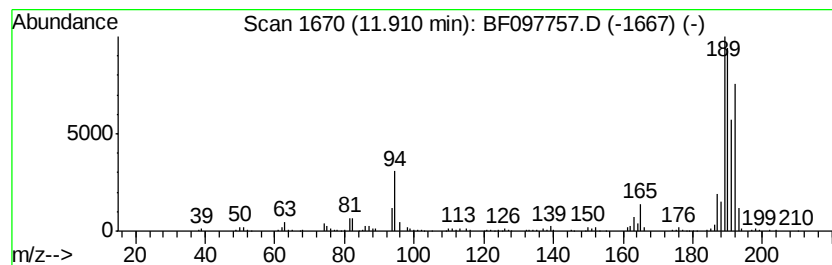
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	11.26 ng	605076	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38
5		Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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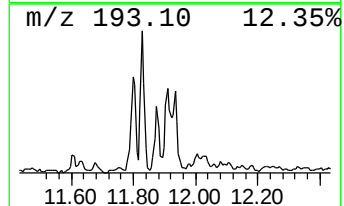
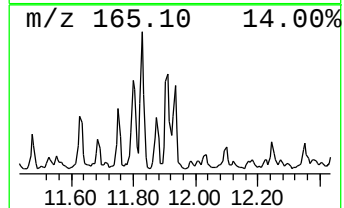
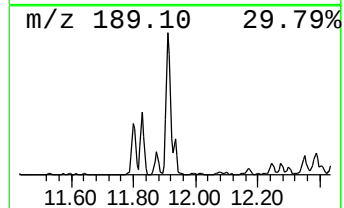
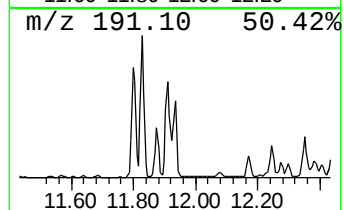
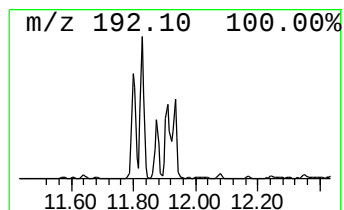
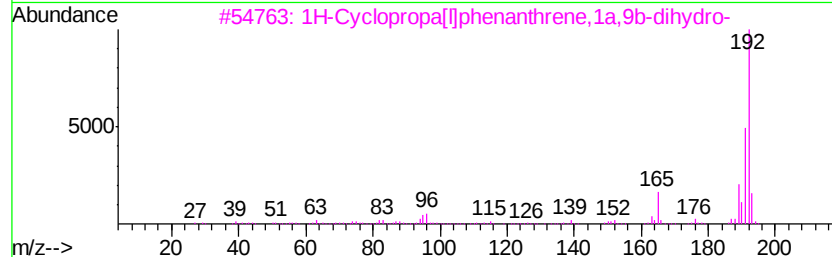
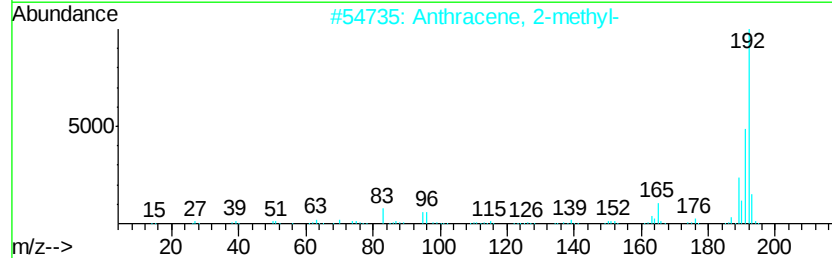
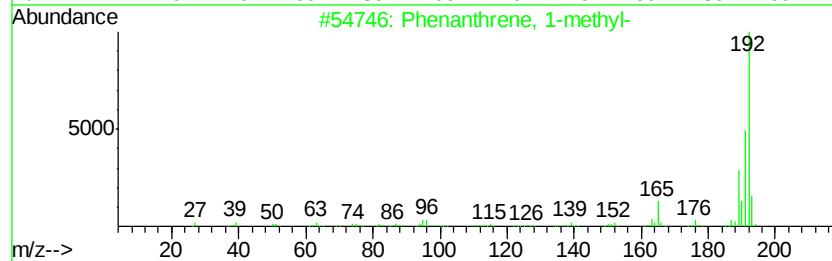
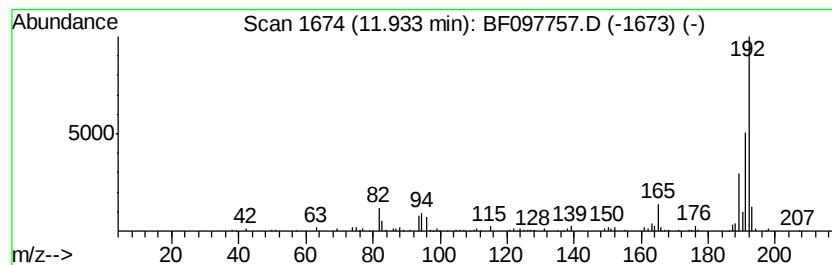
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.77 ng	148790	Phenanthrene-d10	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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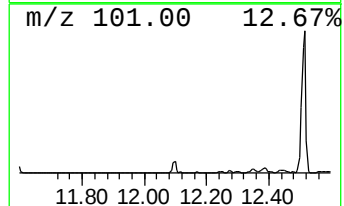
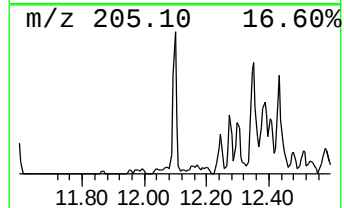
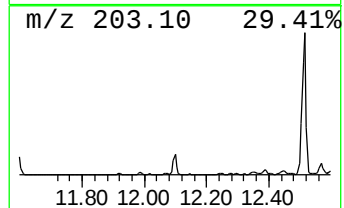
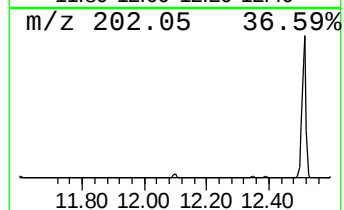
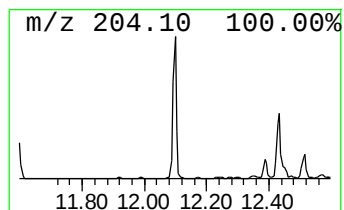
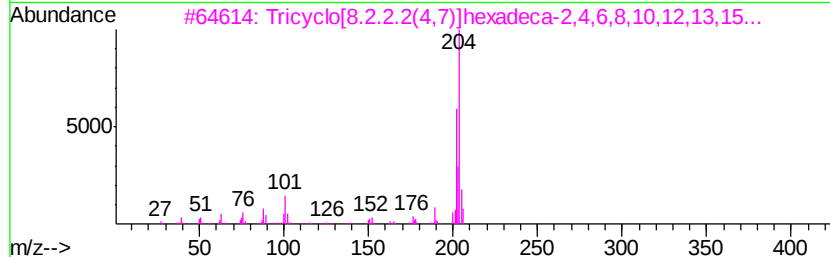
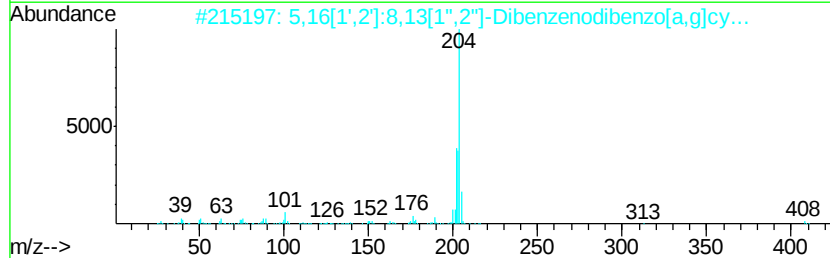
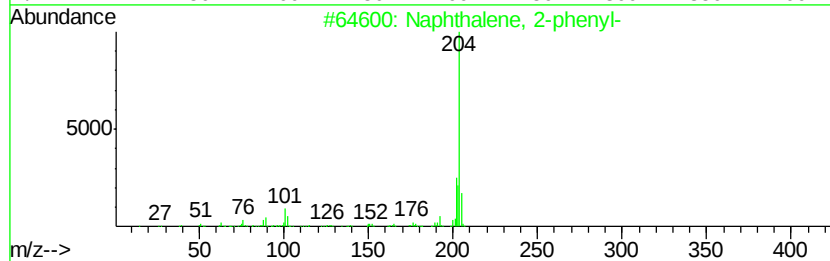
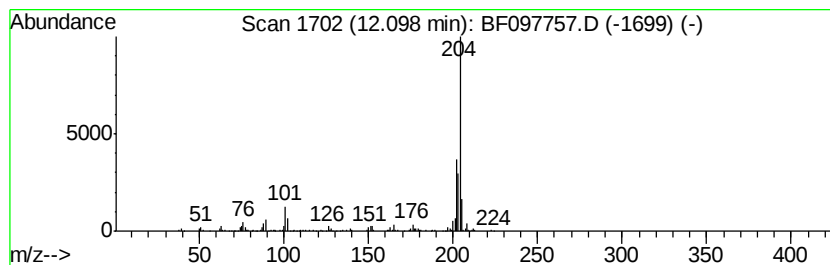
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	4.22 ng	227018	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
Operator : SJ/JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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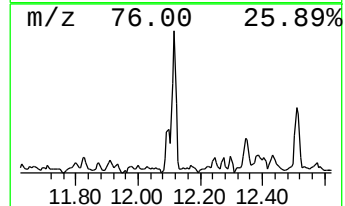
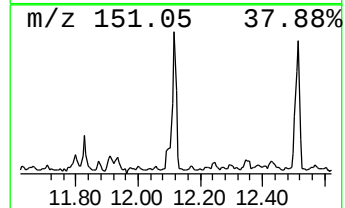
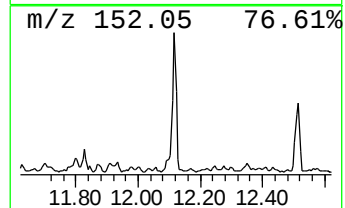
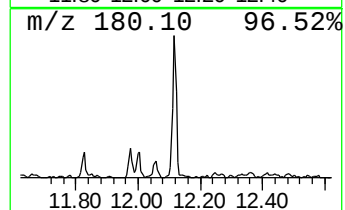
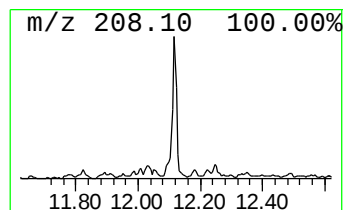
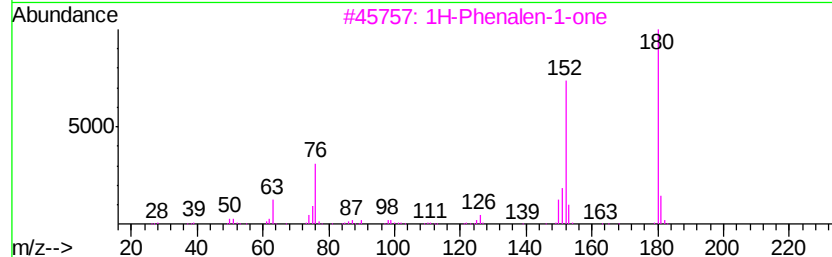
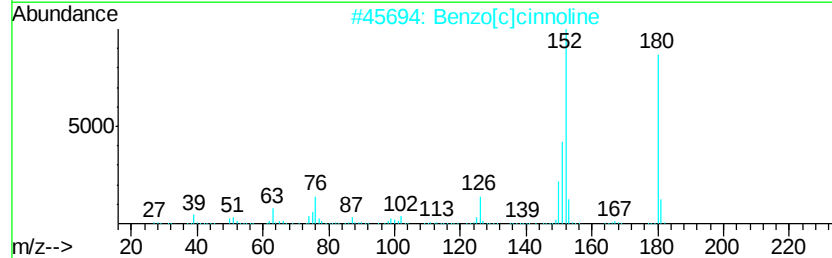
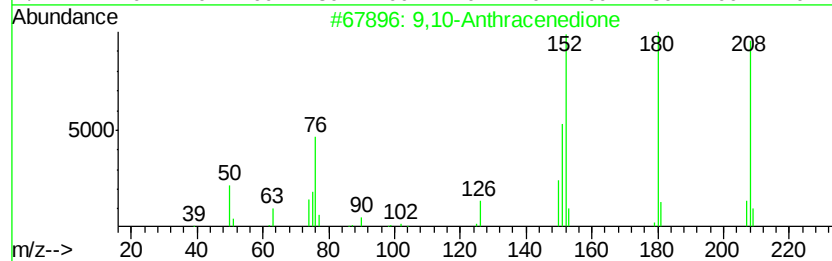
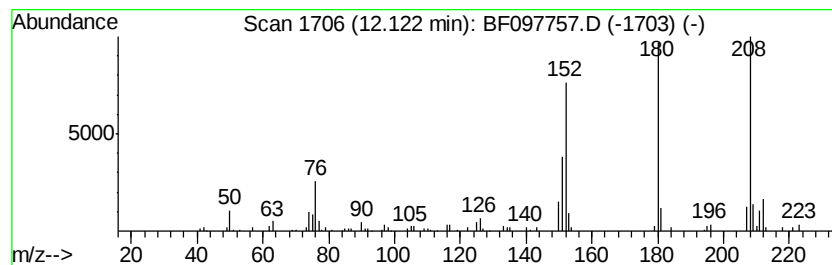
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.29 ng	177026	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	46
5		1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
Operator : SJ/JU
Sample : I4739-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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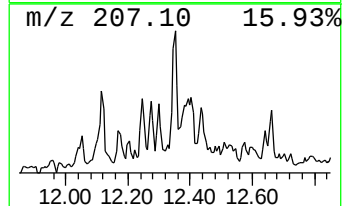
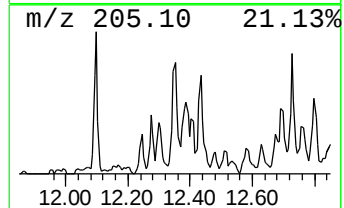
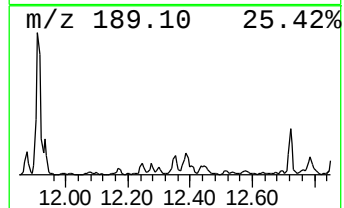
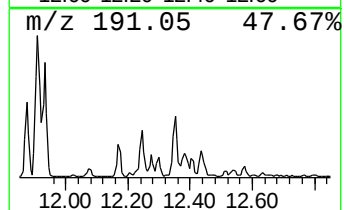
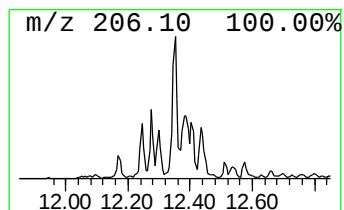
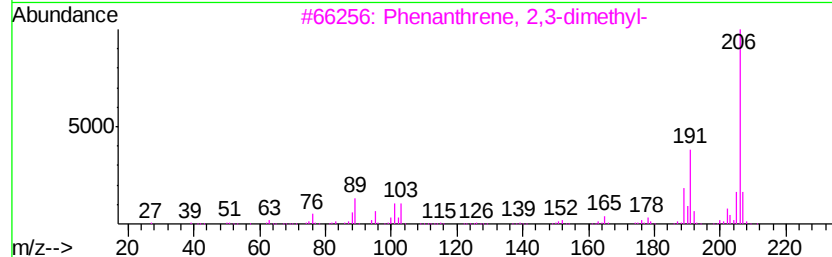
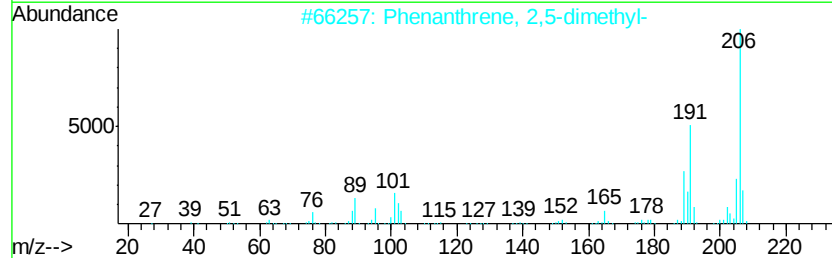
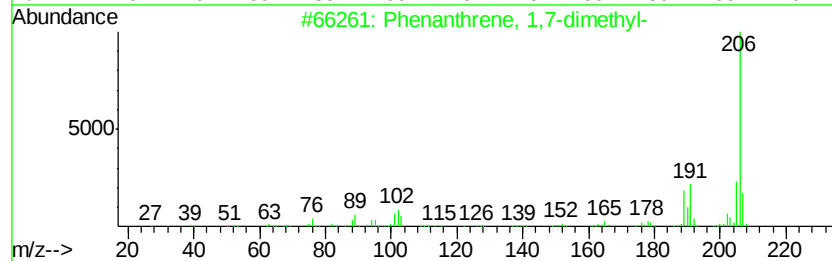
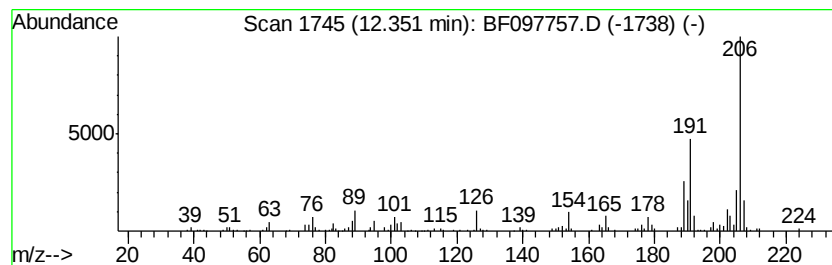
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.89 ng	262735	Phenanthrene-d10	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	90
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
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Sample : I4739-07 5X
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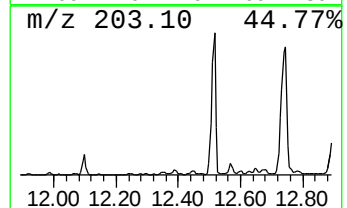
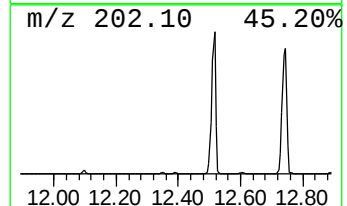
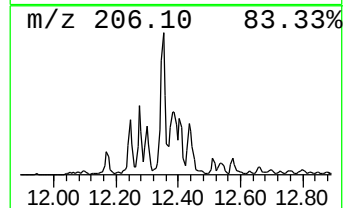
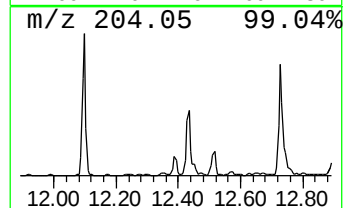
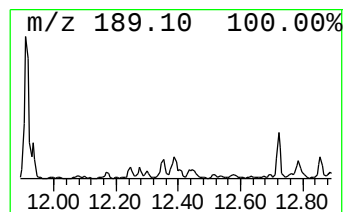
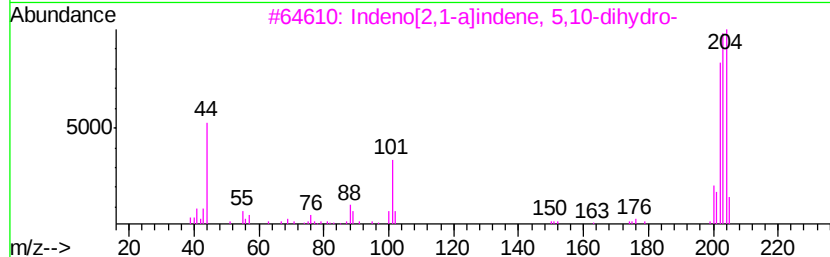
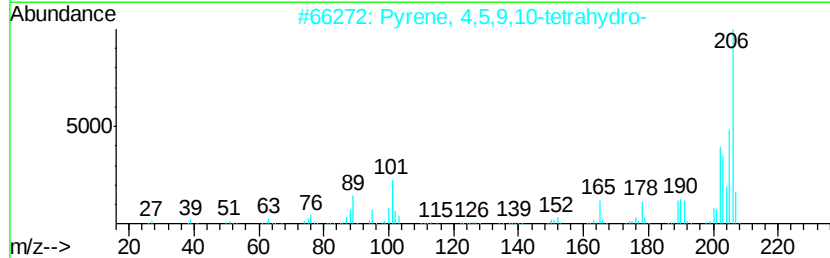
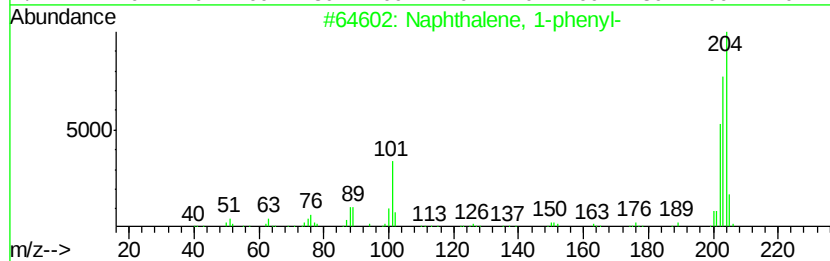
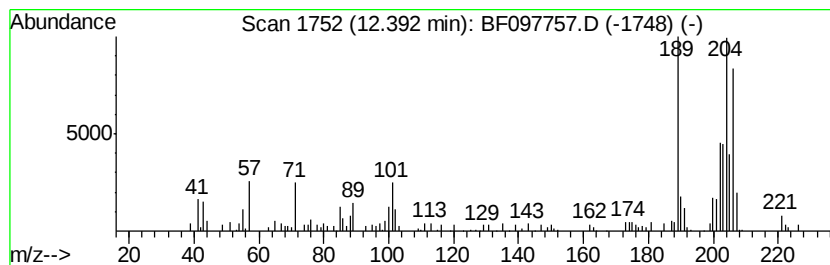
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.39	2.70 ng	145258	Phenanthrene-d10	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	43
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
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Acq On : 16 Aug 2017 23:50
Operator : SJ/JU
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Misc :
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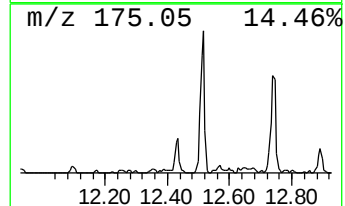
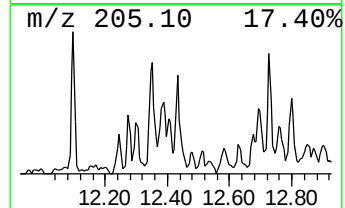
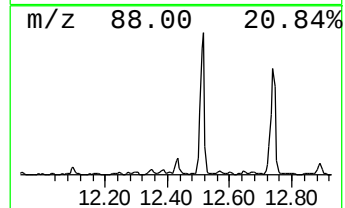
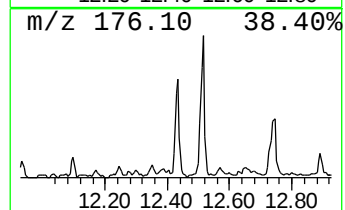
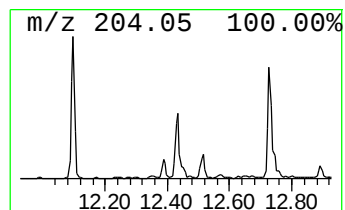
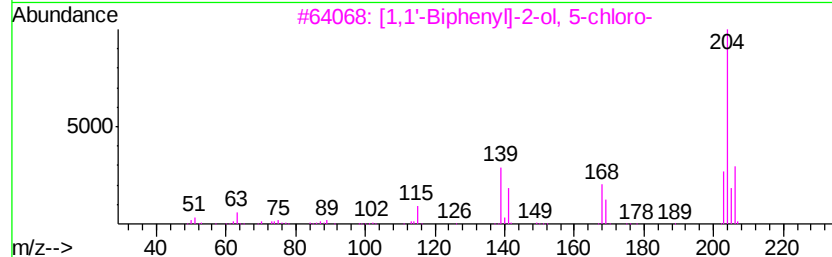
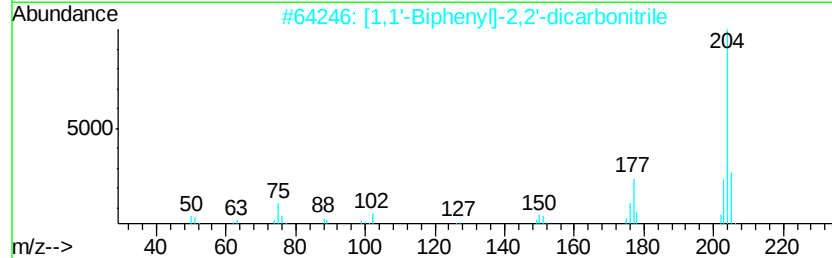
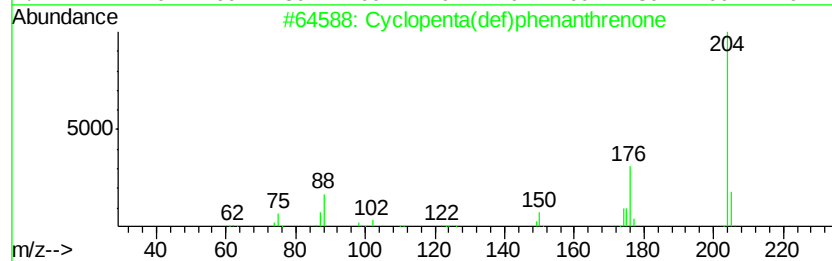
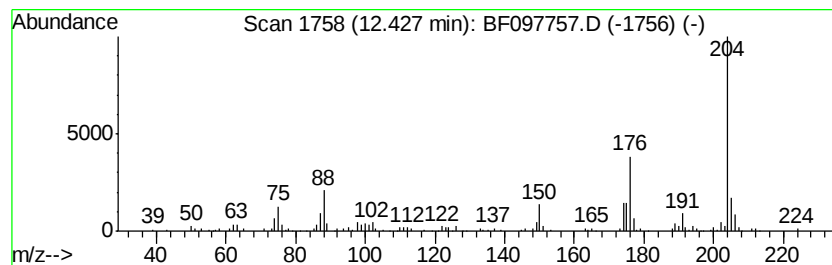
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	4.16 ng	223379	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
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Acq On : 16 Aug 2017 23:50
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Sample : I4739-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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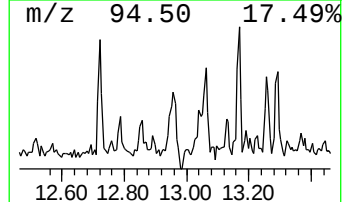
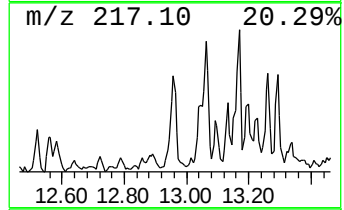
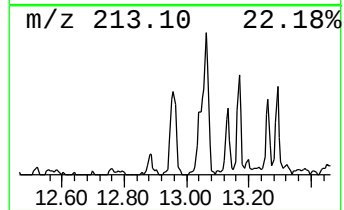
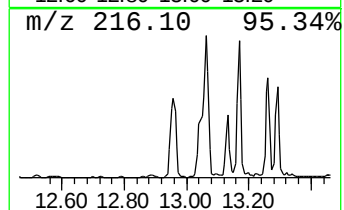
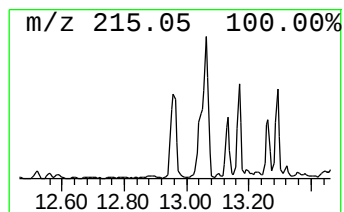
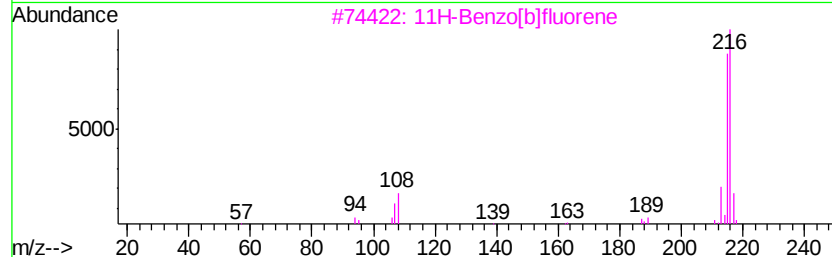
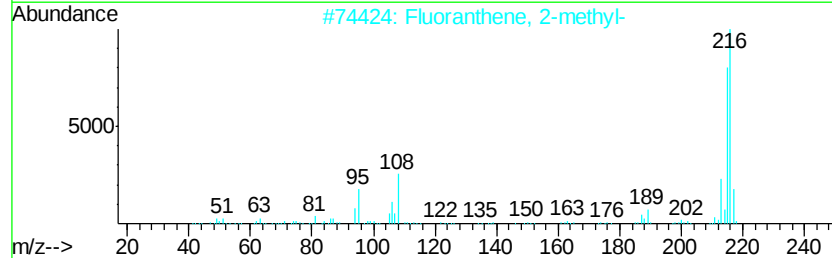
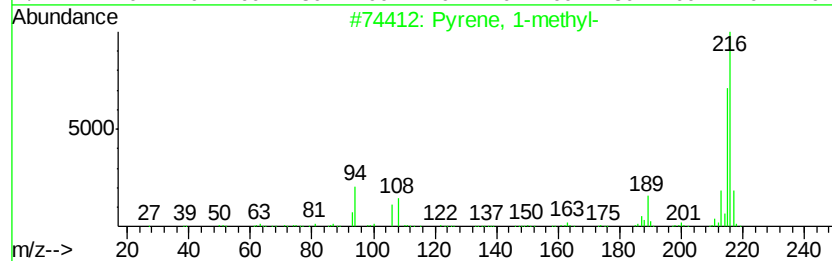
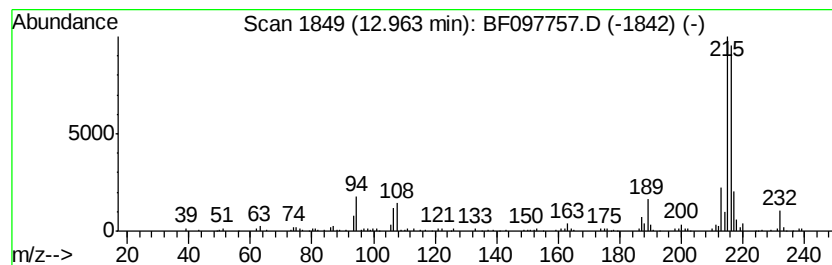
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.54 ng	311402	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
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\BF081617\
Data File : BF097757.D
Acq On : 16 Aug 2017 23:50
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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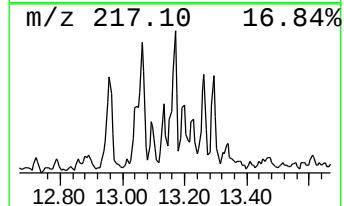
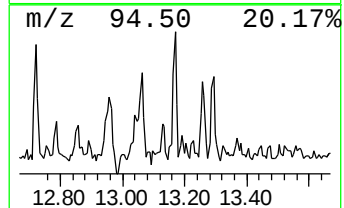
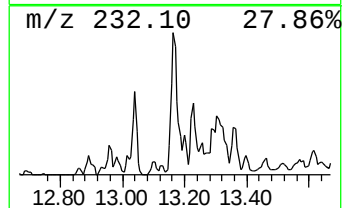
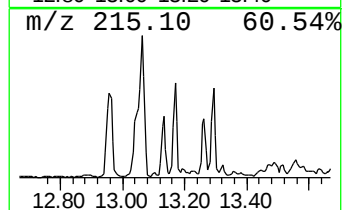
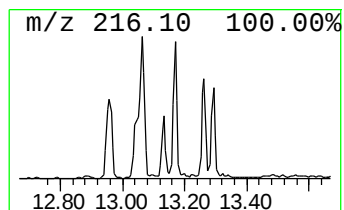
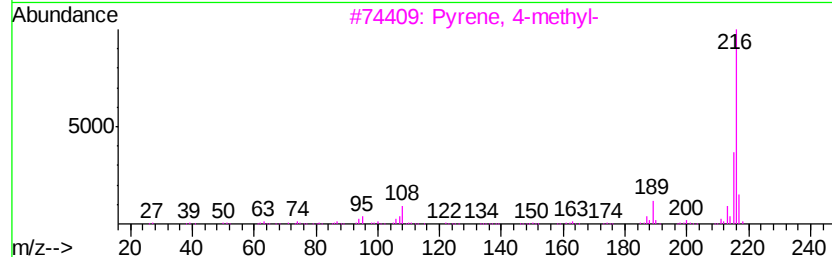
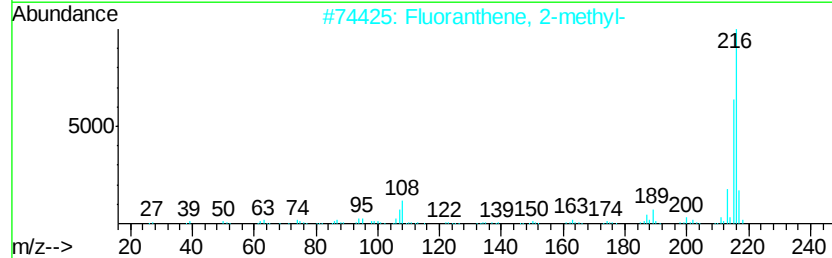
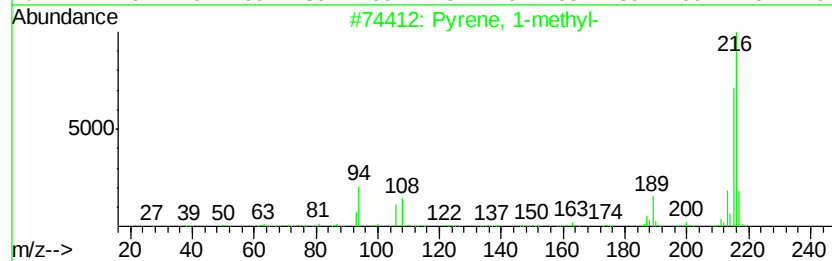
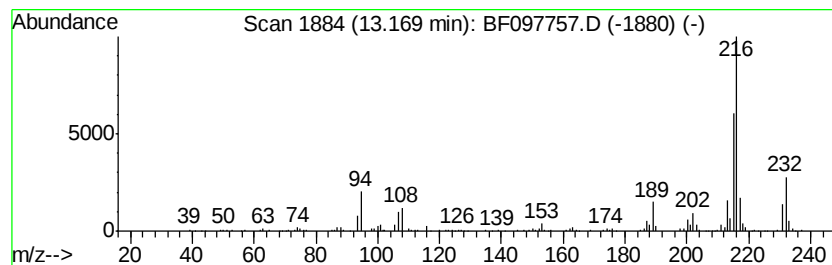
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.47 ng	303270	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
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Misc :
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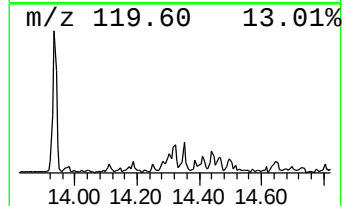
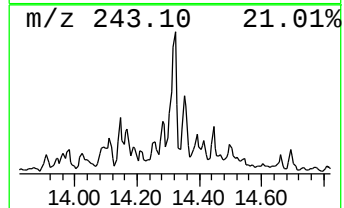
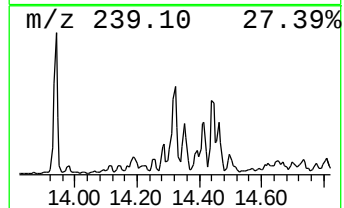
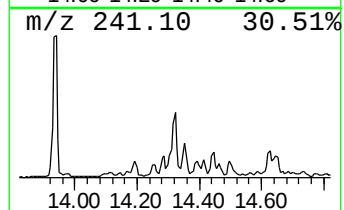
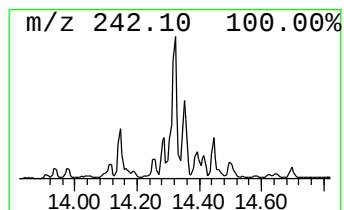
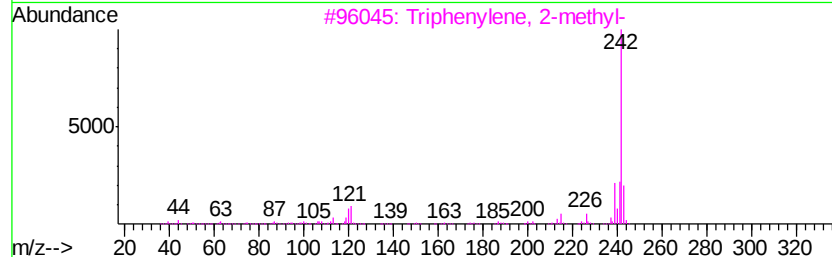
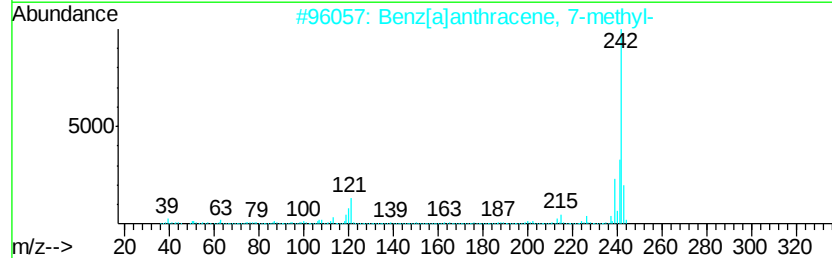
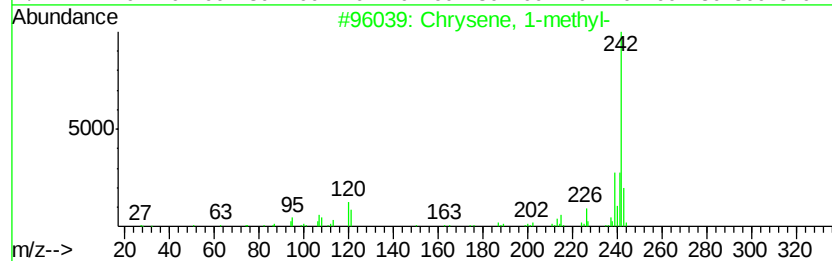
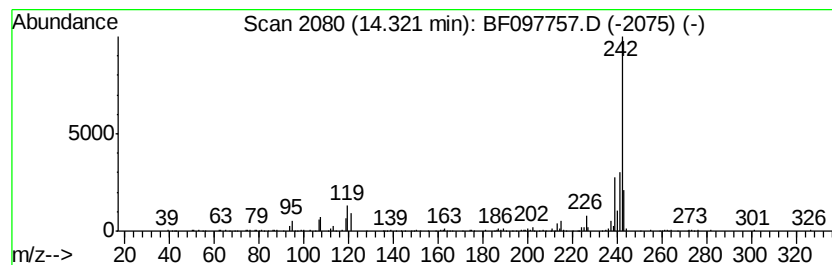
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Chrysene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.49 ng	305125	Chrysene-d12	13.94
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Chrysene, 1-methyl-	242 C19H14	003351-28-8 96
2		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 96
3		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 95
4		Chrysene, 3-methyl-	242 C19H14	003351-31-3 93
5		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
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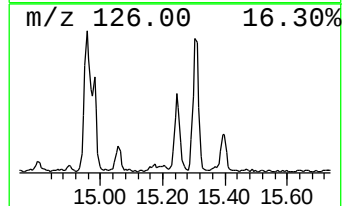
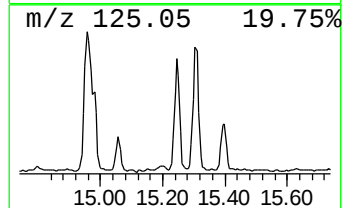
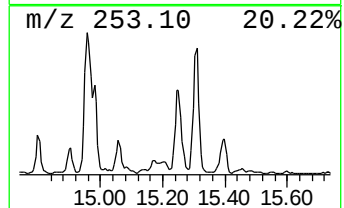
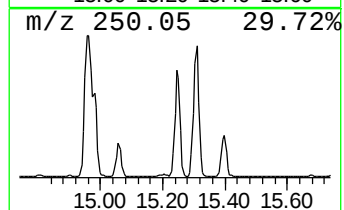
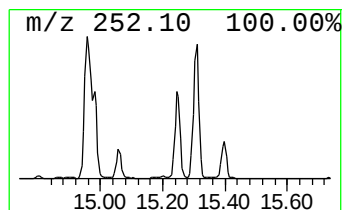
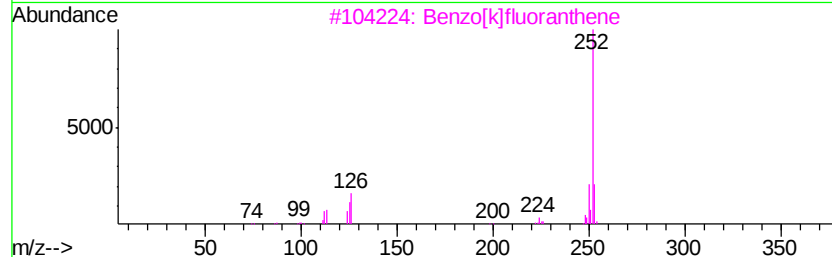
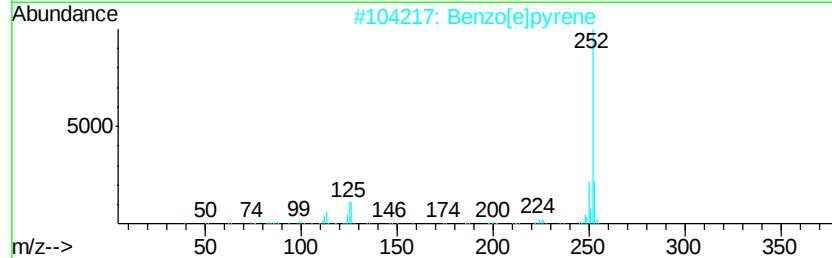
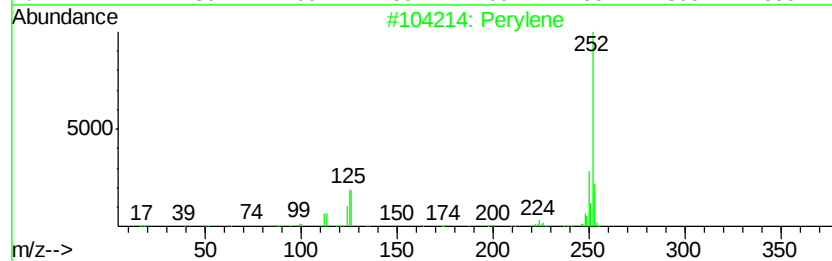
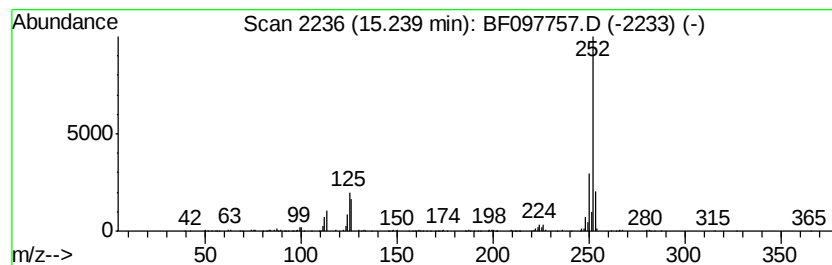
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	17.35 ng	646659	Perylene-d12	15.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
 Data File : BF097757.D
 Acq On : 16 Aug 2017 23:50
 Operator : SJ/JU
 Sample : I4739-07 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.54	6.54	13.2	ng	717397	1	6.78	1084430	20.0
9H-Fluoren-9-one	11.10	2.8	ng	150319	4	11.30	1075060	20.0
Naphtho[2,1-b]thi...	11.19	3.3	ng	178268	4	11.30	1075060	20.0
Anthracene, 1-met...	11.80	6.8	ng	367606	4	11.30	1075060	20.0
Phenanthrene, 2-m...	11.83	7.8	ng	418551	4	11.30	1075060	20.0
Anthracene, 2-met...	11.87	3.8	ng	204027	4	11.30	1075060	20.0
4H-Cyclopenta[def...	11.91	11.3	ng	605076	4	11.30	1075060	20.0
Phenanthrene, 1-m...	11.93	2.8	ng	148790	4	11.30	1075060	20.0
Naphthalene, 2-ph...	12.10	4.2	ng	227018	4	11.30	1075060	20.0
9,10-Anthracenedione	12.12	3.3	ng	177026	4	11.30	1075060	20.0
Phenanthrene, 1,7...	12.35	4.9	ng	262735	4	11.30	1075060	20.0
Naphthalene, 1-ph...	12.39	2.7	ng	145258	4	11.30	1075060	20.0
Cyclopenta(def)ph...	12.43	4.2	ng	223379	4	11.30	1075060	20.0
Pyrene, 1-methyl-	12.96	2.5	ng	311402	5	13.94	2452960	20.0
Fluoranthene, 2-m...	13.17	2.5	ng	303270	5	13.94	2452960	20.0
Chrysene, 1-methyl-	14.32	2.5	ng	305125	5	13.94	2452960	20.0
Perylene	15.24	17.4	ng	646659	6	15.37	745583	20.0