

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097290.D
 Acq On : 2 Aug 2017 23:02
 Operator : SJ/JU
 Sample : I4540-21 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

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-BF072517.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	4.557	451	454	470	rBV	140687	205944	18.32%	1.098%
2	5.045	534	537	552	rBV	586156	762369	67.81%	4.065%
3	6.116	716	719	734	rBV	540236	782036	69.56%	4.170%
4	6.222	734	737	744	rVB	776587	768143	68.32%	4.096%
5	6.451	772	776	786	rVB	730702	721992	64.22%	3.850%
6	6.604	799	802	814	rVB	612821	535796	47.66%	2.857%
7	7.016	869	872	880	rBV	449519	424879	37.79%	2.265%
8	7.734	990	994	1003	rBV	1199813	984848	87.60%	5.251%
9	8.810	1173	1177	1180	rBV	964470	752546	66.93%	4.012%
10	9.145	1231	1234	1236	rBV	29720	26337	2.34%	0.140%
11	9.210	1242	1245	1250	rBV	128962	105543	9.39%	0.563%
12	9.257	1250	1253	1260	rVB2	16449	21961	1.95%	0.117%
13	9.339	1260	1267	1269	rBV2	26491	27611	2.46%	0.147%
14	9.475	1286	1290	1294	rVV2	1089669	1013426	90.14%	5.403%
15	9.510	1294	1296	1300	rVV	80860	67056	5.96%	0.358%
16	9.586	1304	1309	1314	rBV3	11682	20442	1.82%	0.109%
17	9.633	1314	1317	1320	rVB2	27689	22221	1.98%	0.118%
18	9.686	1320	1326	1329	rBV	32773	37388	3.33%	0.199%
19	9.728	1329	1333	1336	rBV2	22814	22690	2.02%	0.121%
20	9.792	1340	1344	1347	rBV2	20966	22473	2.00%	0.120%
21	9.898	1357	1362	1365	rBV4	25071	47409	4.22%	0.253%
22	9.933	1365	1368	1371	rVB	21910	19083	1.70%	0.102%
23	10.022	1379	1383	1386	rBV	66702	60605	5.39%	0.323%
24	10.086	1389	1394	1396	rBV	32739	48995	4.36%	0.261%
25	10.104	1396	1397	1400	rVB2	24709	16353	1.45%	0.087%
26	10.139	1400	1403	1404	rBV2	14382	16302	1.45%	0.087%
27	10.180	1407	1410	1416	rVB3	23816	38398	3.42%	0.205%
28	10.263	1420	1424	1429	rBV	433798	401098	35.68%	2.139%
29	10.304	1429	1431	1436	rVB4	17355	22054	1.96%	0.118%
30	10.351	1436	1439	1444	rBV5	12300	17184	1.53%	0.092%
31	10.398	1444	1447	1454	rBV3	36880	55647	4.95%	0.297%
32	10.492	1460	1463	1467	rBV5	16031	22570	2.01%	0.120%
33	10.569	1471	1476	1478	rBV2	33013	45884	4.08%	0.245%
34	10.598	1478	1481	1484	rVV2	33983	33809	3.01%	0.180%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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35	10.633	1484	1487	1488	rVV3	15429	16749	1.49%	0.089%
36	10.651	1488	1490	1492	rVB2	22581	19343	1.72%	0.103%
37	10.716	1496	1501	1507	rVB7	32717	54429	4.84%	0.290%
38	10.769	1507	1510	1513	rVB2	27587	27046	2.41%	0.144%
39	10.810	1513	1517	1520	rBV2	51630	58337	5.19%	0.311%
40	10.845	1520	1523	1527	rVB	54817	51525	4.58%	0.275%
41	10.951	1537	1541	1543	rBV	876904	830221	73.84%	4.427%
42	10.975	1543	1545	1548	rVV	753253	586265	52.14%	3.126%
43	11.027	1550	1554	1558	rVB	192714	193218	17.19%	1.030%
44	11.069	1558	1561	1563	rBV2	32912	36045	3.21%	0.192%
45	11.192	1574	1582	1584	rBV2	43655	61384	5.46%	0.327%
46	11.245	1589	1591	1593	rVB	19886	15704	1.40%	0.084%
47	11.274	1593	1596	1600	rBV3	51532	72962	6.49%	0.389%
48	11.363	1607	1611	1614	rBV3	24812	31304	2.78%	0.167%
49	11.416	1616	1620	1622	rBV3	13623	16127	1.43%	0.086%
50	11.451	1622	1626	1628	rVV	190689	171044	15.21%	0.912%
51	11.480	1628	1631	1634	rVV	220819	190018	16.90%	1.013%
52	11.527	1634	1639	1641	rVV	124515	136221	12.12%	0.726%
53	11.557	1641	1644	1647	rVV	276078	300081	26.69%	1.600%
54	11.580	1647	1648	1651	rVB	135802	95146	8.46%	0.507%
55	11.639	1656	1658	1660	rBV2	23767	23746	2.11%	0.127%
56	11.686	1663	1666	1669	rVB3	25858	27978	2.49%	0.149%
57	11.745	1669	1676	1678	rBV2	101958	119034	10.59%	0.635%
58	11.780	1679	1682	1686	rVB2	51092	62008	5.52%	0.331%
59	11.816	1686	1688	1690	rBV	26895	22674	2.02%	0.121%
60	11.892	1696	1701	1705	rBV2	75956	101022	8.99%	0.539%
61	11.927	1705	1707	1709	rVV	56243	47362	4.21%	0.253%
62	11.951	1709	1711	1714	rVB	52376	39289	3.49%	0.209%
63	11.998	1716	1719	1722	rBV	135344	143574	12.77%	0.766%
64	12.033	1722	1725	1727	rVV	101722	106411	9.46%	0.567%
65	12.057	1727	1729	1731	rVV2	55781	54239	4.82%	0.289%
66	12.086	1731	1734	1738	rVB4	83610	102041	9.08%	0.544%
67	12.157	1742	1746	1751	rBV	826989	833848	74.17%	4.446%
68	12.204	1751	1754	1756	rBV2	24375	30593	2.72%	0.163%
69	12.233	1757	1759	1763	rVB3	66620	64731	5.76%	0.345%
70	12.298	1766	1770	1772	rBV2	52748	61787	5.50%	0.329%
71	12.380	1779	1784	1787	rBV	775486	806960	71.77%	4.303%

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72	12.404	1787	1788	1790	rVV2	27587	20571	1.83%	0.110%
73	12.433	1790	1793	1798	rVB2	52398	89687	7.98%	0.478%
74	12.504	1802	1805	1806	rBV2	48245	41388	3.68%	0.221%
75	12.527	1806	1809	1816	rVB	516475	532005	47.32%	2.837%
76	12.604	1818	1822	1825	rBV2	86497	110470	9.83%	0.589%
77	12.686	1833	1836	1837	rBV3	46354	46276	4.12%	0.247%
78	12.710	1837	1840	1844	rVB	152050	156990	13.96%	0.837%
79	12.774	1848	1851	1855	rBV	116695	108511	9.65%	0.579%
80	12.810	1855	1857	1865	rBV2	102072	139810	12.44%	0.745%
81	12.904	1870	1873	1876	rBV	72737	77916	6.93%	0.415%
82	12.933	1876	1878	1881	rVB2	70169	59696	5.31%	0.318%
83	13.057	1896	1899	1901	rBV3	34161	48883	4.35%	0.261%
84	13.221	1925	1927	1932	rVB	46360	45314	4.03%	0.242%
85	13.321	1942	1944	1947	rBV	55206	57489	5.11%	0.307%
86	13.374	1951	1953	1954	rBV	31182	26098	2.32%	0.139%
87	13.427	1960	1962	1964	rBV	49687	47387	4.21%	0.253%
88	13.457	1964	1967	1970	rVB2	59677	67968	6.05%	0.362%
89	13.574	1980	1987	1989	rBV2	796796	1124310	100.00%	5.995%
90	13.598	1989	1991	2000	rVV	412125	388973	34.60%	2.074%
91	13.674	2002	2004	2007	rVB	53889	44882	3.99%	0.239%
92	13.927	2044	2047	2049	rBV3	47225	58670	5.22%	0.313%
93	13.963	2050	2053	2055	rVV	101532	108041	9.61%	0.576%
94	13.992	2056	2058	2061	rVV	48341	42090	3.74%	0.224%
95	14.568	2152	2156	2162	rBV	265622	423524	37.67%	2.258%
96	14.651	2168	2170	2173	rVB2	97890	92346	8.21%	0.492%
97	14.815	2195	2198	2203	rVB	159877	177284	15.77%	0.945%
98	14.868	2203	2207	2212	rBV	223587	251544	22.37%	1.341%
99	14.921	2212	2216	2219	rBV	367788	451851	40.19%	2.409%
100	16.127	2418	2421	2426	rVB	85478	133678	11.89%	0.713%

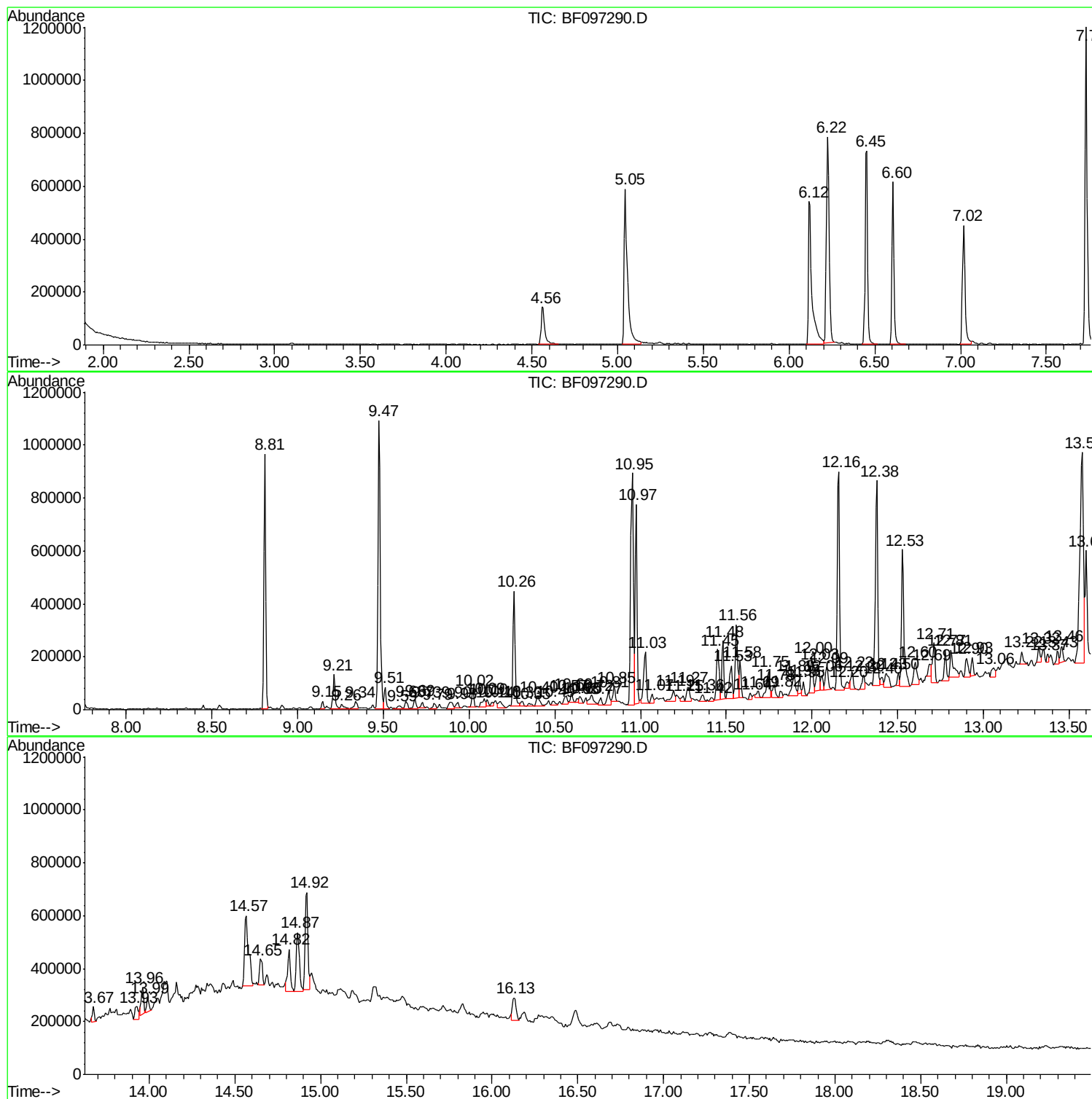
Sum of corrected areas: 18755210

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.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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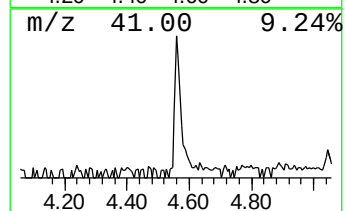
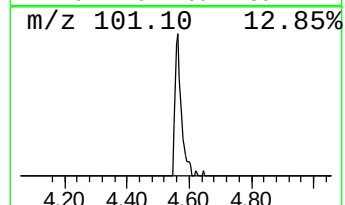
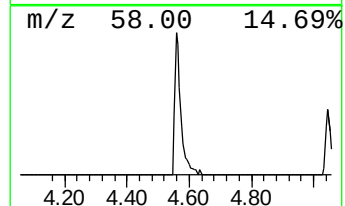
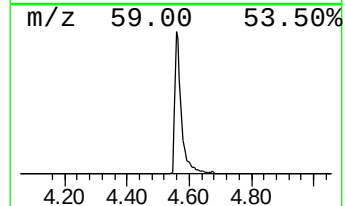
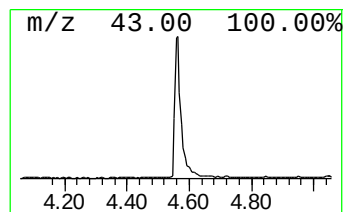
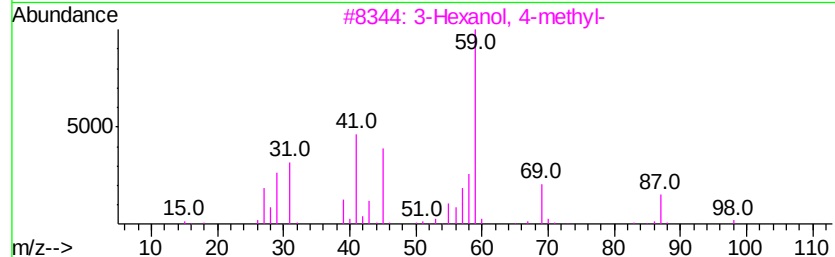
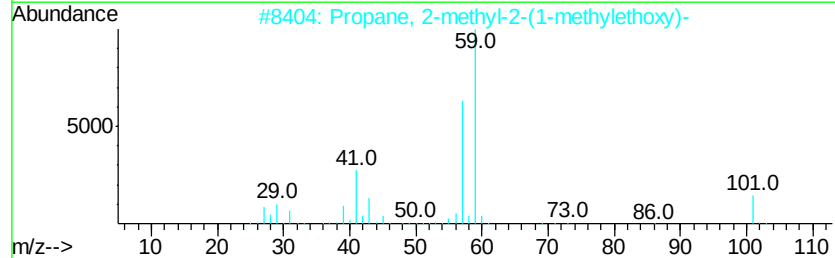
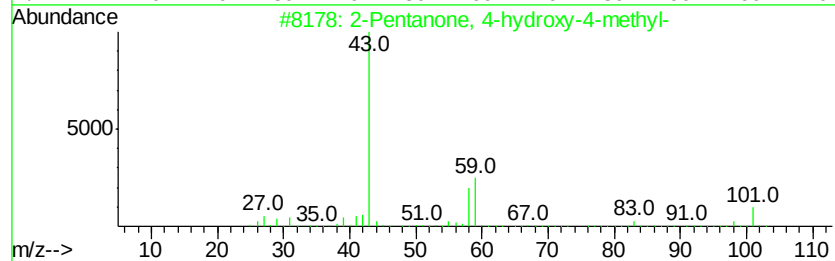
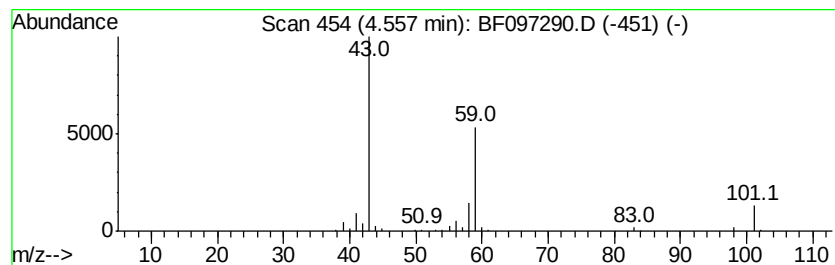
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.56	5.70 ng	205944	1,4-Dichlorobenzene-d4	6.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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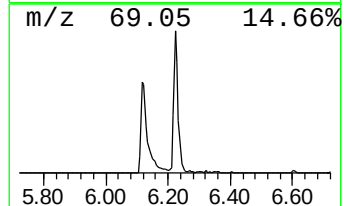
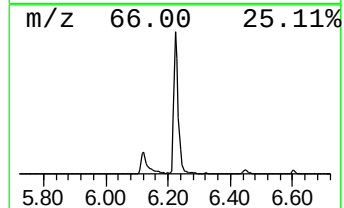
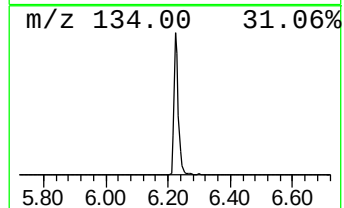
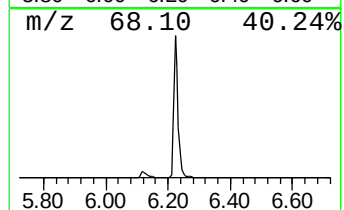
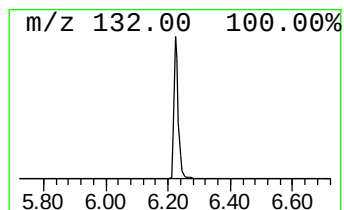
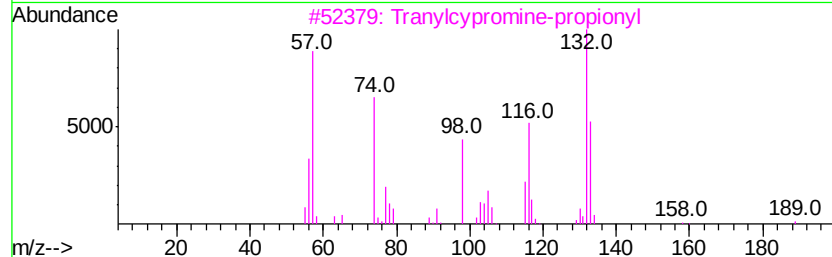
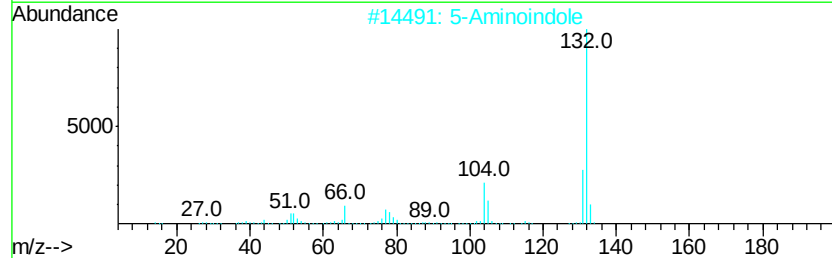
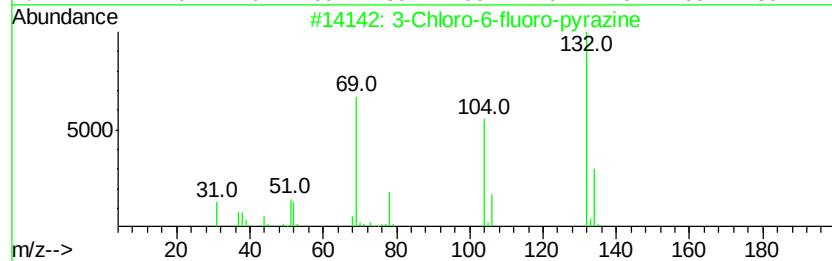
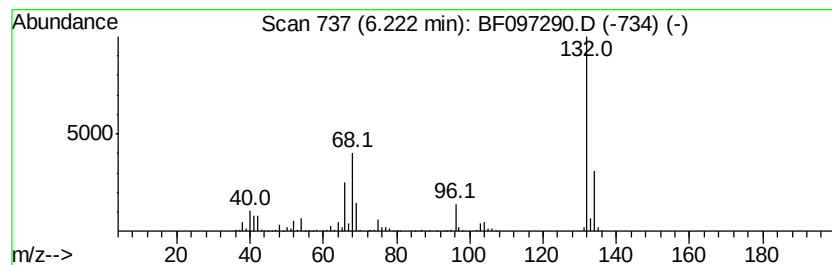
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	21.28 ng	768143	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole			132	C8H8N2	005192-03-0	12
3	Tranvlcvpromine-propionyl			189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene, ...			132	C10H12	028749-81-7	9



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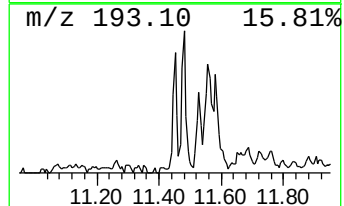
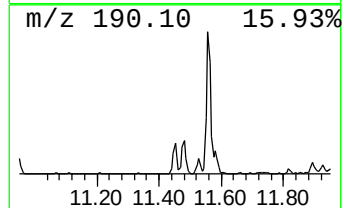
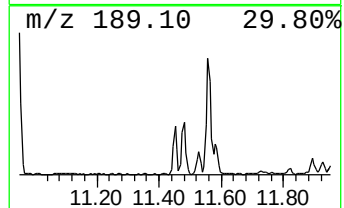
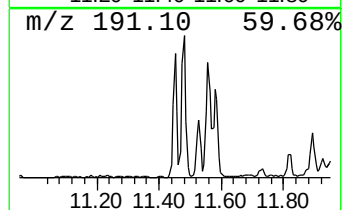
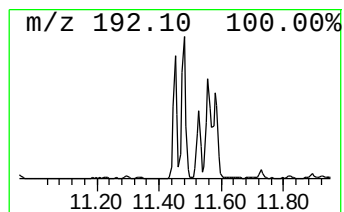
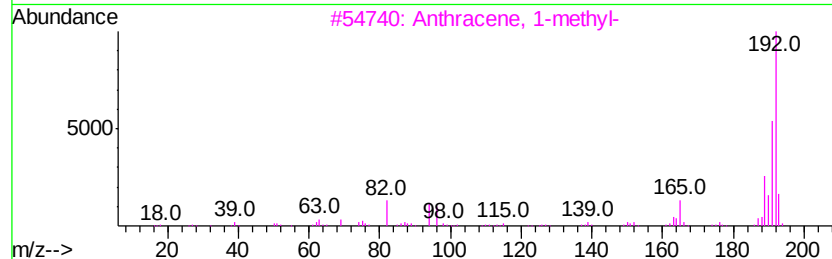
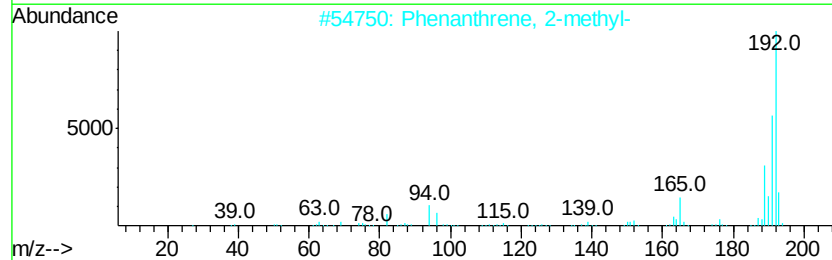
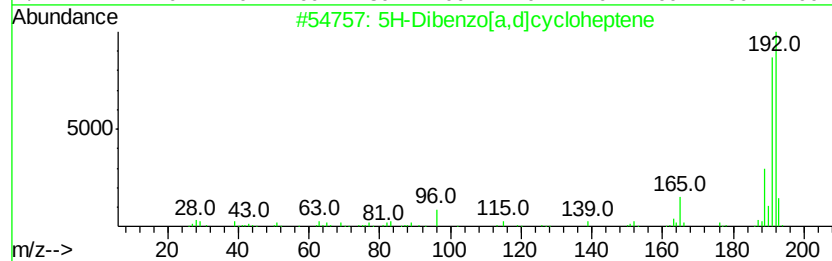
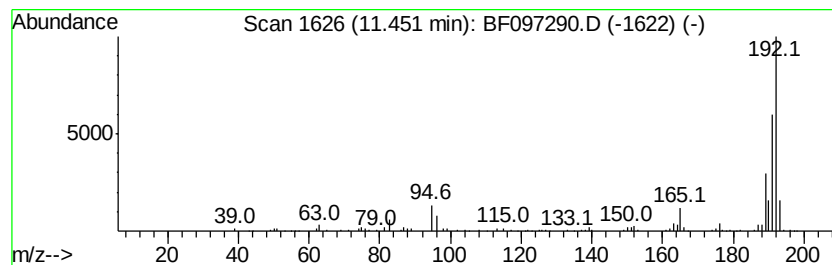
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	4.12 ng	171044	Phenanthrene-d10	10.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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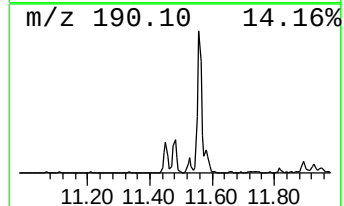
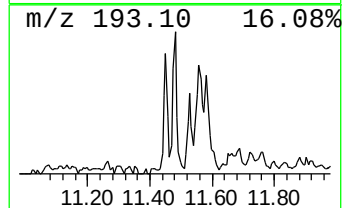
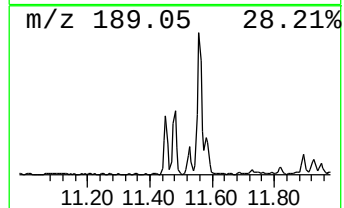
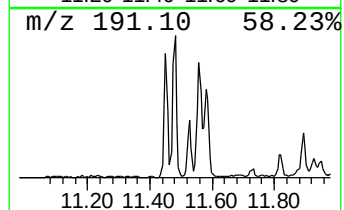
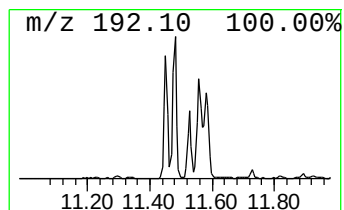
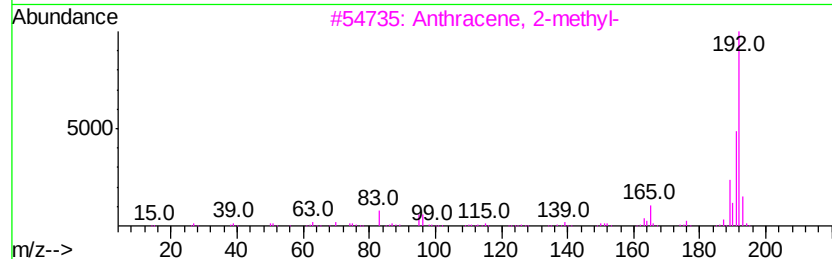
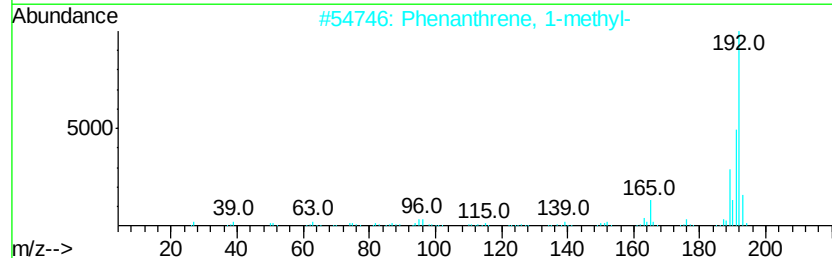
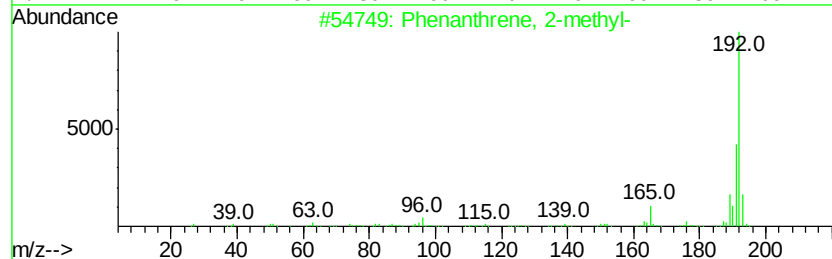
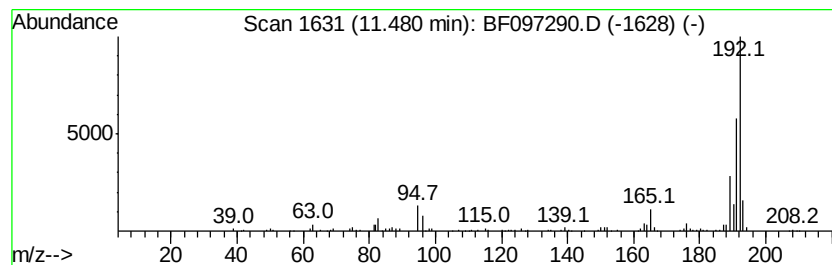
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	4.58 ng	190018	Phenanthrene-d10	10.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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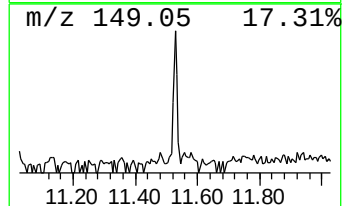
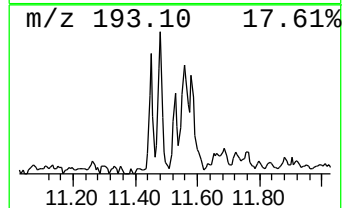
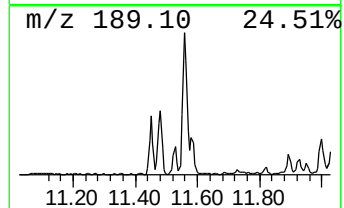
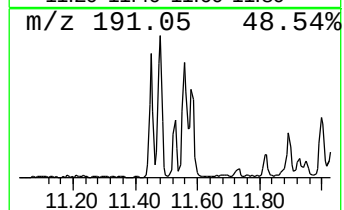
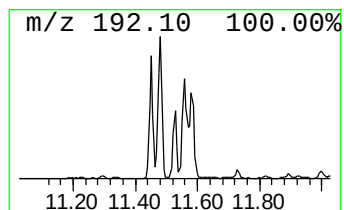
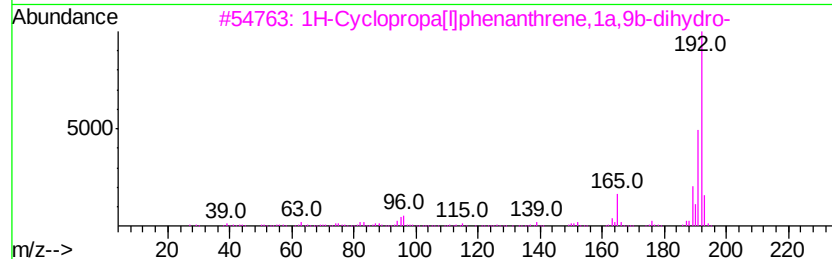
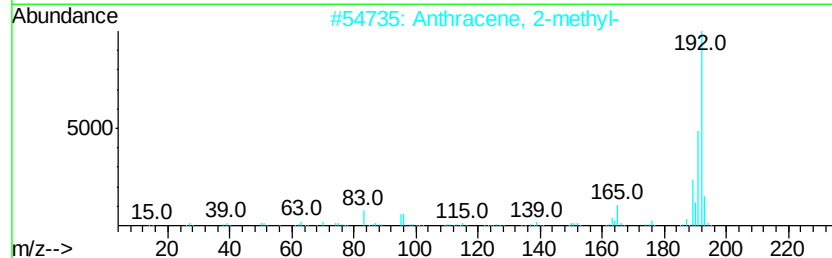
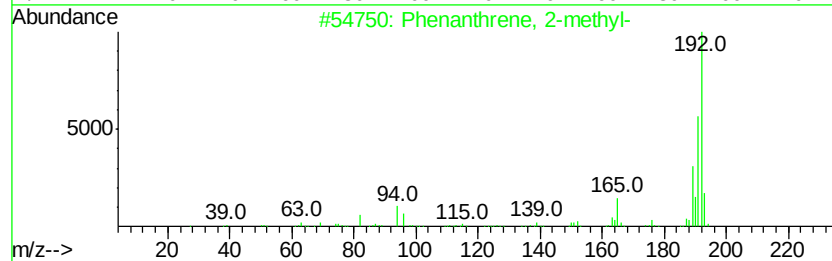
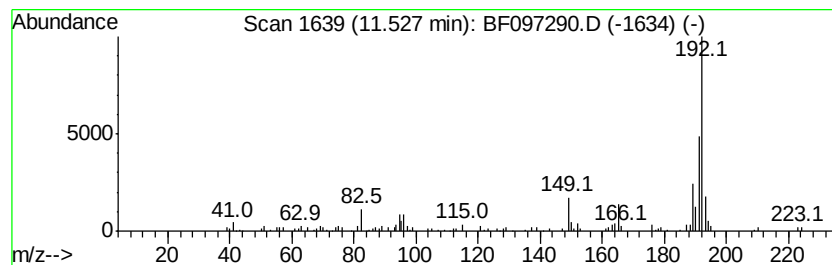
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	3.28 ng	136221	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

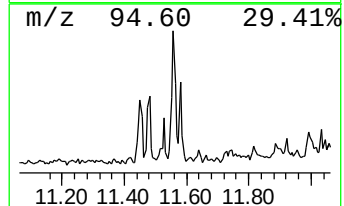
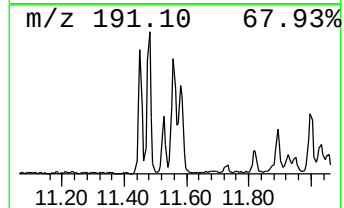
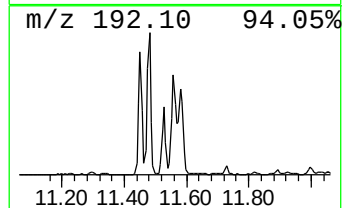
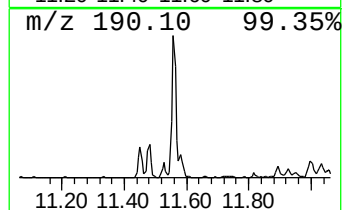
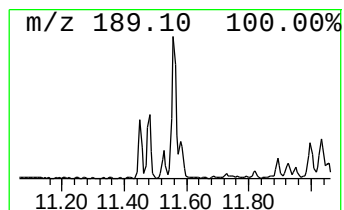
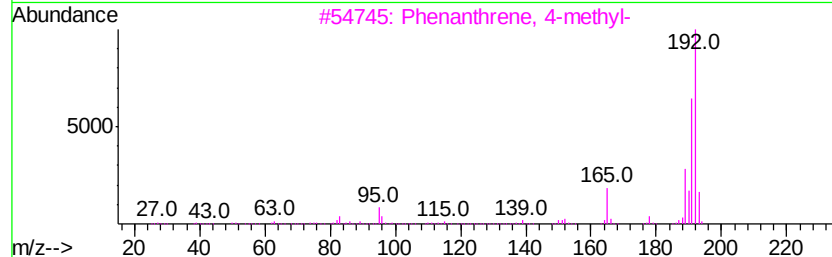
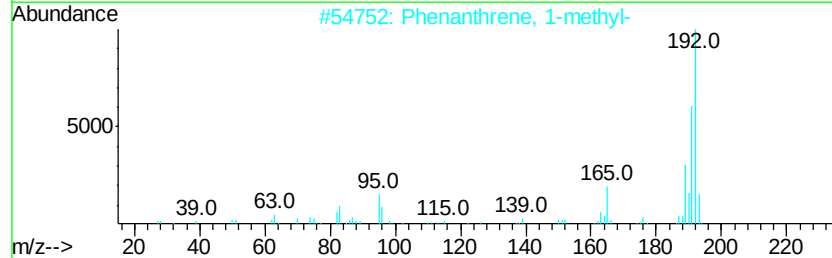
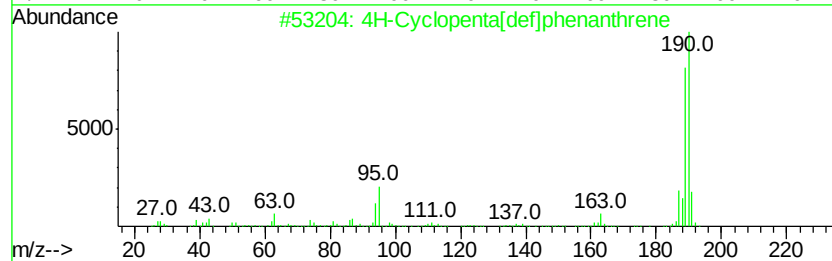
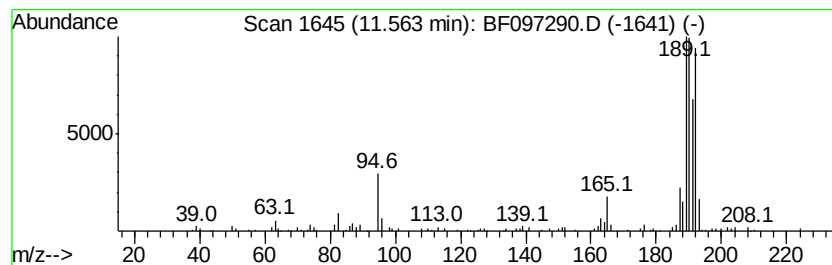
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.56	7.23 ng	300081	Phenanthrene-d10	10.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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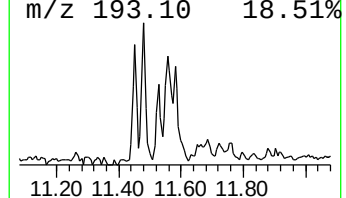
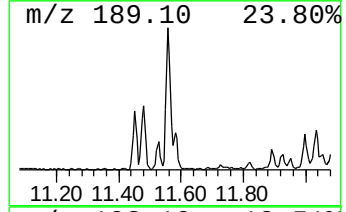
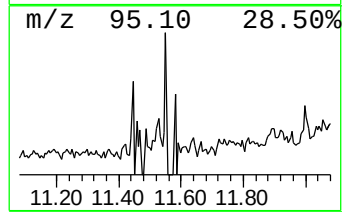
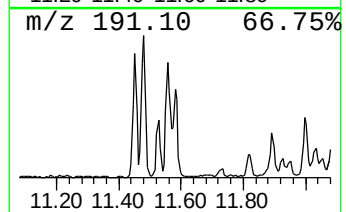
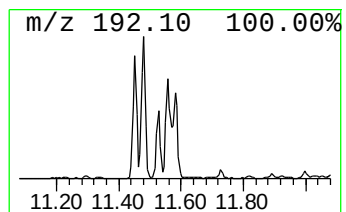
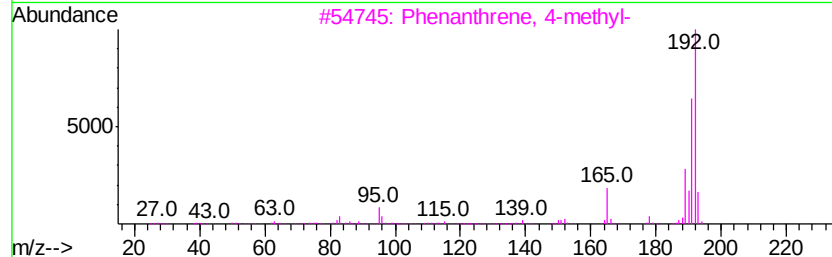
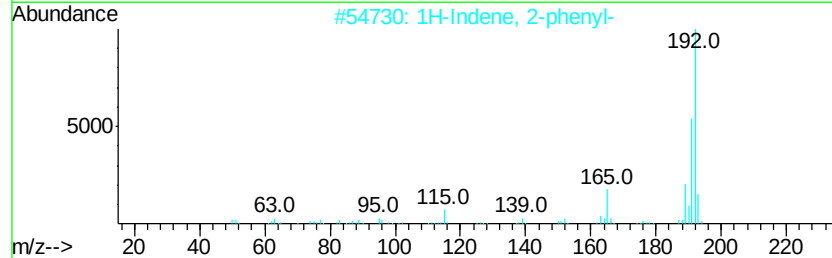
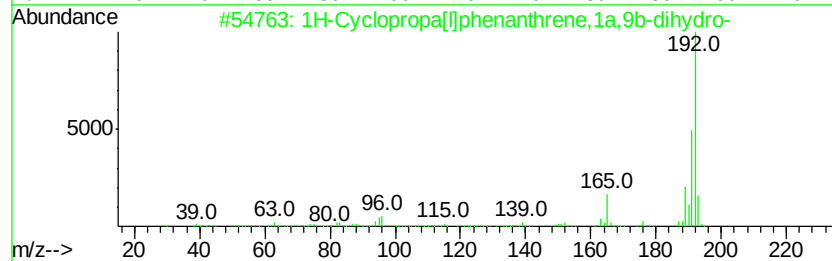
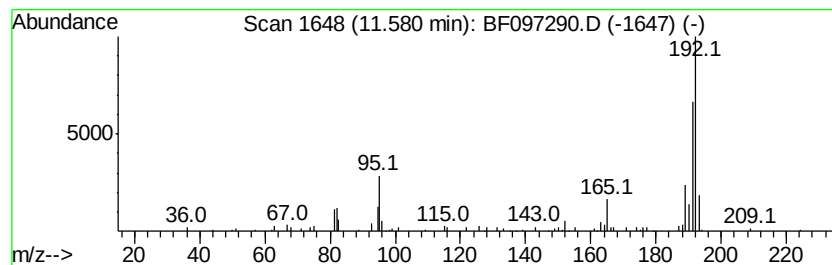
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	2.29 ng	95146	Phenanthrene-d10	10.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

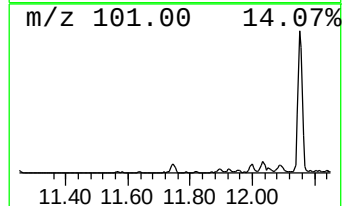
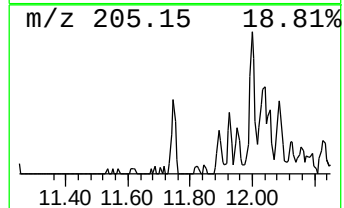
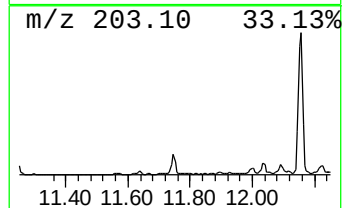
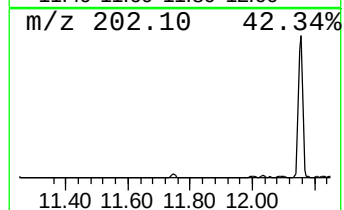
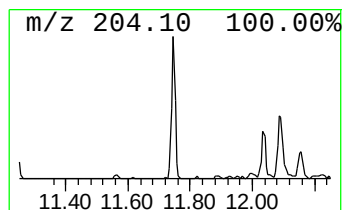
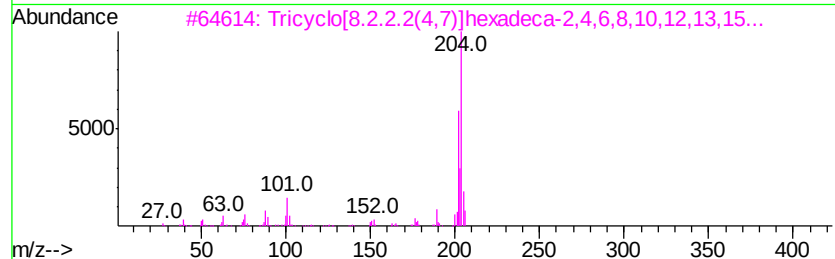
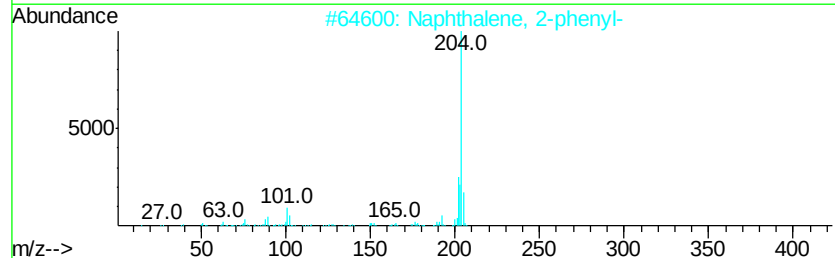
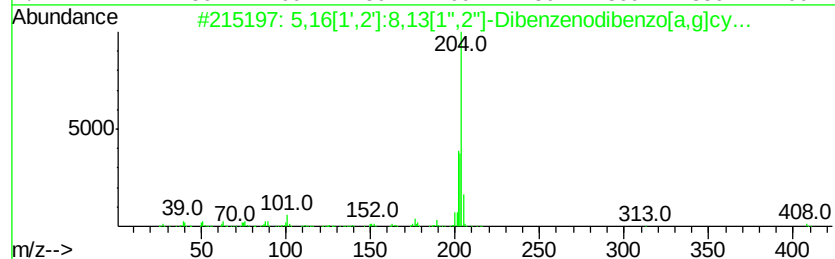
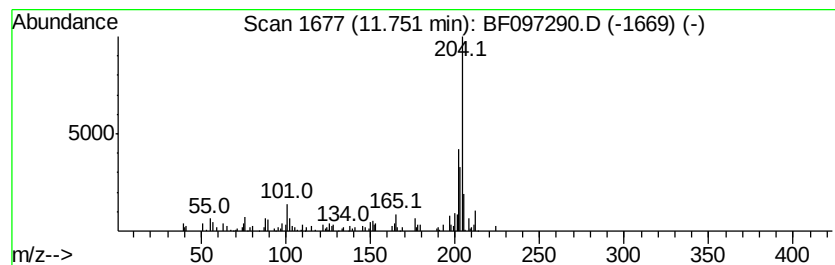
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.75	2.87 ng	119034	Phenanthrene-d10	10.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24		005672-97-9	72
2	Naphthalene, 2-phenyl-	204	C16H12		000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12		006572-60-7	58
4	6-Cyanophenanthridine	204	C14H8N2		002176-28-5	53
5	Naphthalene, 1-phenyl-	204	C16H12		000605-02-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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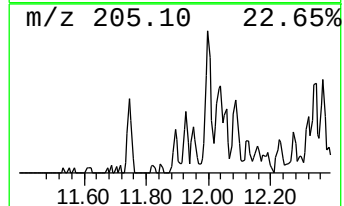
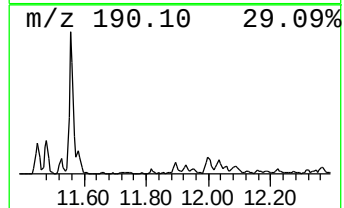
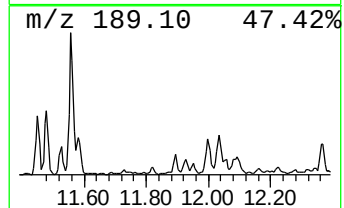
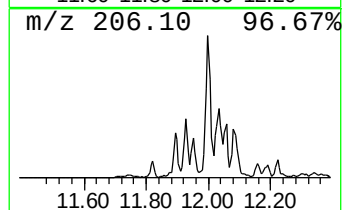
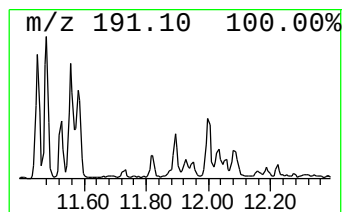
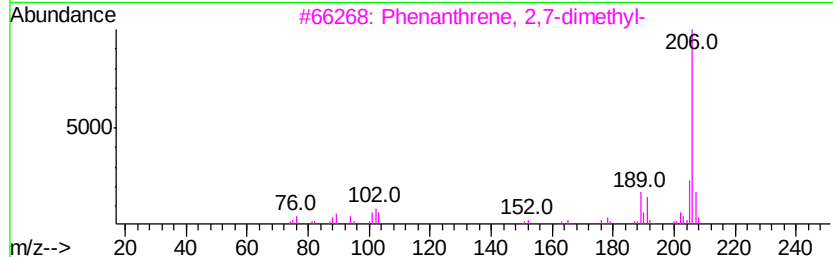
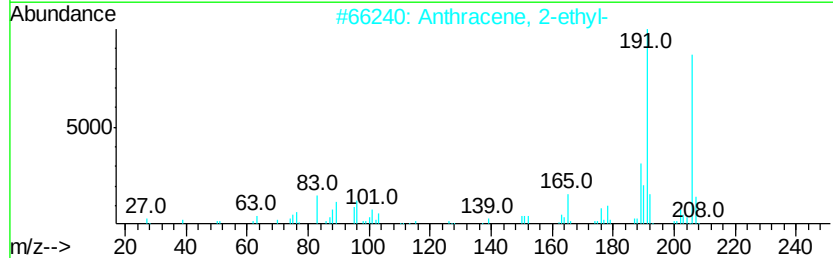
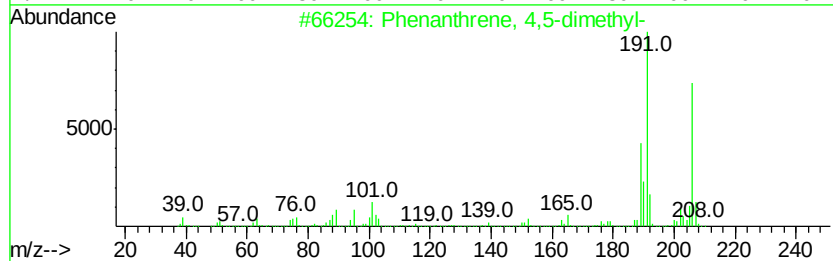
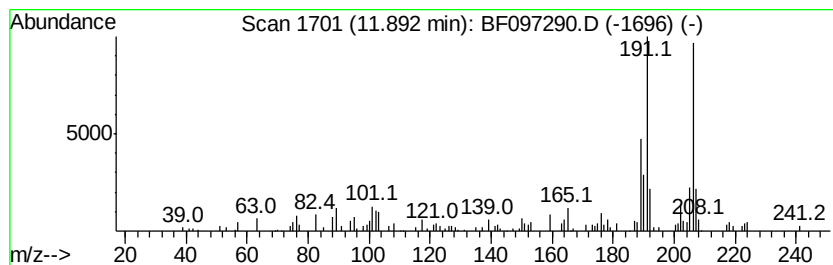
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.89	2.43 ng	101022	Phenanthrene-d10		10.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
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Sample : I4540-21 5X
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ALS Vial : 21 Sample Multiplier: 1

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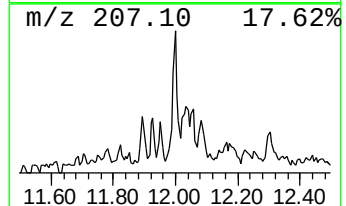
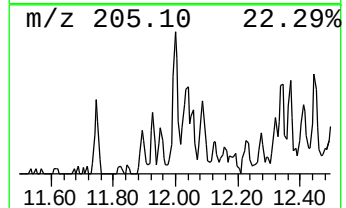
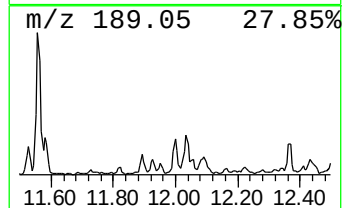
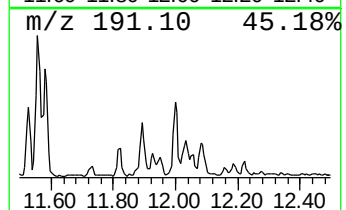
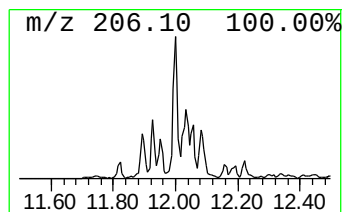
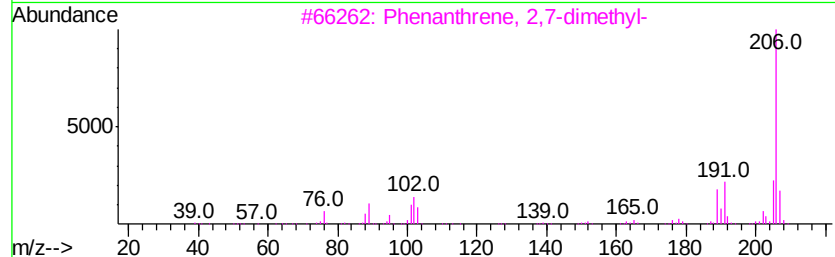
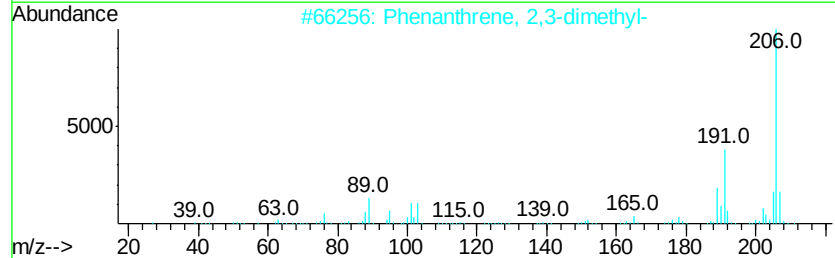
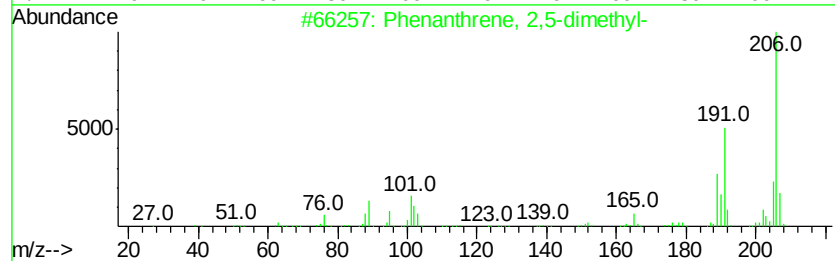
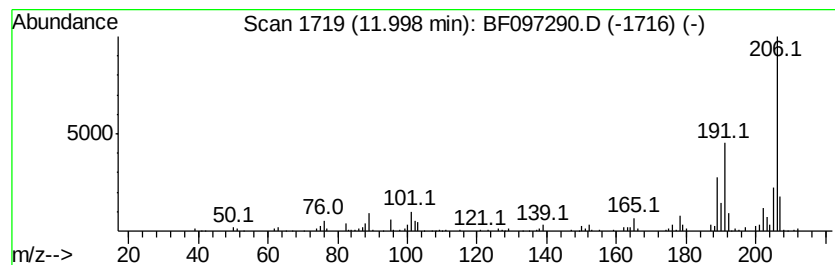
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.46 ng	143574	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

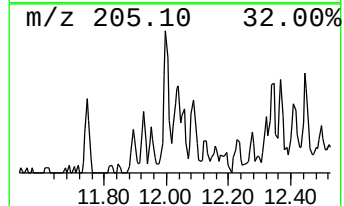
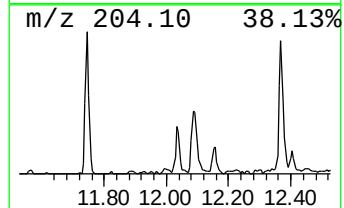
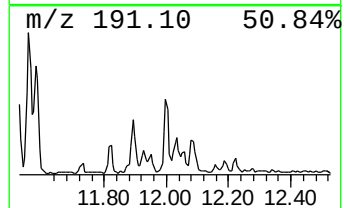
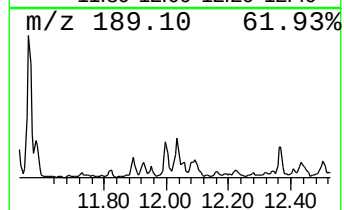
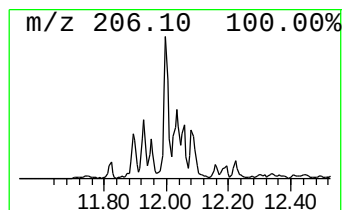
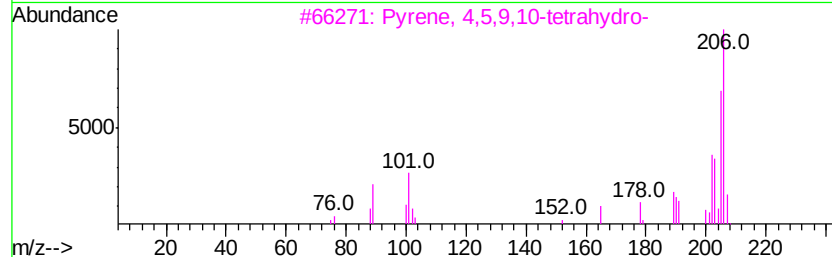
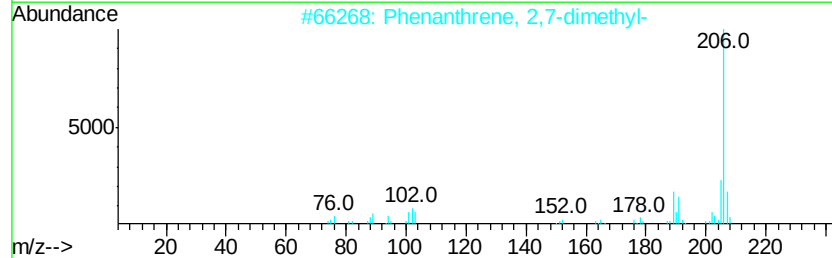
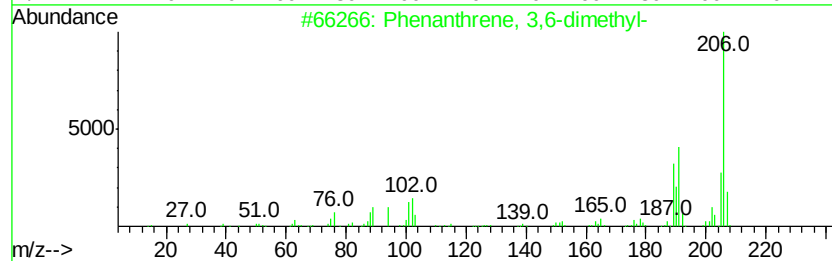
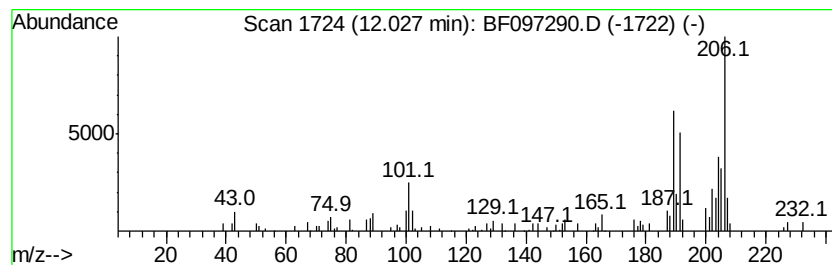
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.03	2.56 ng	106411	Phenanthrene-d10		10.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
3	Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	41
5	m-Trifluoromethoxybenzoic acid	206	C8H5F3O3	001014-81-9	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

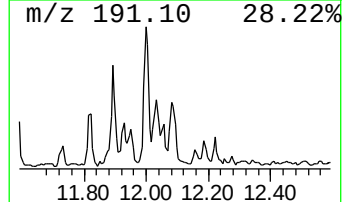
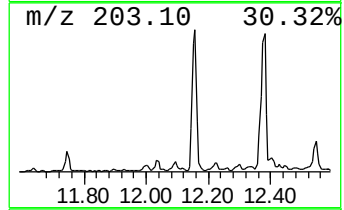
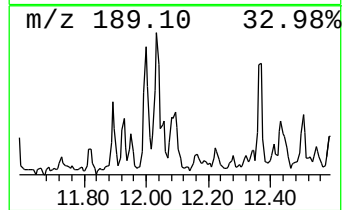
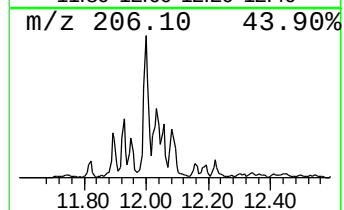
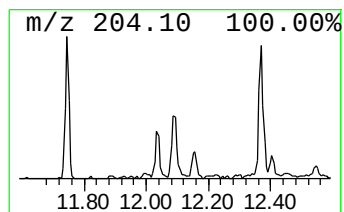
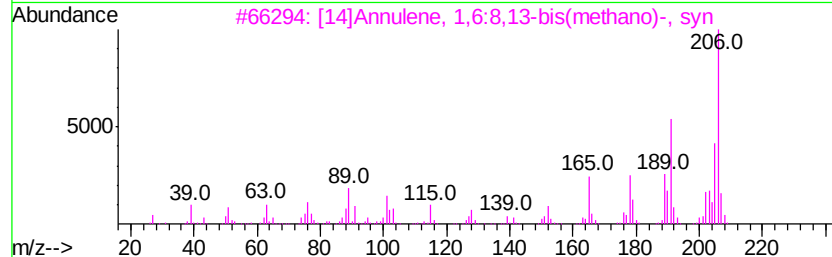
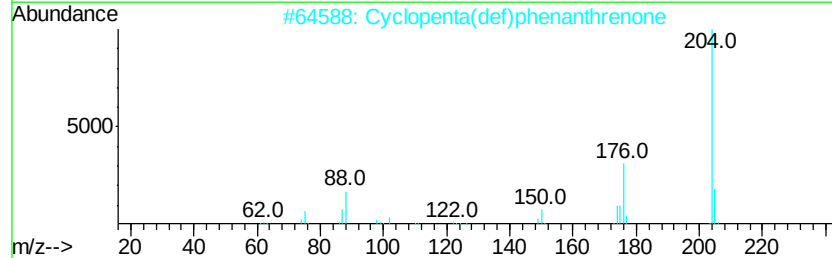
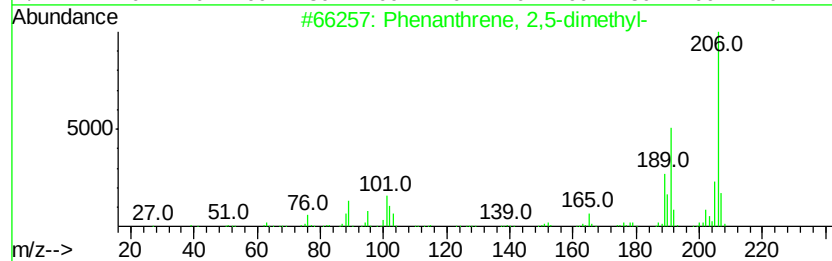
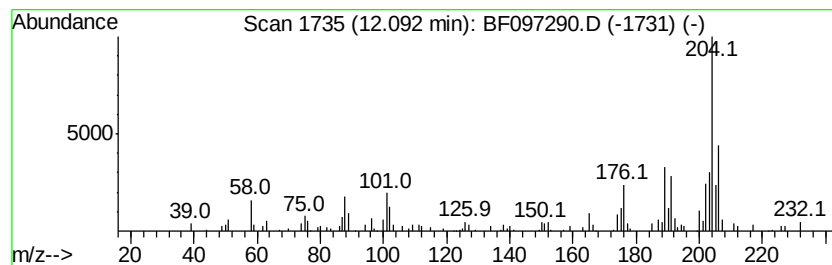
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.46 ng	102041	Phenanthrene-d10	10.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Phenanthrene, 2,5-dimethyl-	206 C16H14	003674-66-6 74
2		Cyclopenta(def)phenanthrenone	204 C15H8O	005737-13-3 64
3		[14]Annulene, 1,6:8,13-bis(metha...	206 C16H14	085385-68-8 47
4		9,10-Dimethylantracene	206 C16H14	000781-43-1 42
5		Benzene, (2-methylene-1-phenylcy...	206 C16H14	025152-47-0 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
348

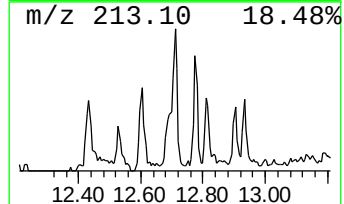
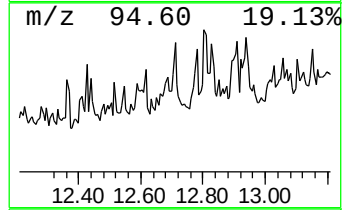
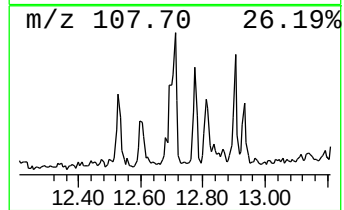
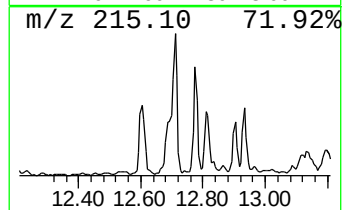
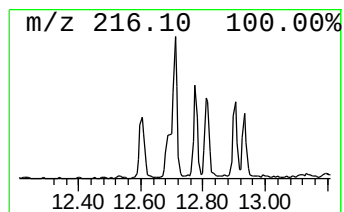
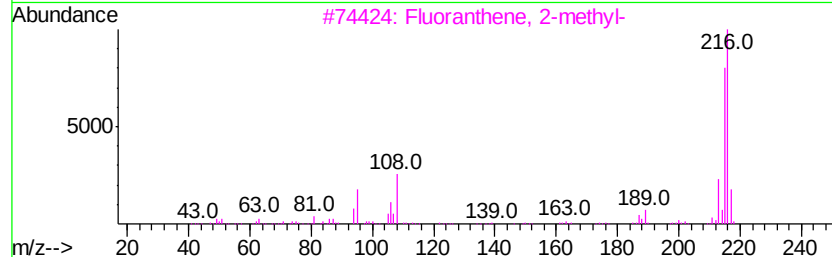
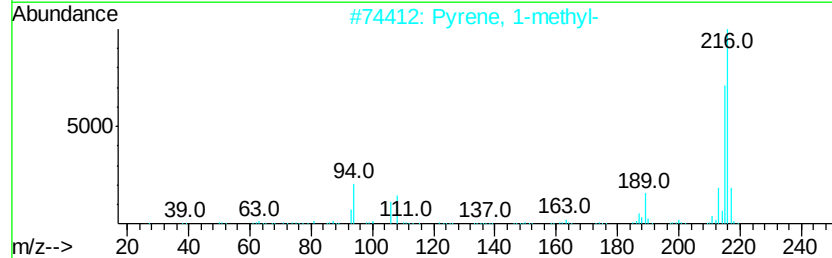
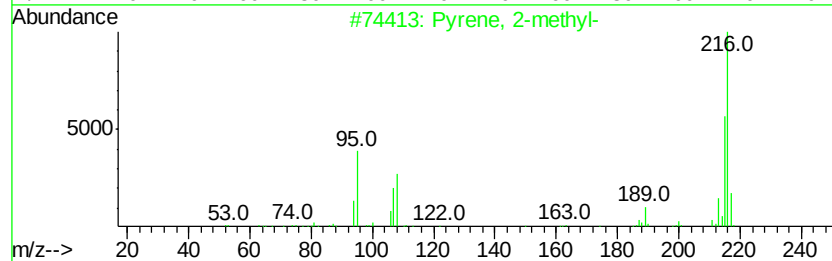
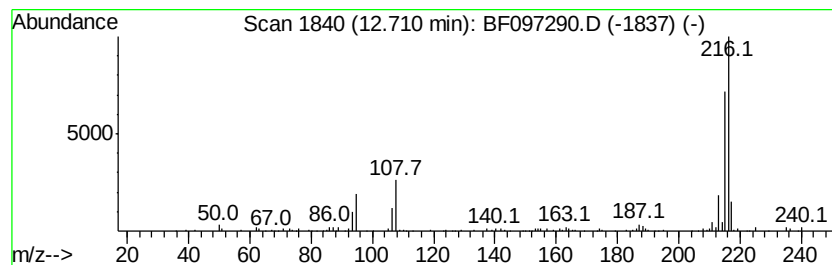
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	2.79 ng	156990	Chrysene-d12	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
348

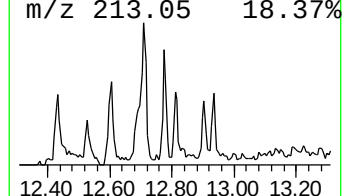
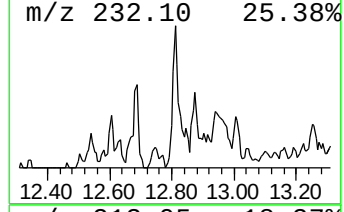
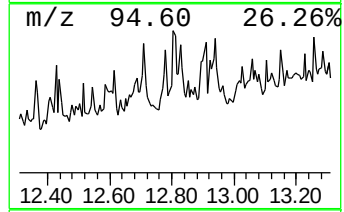
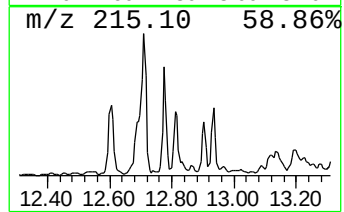
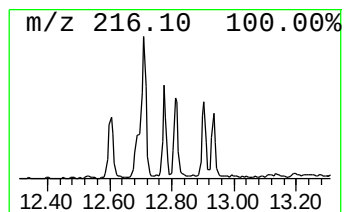
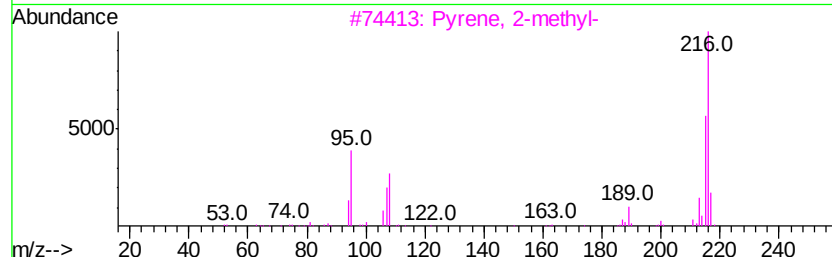
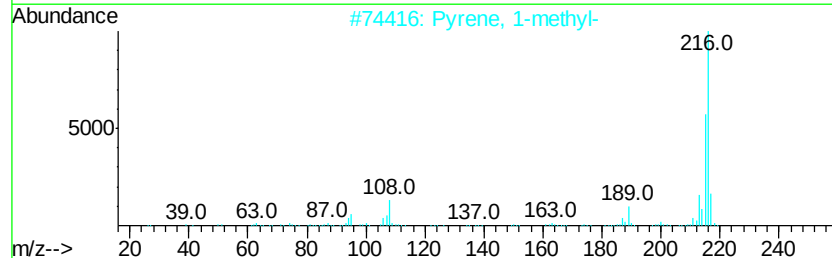
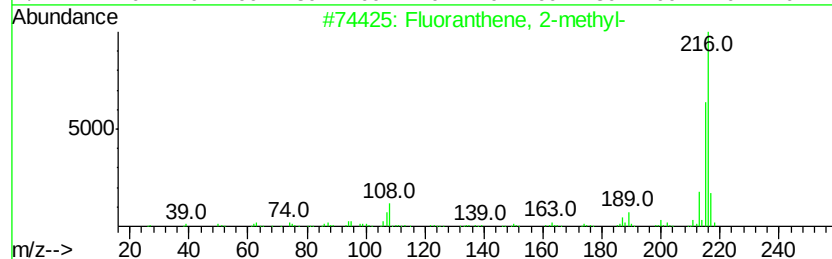
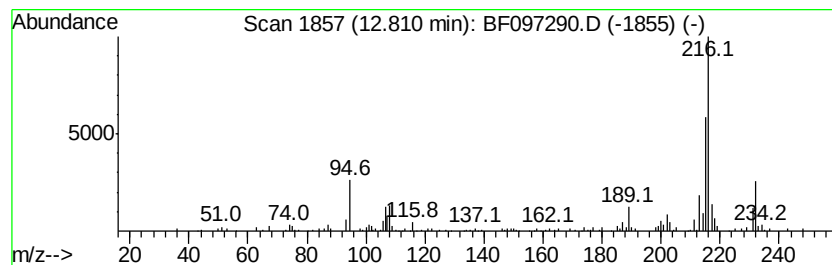
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	2.49 ng	139810	Chrysene-d12	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
4		11H-Benzo[alfluorene	216	C17H12	000238-84-6	70
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
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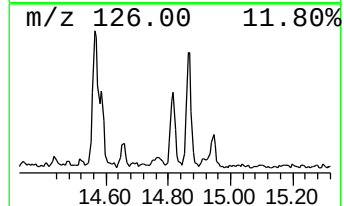
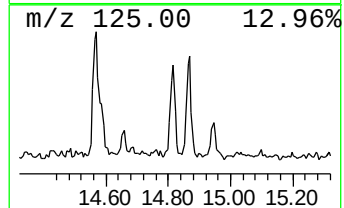
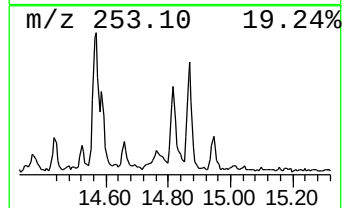
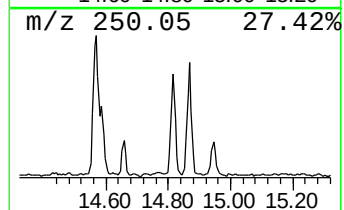
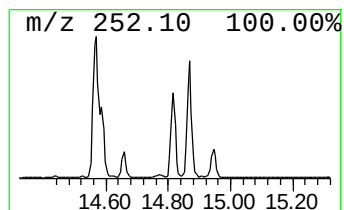
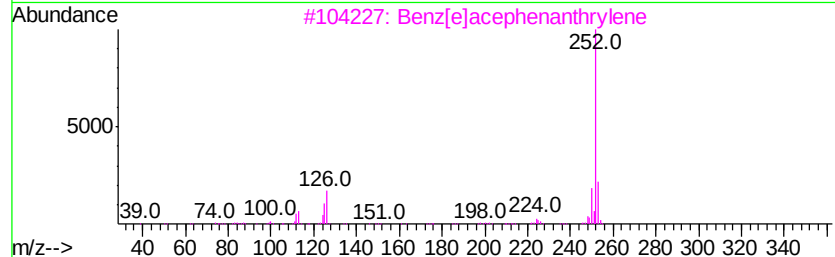
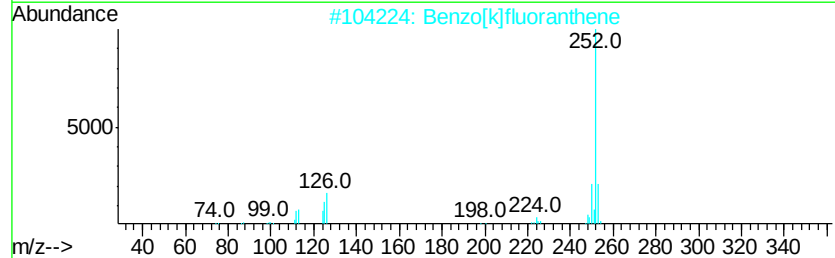
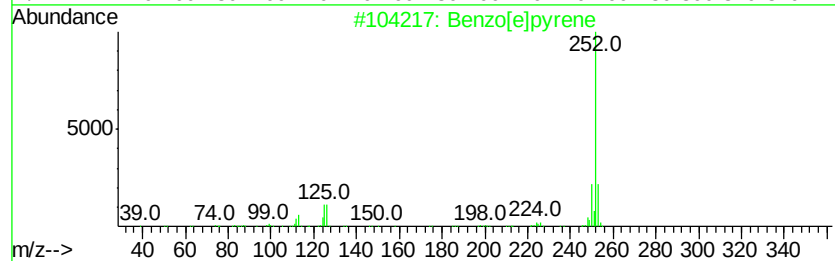
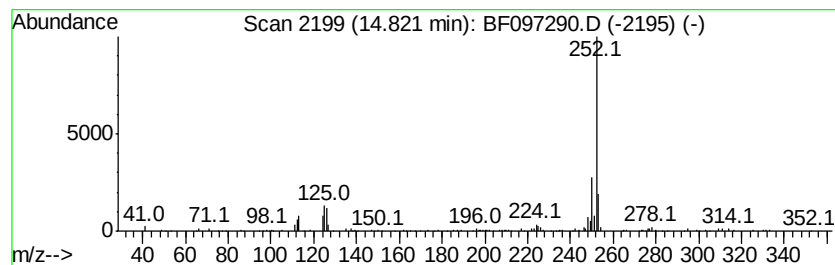
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	7.85 ng	177284	Perylene-d12	14.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
4			Perylene	252	C20H12	000198-55-0	94
5			Benzo[a]pyrene	252	C20H12	000050-32-8	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
 Data File : BF097290.D
 Acq On : 2 Aug 2017 23:02
 Operator : SJ/JU
 Sample : I4540-21 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
2-Pentanone, 4-hy...	4.56	5.7	ng	205944	1	6.45	721992	20.0
unknown6.22	6.22	21.3	ng	768143	1	6.45	721992	20.0
5H-Dibenzo[a,d]cy...	11.45	4.1	ng	171044	4	10.95	830221	20.0
Phenanthrene, 2-m...	11.48	4.6	ng	190018	4	10.95	830221	20.0
Anthracene, 2-met...	11.53	3.3	ng	136221	4	10.95	830221	20.0
4H-Cyclopenta[def...	11.56	7.2	ng	300081	4	10.95	830221	20.0
1H-Cyclopropa[l]p...	11.58	2.3	ng	95146	4	10.95	830221	20.0
5,16[1',2']:8,13[...	11.75	2.9	ng	119034	4	10.95	830221	20.0
Phenanthrene, 4,5...	11.89	2.4	ng	101022	4	10.95	830221	20.0
Phenanthrene, 2,5...	12.00	3.5	ng	143574	4	10.95	830221	20.0
Phenanthrene, 3,6...	12.03	2.6	ng	106411	4	10.95	830221	20.0
Cyclopenta(def)ph...	12.09	2.5	ng	102041	4	10.95	830221	20.0
Pyrene, 2-methyl-	12.71	2.8	ng	156990	5	13.57	1124310	20.0
Fluoranthene, 2-m...	12.81	2.5	ng	139810	5	13.57	1124310	20.0
Benzo[e]pyrene	14.82	7.8	ng	177284	6	14.92	451851	20.0