

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097176.D
 Acq On : 29 Jul 2017 1:37
 Operator : SJ/JU
 Sample : I4456-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS-6

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 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	4.628	461	466	481	rVB	464478	684296	26.94%	2.232%
2	5.087	540	544	563	rBV	2215220	2521141	99.26%	8.224%
3	6.151	721	725	740	rBV	2258478	2539830	100.00%	8.285%
4	6.263	740	744	751	rVB	2445782	2294561	90.34%	7.485%
5	6.487	778	782	786	rBV	805317	698267	27.49%	2.278%
6	6.639	804	808	819	rBV	1796901	1763868	69.45%	5.754%
7	7.051	874	878	886	rBV	1485011	1529060	60.20%	4.988%
8	7.192	899	902	909	rVB	28727	28437	1.12%	0.093%
9	7.769	996	1000	1003	rBV	915986	792365	31.20%	2.585%
10	8.481	1118	1121	1125	rVB	42426	35299	1.39%	0.115%
11	8.581	1133	1138	1145	rVB2	46062	57621	2.27%	0.188%
12	8.845	1179	1183	1186	rBV	1974870	1695102	66.74%	5.529%
13	9.180	1237	1240	1242	rBV	30487	29722	1.17%	0.097%
14	9.245	1247	1251	1256	rVB	273671	231682	9.12%	0.756%
15	9.375	1270	1273	1276	rVB	42751	31117	1.23%	0.102%
16	9.469	1284	1289	1292	rVV2	25868	28445	1.12%	0.093%
17	9.510	1292	1296	1300	rVV	782394	762755	30.03%	2.488%
18	9.545	1300	1302	1307	rVB	128923	102277	4.03%	0.334%
19	9.716	1326	1331	1334	rBV	55052	56298	2.22%	0.184%
20	9.751	1334	1337	1341	rVB2	74163	76705	3.02%	0.250%
21	9.969	1371	1374	1377	rVB	43891	36159	1.42%	0.118%
22	10.057	1385	1389	1392	rBV	87677	78756	3.10%	0.257%
23	10.186	1406	1411	1414	rBV4	26266	34042	1.34%	0.111%
24	10.298	1426	1430	1436	rBV	1068420	970497	38.21%	3.166%
25	10.439	1445	1454	1459	rBV2	70580	116837	4.60%	0.381%
26	10.604	1476	1482	1484	rBV4	21219	28685	1.13%	0.094%
27	10.686	1494	1496	1500	rBV2	33073	31220	1.23%	0.102%
28	10.798	1513	1515	1520	rVB	37876	36929	1.45%	0.120%
29	10.845	1520	1523	1526	rBV2	26490	30102	1.19%	0.098%
30	10.880	1526	1529	1532	rVV	81463	73957	2.91%	0.241%
31	10.986	1542	1547	1549	rBV	707853	626236	24.66%	2.043%
32	11.010	1549	1551	1555	rVB	765813	598703	23.57%	1.953%
33	11.063	1555	1560	1564	rVB	188645	174973	6.89%	0.571%
34	11.222	1582	1587	1591	rBV2	93413	100858	3.97%	0.329%

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35	11.310	1599	1602	1609	rVB5	34164	56181	2.21%	0.183%
36	11.486	1627	1632	1634	rBV	103082	108467	4.27%	0.354%
37	11.516	1634	1637	1639	rVV2	162084	181204	7.13%	0.591%
38	11.545	1639	1642	1648	rVV2	234967	293504	11.56%	0.957%
39	11.598	1648	1651	1653	rVV	162402	173915	6.85%	0.567%
40	11.621	1653	1655	1660	rVB	77734	70383	2.77%	0.230%
41	11.716	1666	1671	1676	rBV4	21158	35670	1.40%	0.116%
42	11.780	1679	1682	1685	rVV	60867	54183	2.13%	0.177%
43	11.810	1685	1687	1693	rVB	71892	63005	2.48%	0.206%
44	12.039	1721	1726	1728	rBV	58958	71851	2.83%	0.234%
45	12.069	1728	1731	1734	rVV3	43421	59605	2.35%	0.194%
46	12.121	1738	1740	1745	rVB	74183	70373	2.77%	0.230%
47	12.192	1748	1752	1756	rBV	1169456	1048197	41.27%	3.419%
48	12.257	1759	1763	1766	rBV3	32738	49703	1.96%	0.162%
49	12.333	1772	1776	1779	rBV2	82928	137408	5.41%	0.448%
50	12.416	1785	1790	1794	rBV	984458	1075014	42.33%	3.507%
51	12.468	1797	1799	1806	rVB2	65877	80939	3.19%	0.264%
52	12.539	1808	1811	1813	rBV	62938	67236	2.65%	0.219%
53	12.568	1813	1816	1823	rVB	1271615	1193293	46.98%	3.892%
54	12.645	1823	1829	1831	rBV3	69518	117906	4.64%	0.385%
55	12.727	1840	1843	1844	rBV3	65935	68797	2.71%	0.224%
56	12.751	1844	1847	1850	rVB	152775	161952	6.38%	0.528%
57	12.786	1850	1853	1855	rBV3	25810	34384	1.35%	0.112%
58	12.816	1855	1858	1861	rBV2	85474	78466	3.09%	0.256%
59	12.851	1861	1864	1866	rBV	111850	104081	4.10%	0.340%
60	12.939	1877	1879	1882	rBV2	77062	74185	2.92%	0.242%
61	12.974	1882	1885	1887	rBV2	53439	46548	1.83%	0.152%
62	13.045	1893	1897	1899	rBV5	36853	40096	1.58%	0.131%
63	13.145	1908	1914	1915	rBV5	41845	58750	2.31%	0.192%
64	13.168	1915	1918	1921	rVB3	50129	58575	2.31%	0.191%
65	13.257	1930	1933	1937	rVB	145590	131494	5.18%	0.429%
66	13.363	1947	1951	1953	rBV	124362	124782	4.91%	0.407%
67	13.386	1953	1955	1957	rVV	106556	93369	3.68%	0.305%
68	13.410	1957	1959	1961	rVV	78614	73025	2.88%	0.238%
69	13.433	1961	1963	1966	rVV2	61449	75743	2.98%	0.247%
70	13.463	1966	1968	1970	rVV	96094	100518	3.96%	0.328%
71	13.486	1970	1972	1976	rVB2	113447	120057	4.73%	0.392%

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72	13.610	1985	1993	1996	rBV2	822916	1270902	50.04%	4.146%
73	13.639	1996	1998	2004	rVV	558315	548904	21.61%	1.790%
74	13.715	2008	2011	2013	rVV	99808	92420	3.64%	0.301%
75	13.763	2017	2019	2024	rVV4	33705	53354	2.10%	0.174%
76	13.810	2024	2027	2031	rVV2	72014	93854	3.70%	0.306%
77	13.845	2031	2033	2035	rVV	40738	31876	1.26%	0.104%
78	13.868	2035	2037	2040	rVV4	32686	40001	1.57%	0.130%
79	13.904	2041	2043	2047	rVV3	81317	71818	2.83%	0.234%
80	13.957	2049	2052	2055	rVV4	75751	84844	3.34%	0.277%
81	13.998	2055	2059	2062	rVB	98635	111191	4.38%	0.363%
82	14.033	2062	2065	2069	rBV	66221	75899	2.99%	0.248%
83	14.121	2077	2080	2082	rBV4	65835	77493	3.05%	0.253%
84	14.310	2109	2112	2120	rBV5	82203	119934	4.72%	0.391%
85	14.374	2121	2123	2125	rBV2	38519	37307	1.47%	0.122%
86	14.404	2126	2128	2132	rVB2	54476	51308	2.02%	0.167%
87	14.468	2136	2139	2142	rBV2	60618	66843	2.63%	0.218%
88	14.604	2158	2162	2169	rBV	466826	784178	30.88%	2.558%
89	14.692	2174	2177	2180	rBV2	109558	96484	3.80%	0.315%
90	14.857	2201	2205	2210	rVB	248304	268935	10.59%	0.877%
91	14.910	2210	2214	2219	rBV	330824	343458	13.52%	1.120%
92	14.962	2219	2223	2226	rBV	362709	415746	16.37%	1.356%
93	16.180	2426	2430	2436	rVB2	138055	221811	8.73%	0.724%
94	16.545	2488	2492	2501	rVB	88524	158452	6.24%	0.517%
95	16.809	2534	2537	2542	rBV5	38915	68984	2.72%	0.225%
96	17.021	2570	2573	2575	rBV4	25544	30470	1.20%	0.099%
97	17.174	2596	2599	2602	rBV4	24740	34015	1.34%	0.111%
98	17.327	2622	2625	2626	rBV3	22998	28362	1.12%	0.093%
99	19.403	2976	2978	2982	rBV4	23206	28057	1.10%	0.092%

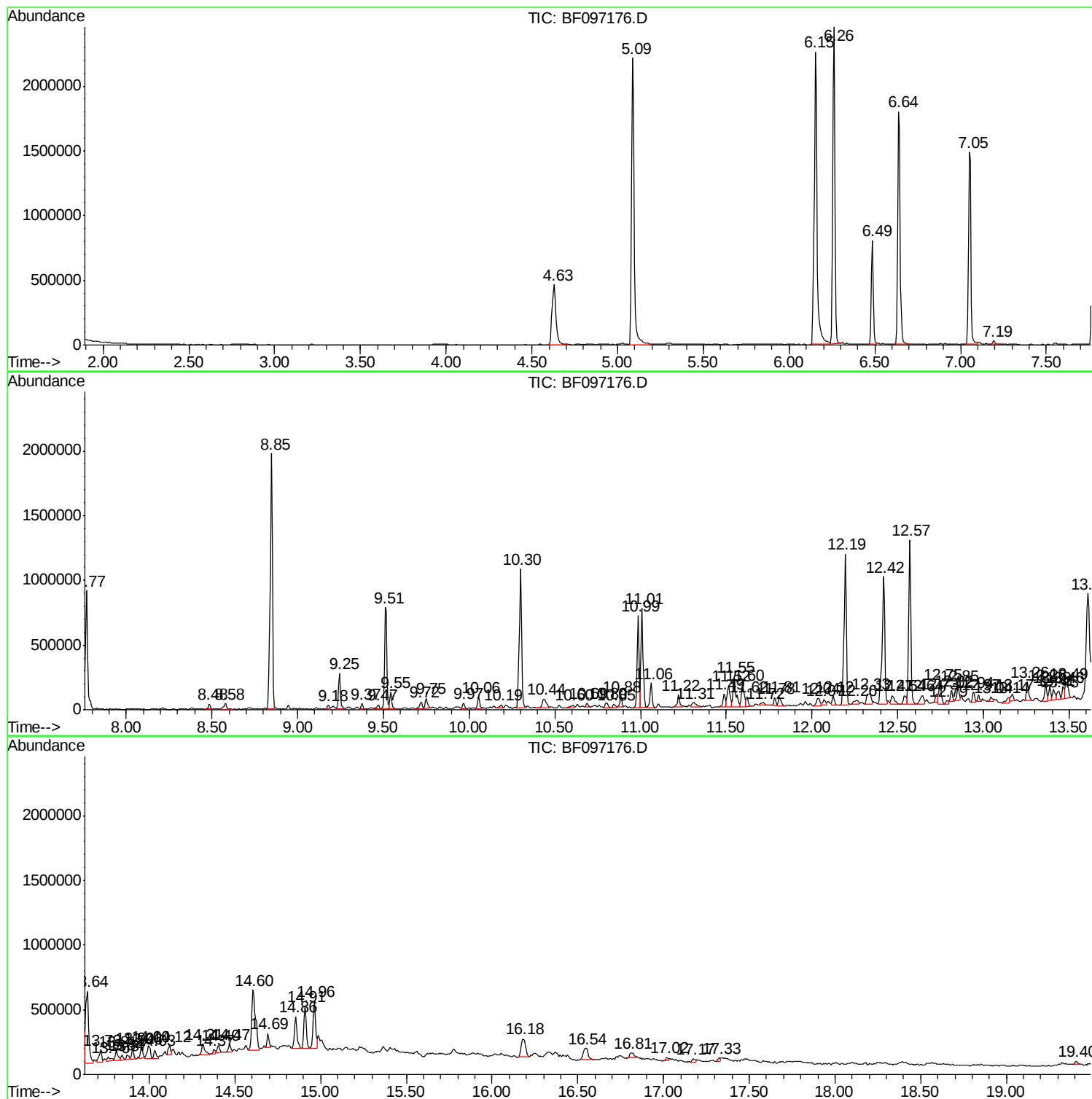
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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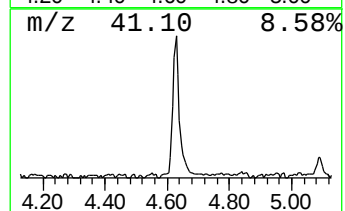
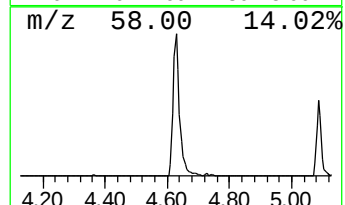
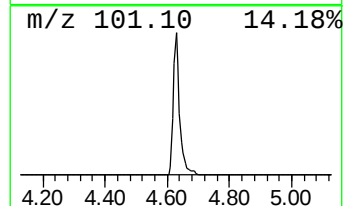
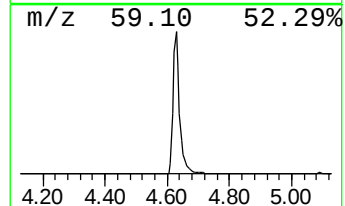
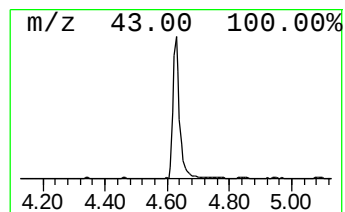
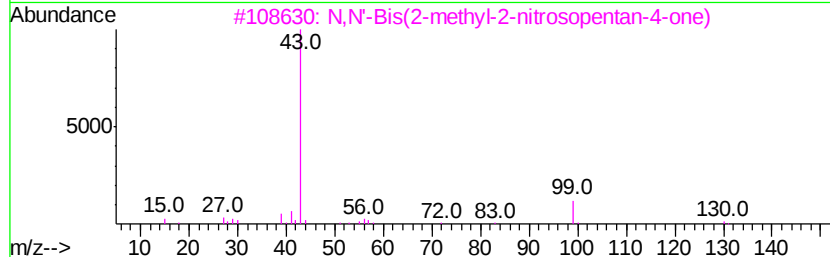
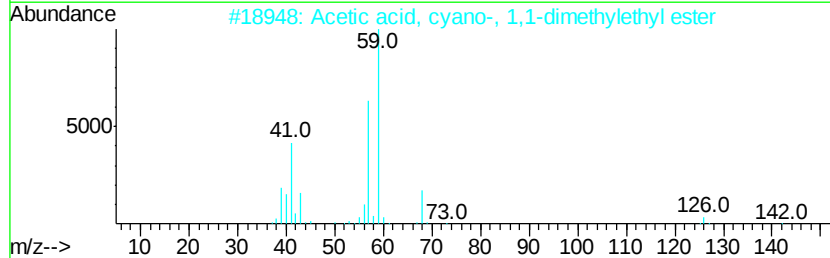
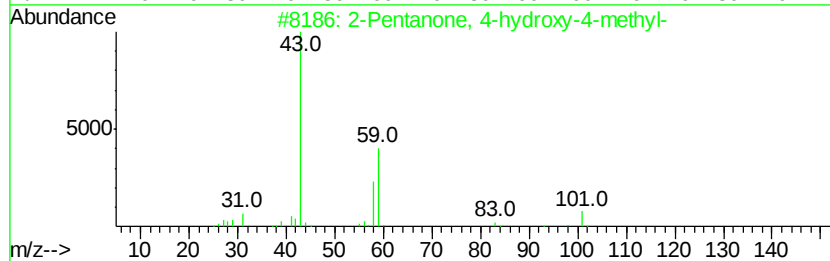
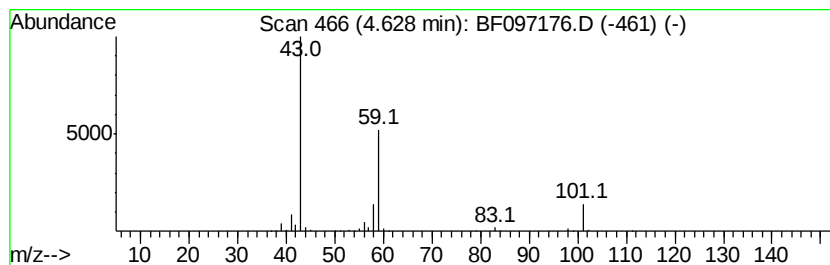
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	19.60 ng	684296	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		N,N'-Bis(2-methyl-2-nitrosopenta...	258	C12H22N2O4	094514-30-4	9
4		5-Oxohexanenitrile	111	C6H9NO	010412-98-3	9
5		1,2-Butanediol	90	C4H10O2	000584-03-2	9



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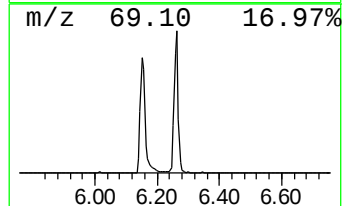
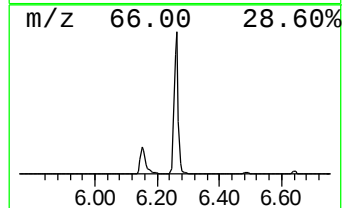
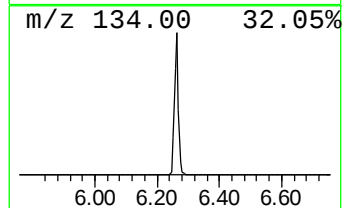
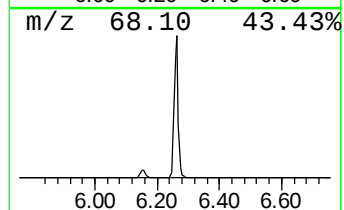
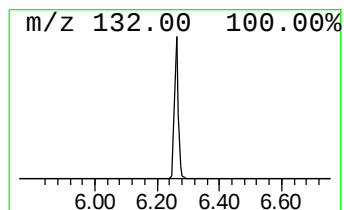
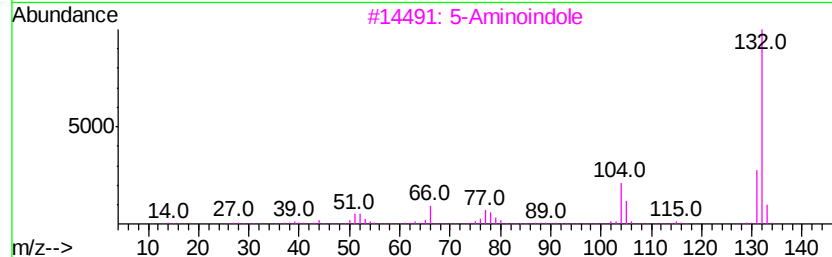
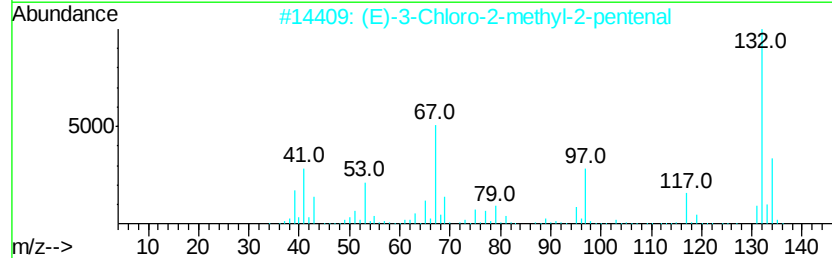
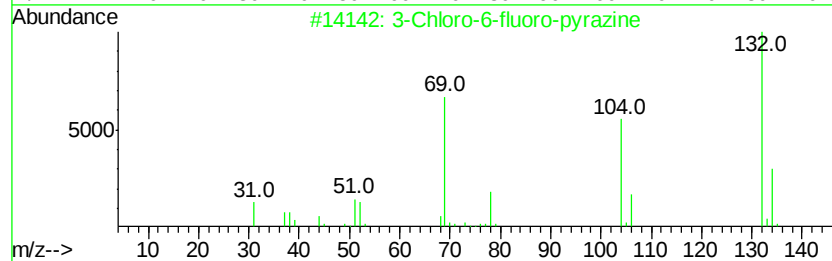
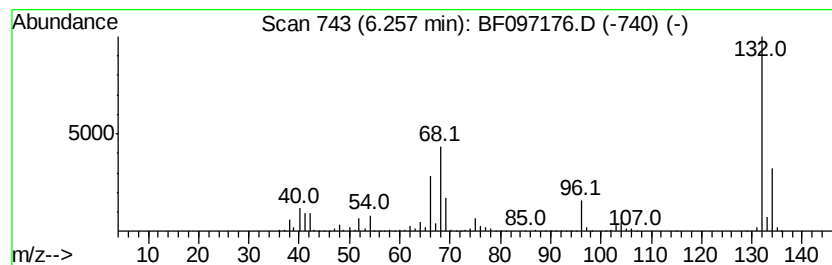
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.26 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	65.72 ng	2294560	1,4-Dichlorobenzene-d4	6.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	17
3	5-Aminoindole			132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl			189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene, ...			132	C10H12	028749-81-7	9



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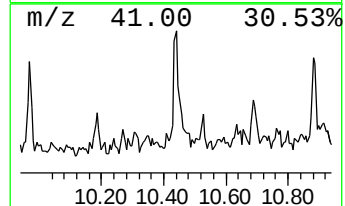
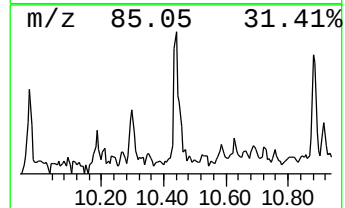
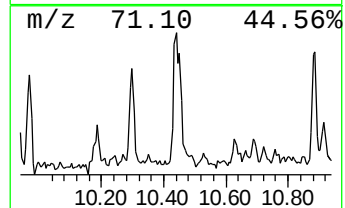
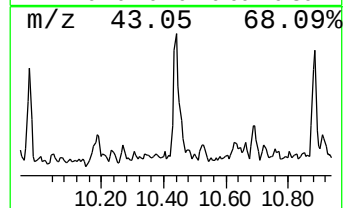
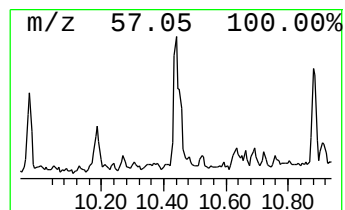
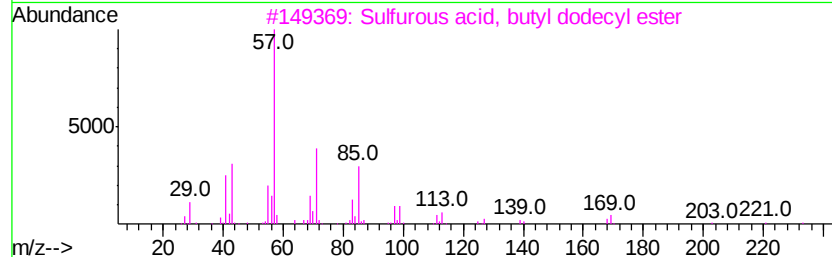
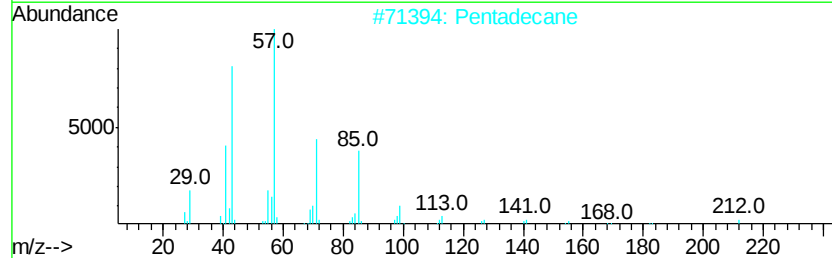
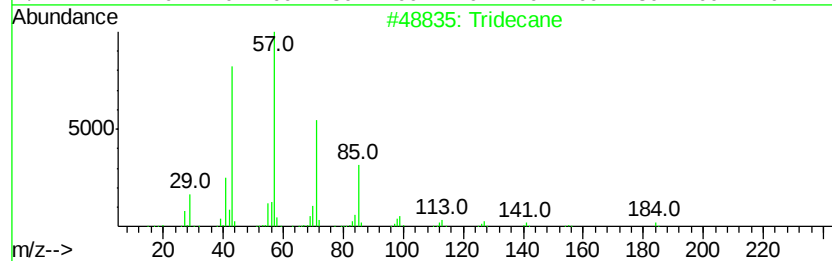
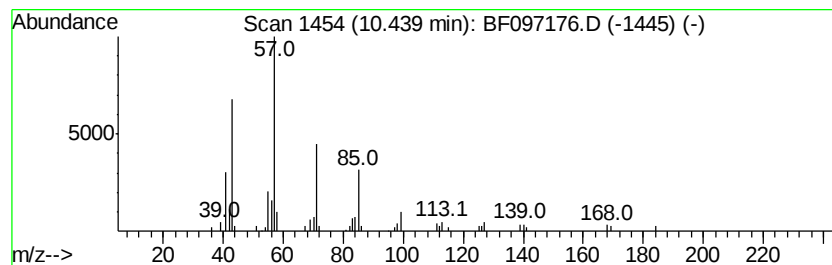
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Peak Number 4 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.44	3.73 ng	116837	Phenanthrene-d10	10.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Pentadecane	212	C15H32	000629-62-9	86
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Tetratetracontane	619	C44H90	007098-22-8	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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Acq On : 29 Jul 2017 1:37
Operator : SJ/JU
Sample : I4456-09
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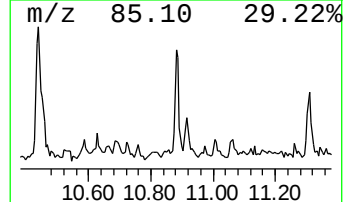
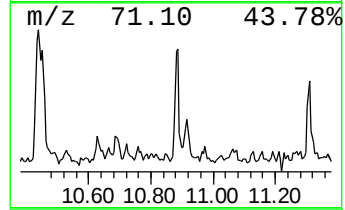
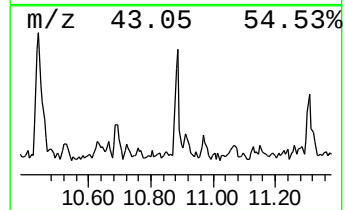
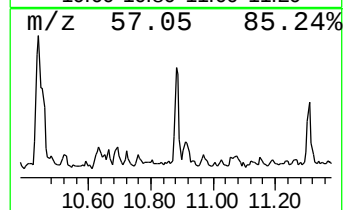
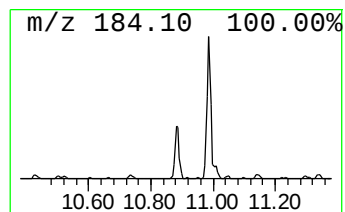
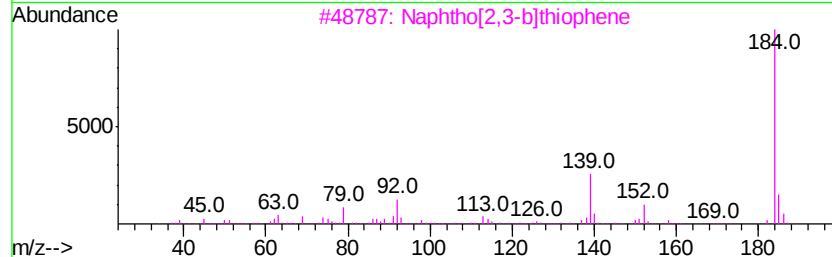
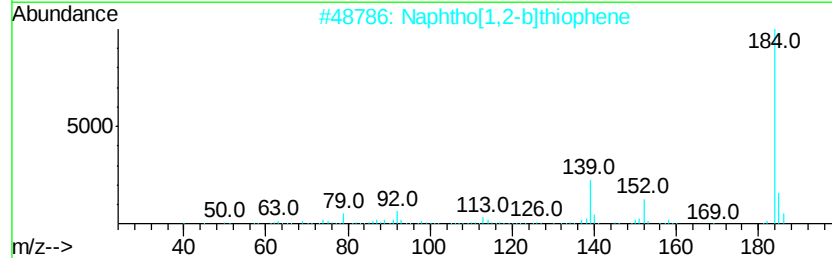
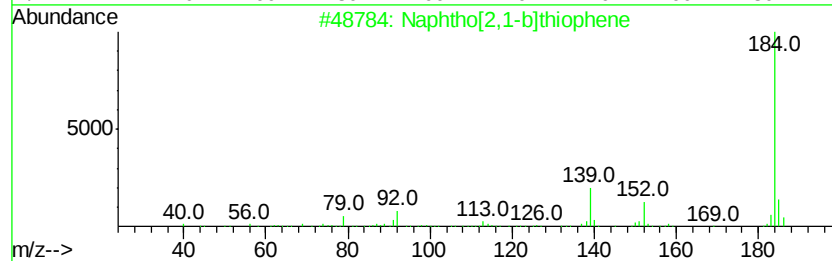
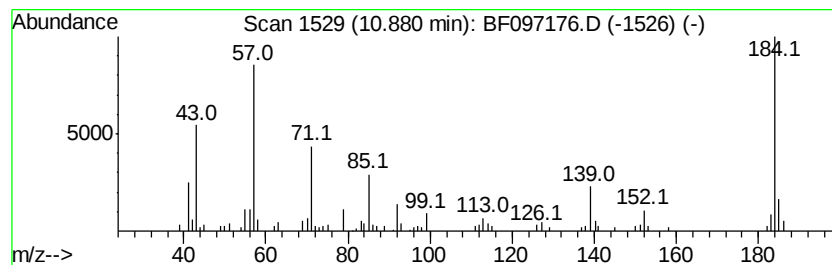
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.88	2.36 ng	73957	Phenanthrene-d10		10.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	92
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4		Dibenzothiophene	184	C12H8S	000132-65-0	90
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097176.D
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Operator : SJ/JU
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Instrument :
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ClientSampleId :
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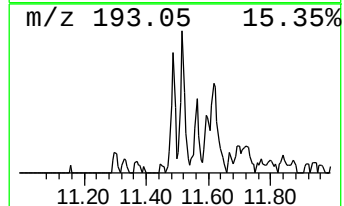
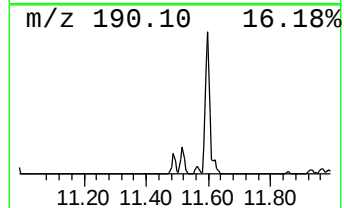
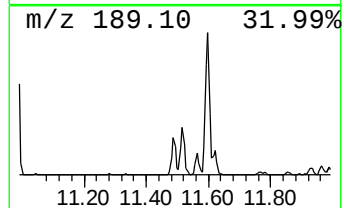
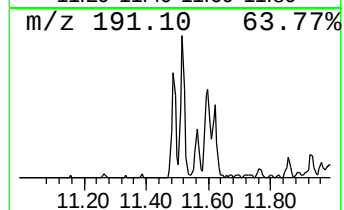
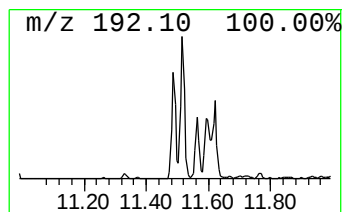
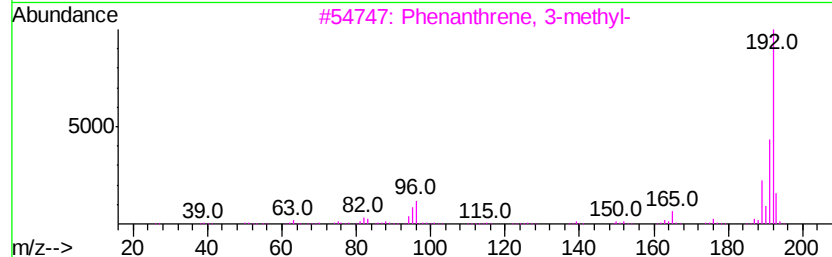
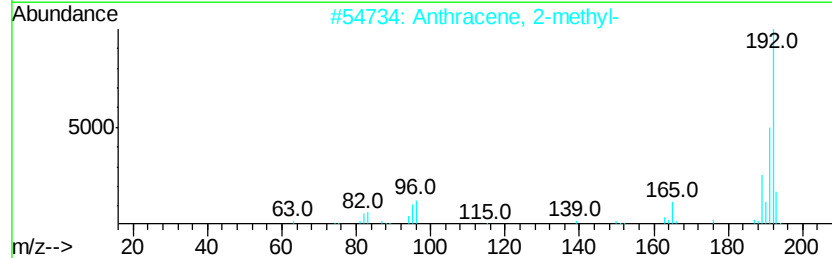
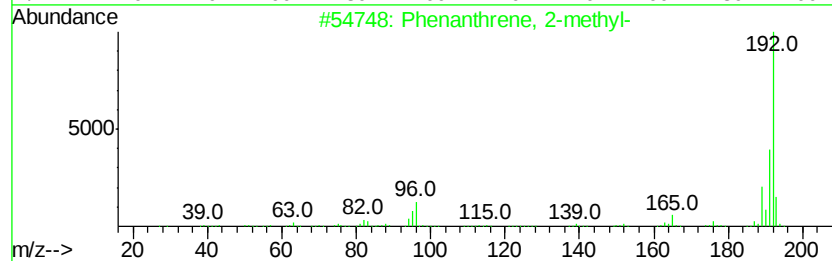
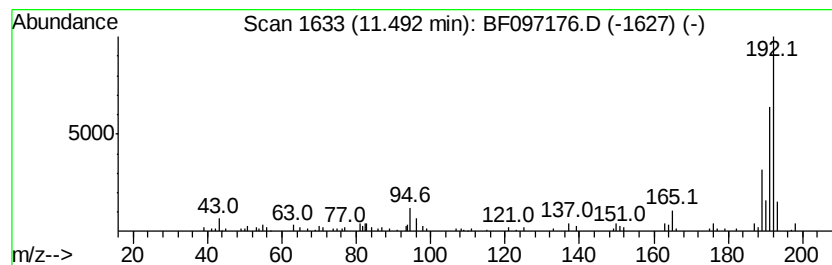
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	3.46 ng	108467	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097176.D
Acq On : 29 Jul 2017 1:37
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Sample : I4456-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

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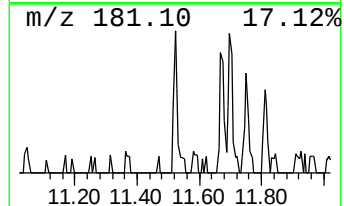
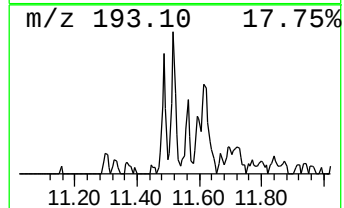
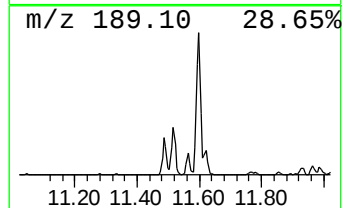
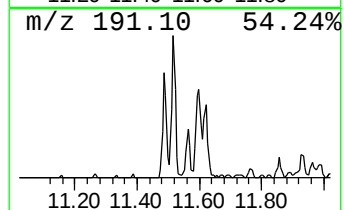
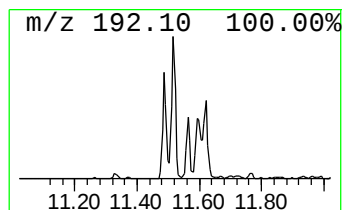
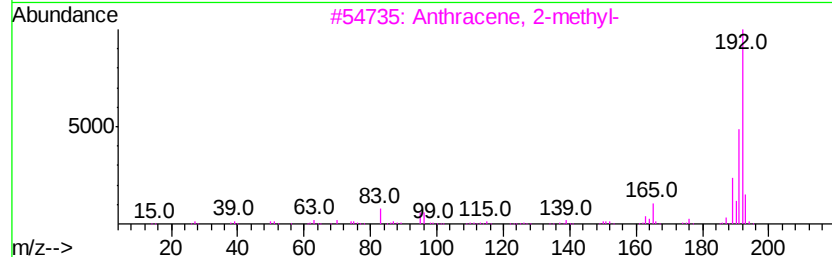
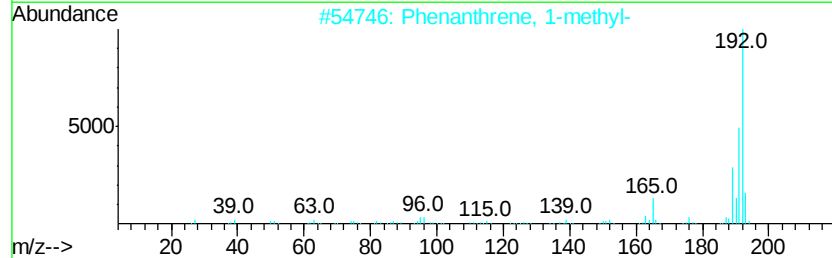
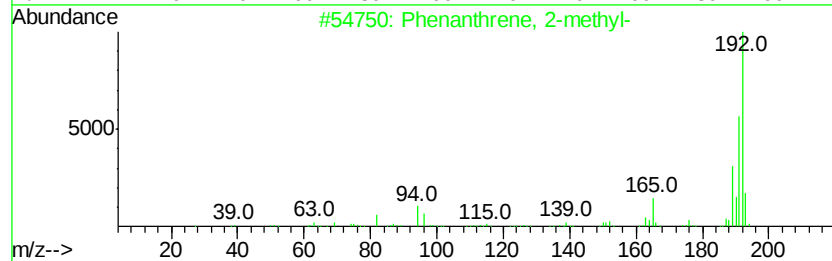
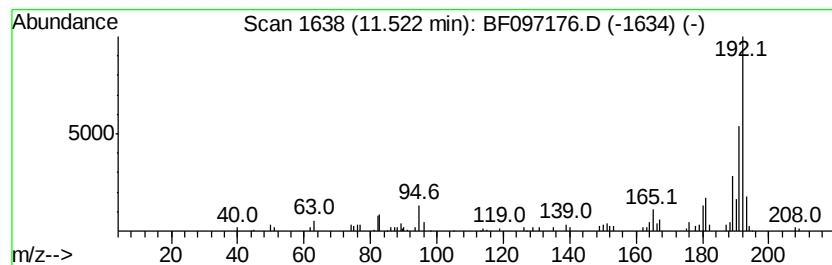
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	5.79 ng	181204	Phenanthrene-d10	10.99

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	95
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097176.D
Acq On : 29 Jul 2017 1:37
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ClientSampleId :
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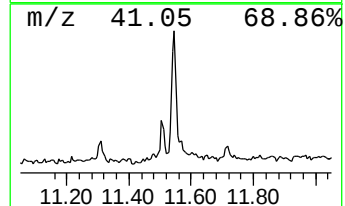
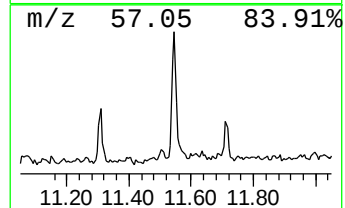
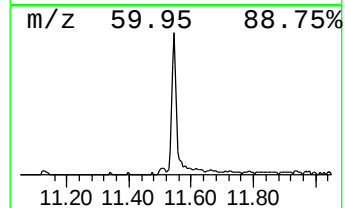
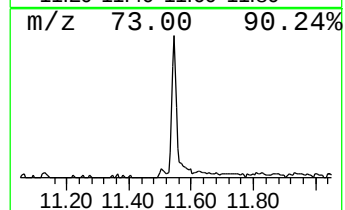
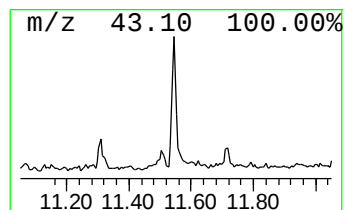
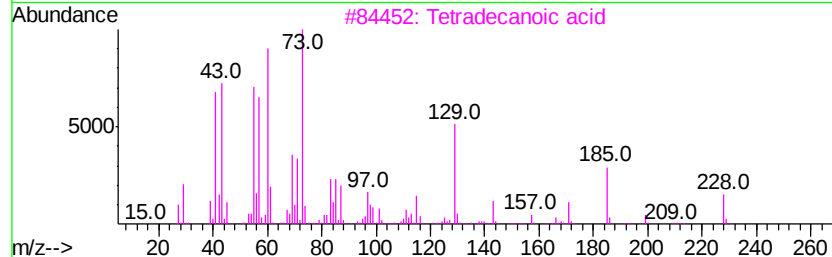
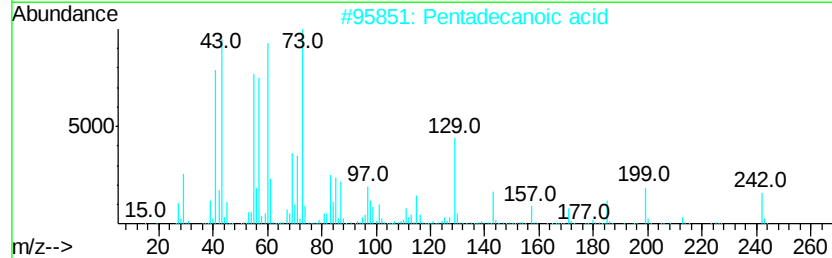
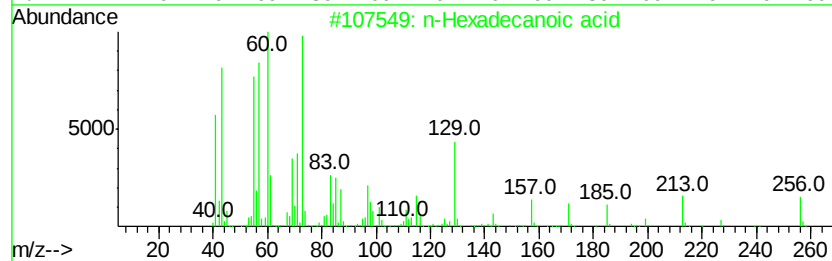
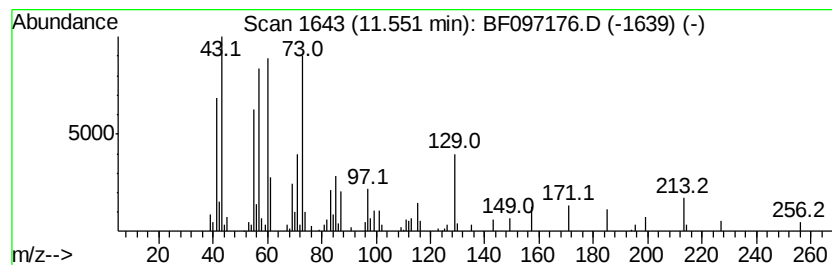
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	9.37 ng	293504	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4		Tridecanoic acid	214	C13H26O2	000638-53-9	76
5		n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097176.D
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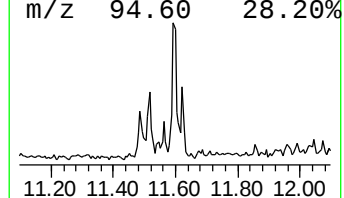
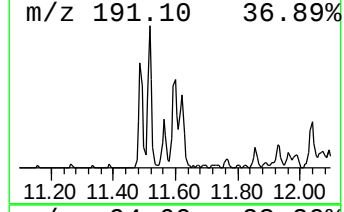
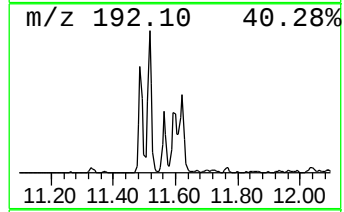
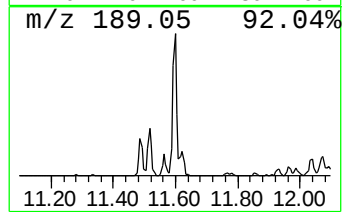
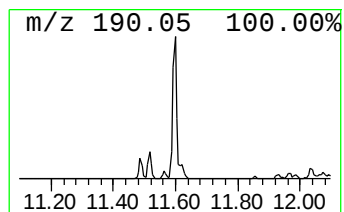
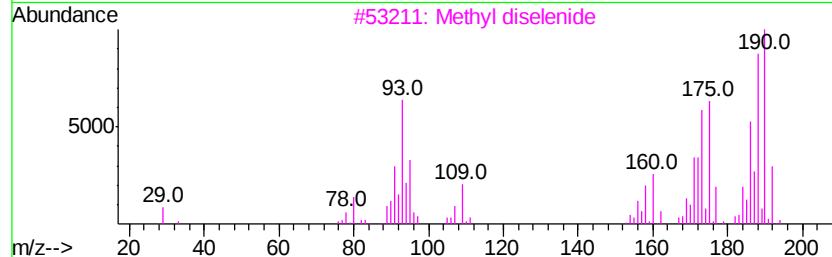
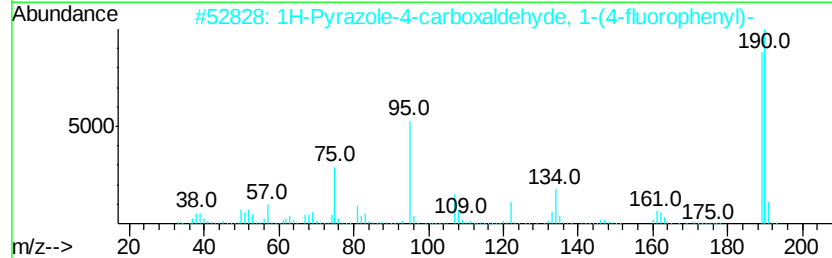
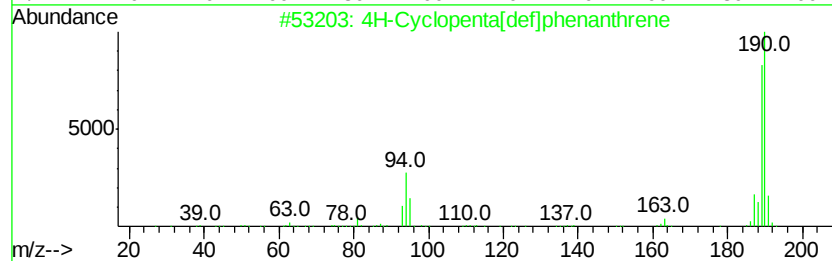
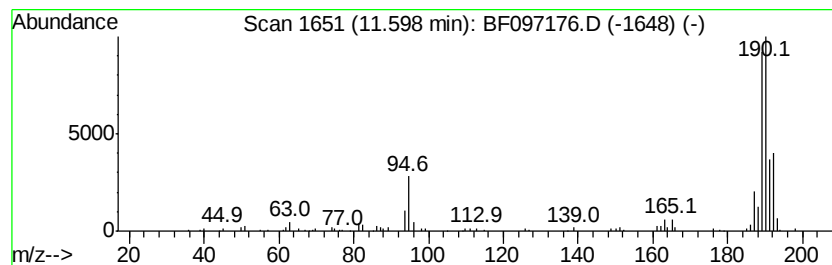
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	5.55 ng	173915	Phenanthrene-d10	10.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	49
3		Methyl diselenide	190	C2H6Se2	007101-31-7	46
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5		4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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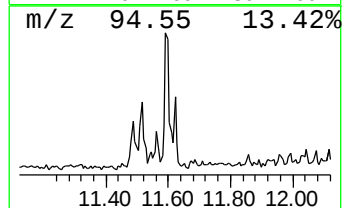
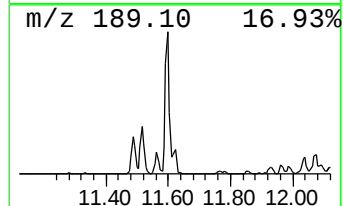
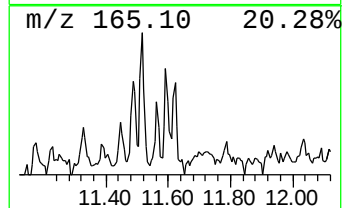
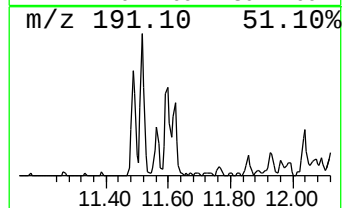
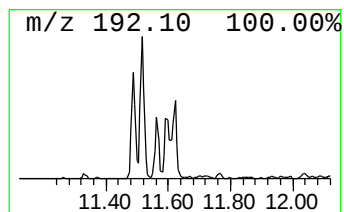
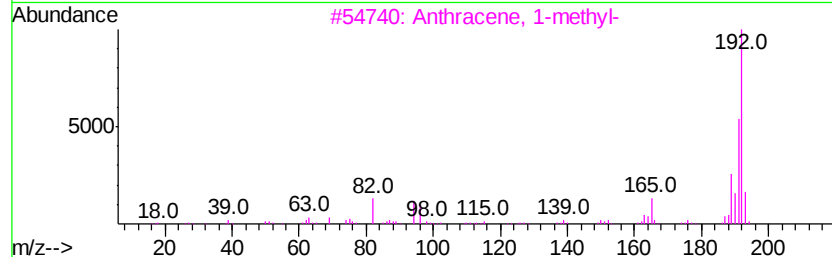
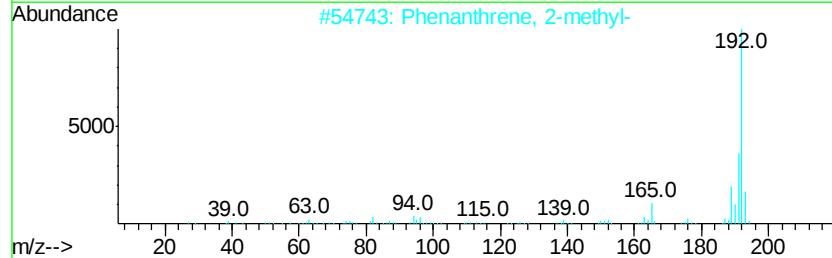
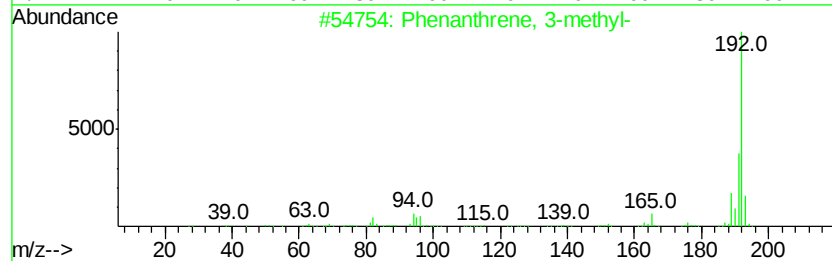
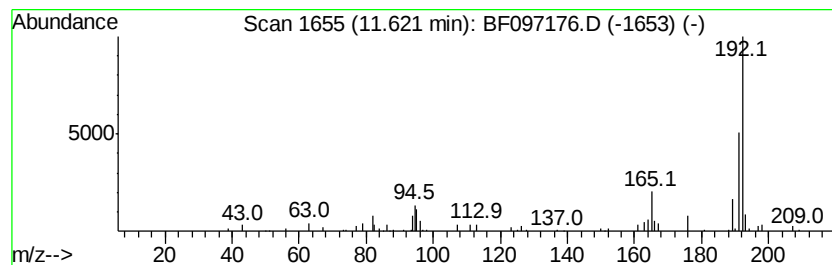
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	2.25 ng	70383	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097176.D
Acq On : 29 Jul 2017 1:37
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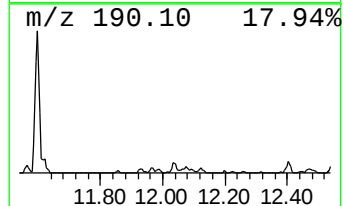
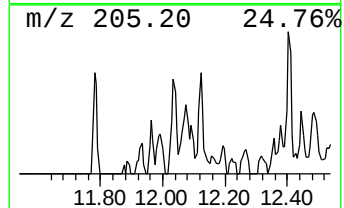
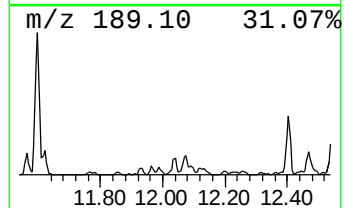
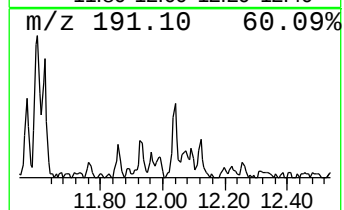
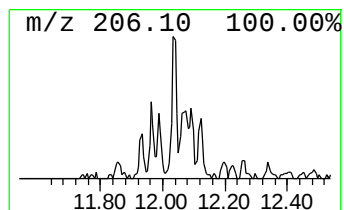
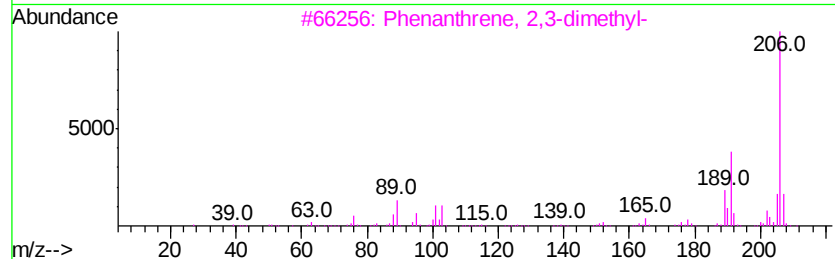
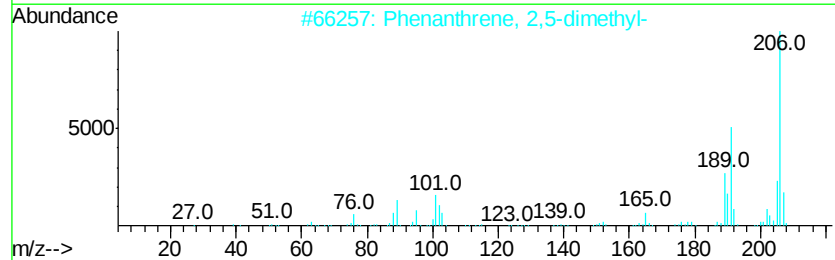
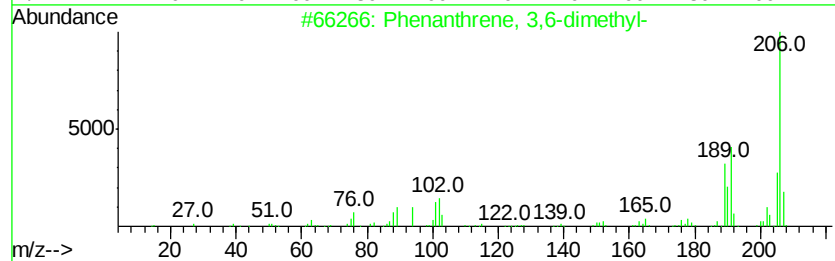
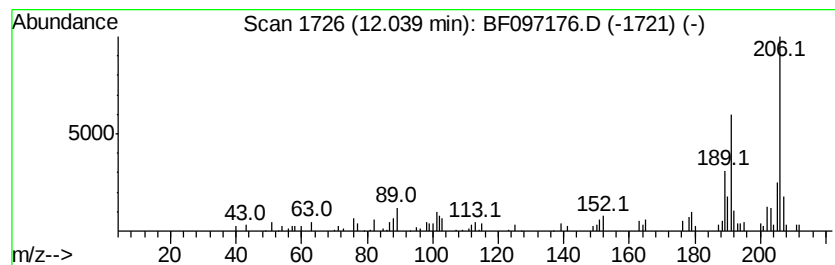
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.29 ng	71851	Phenanthrene-d10	10.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	90
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097176.D
Acq On : 29 Jul 2017 1:37
Operator : SJ/JU
Sample : I4456-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-15-SS-6

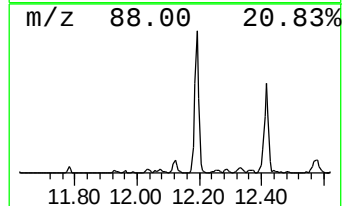
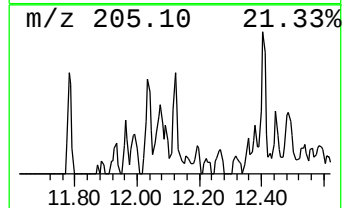
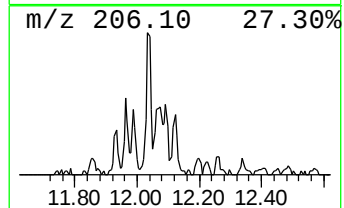
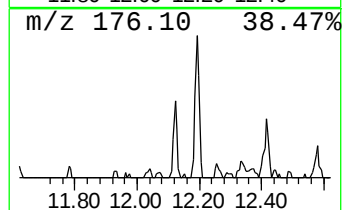
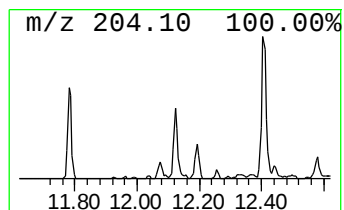
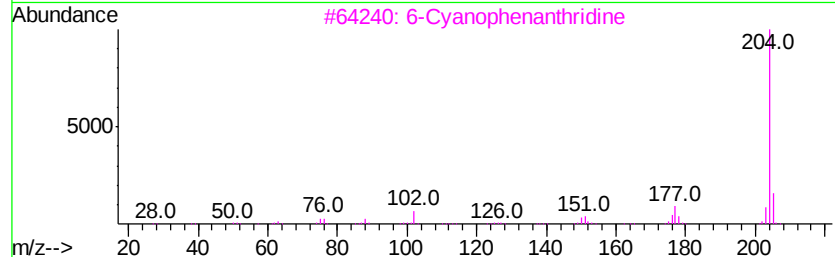
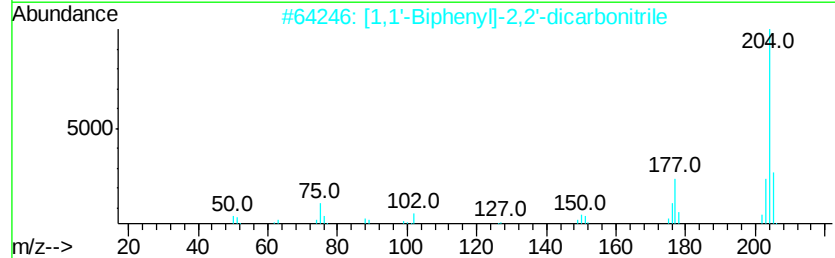
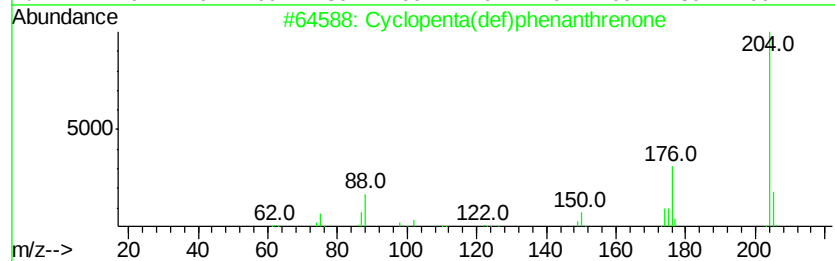
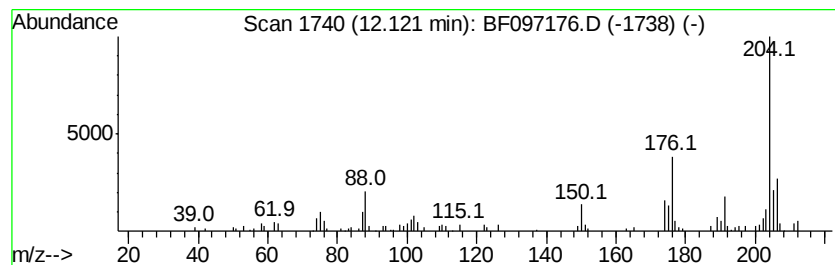
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.25 ng	70373	Phenanthrene-d10	10.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrene	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	46
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097176.D
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ClientSampleId :
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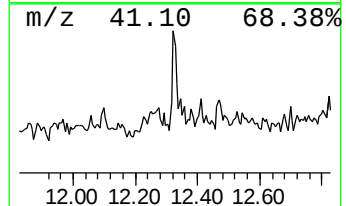
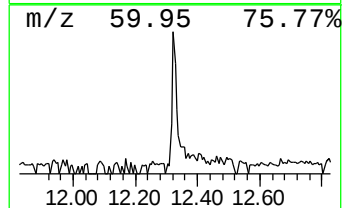
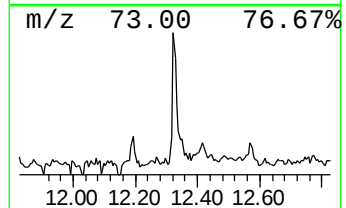
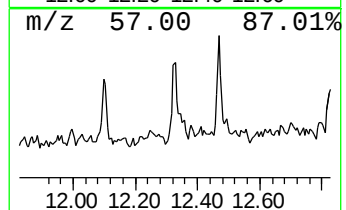
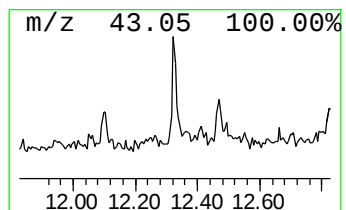
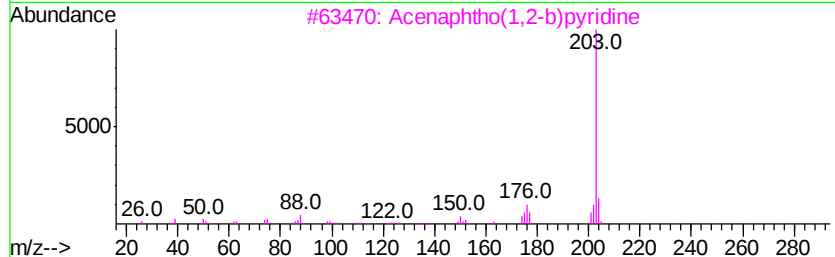
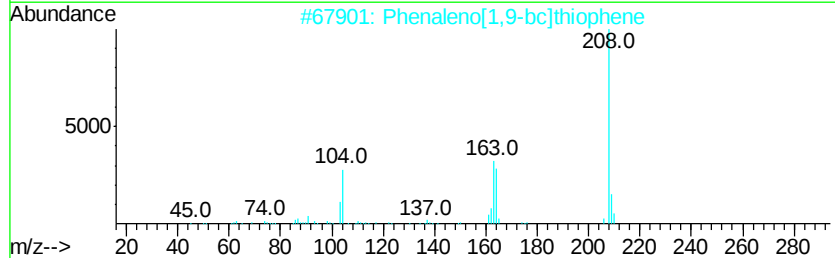
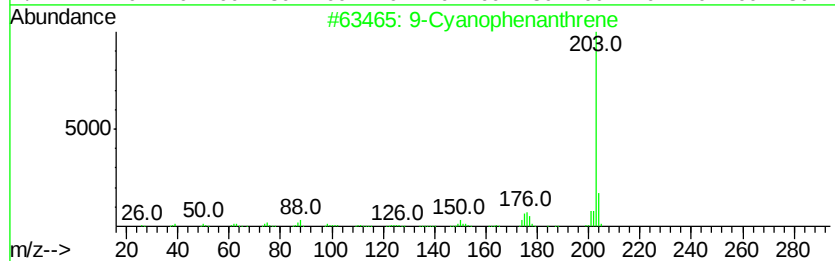
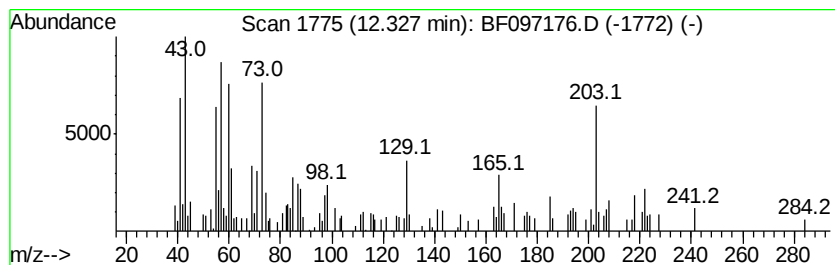
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.33 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.16 ng	137408	Chrysene-d12	13.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	38
2		Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	30
3		Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	25
4		Benzene, 1,2,4-trimethoxy-5-(1-p...	208	C12H16O3	000494-40-6	25
5		.beta.-Asarone	208	C12H16O3	005273-86-9	25



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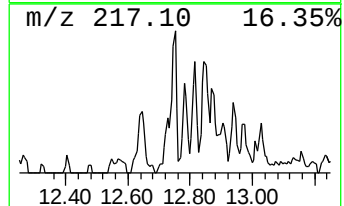
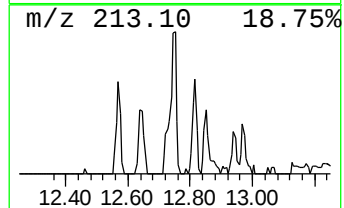
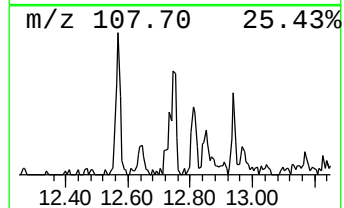
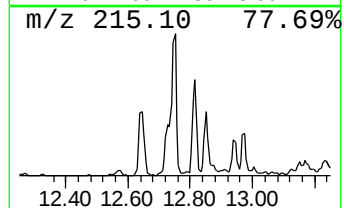
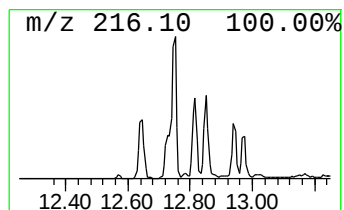
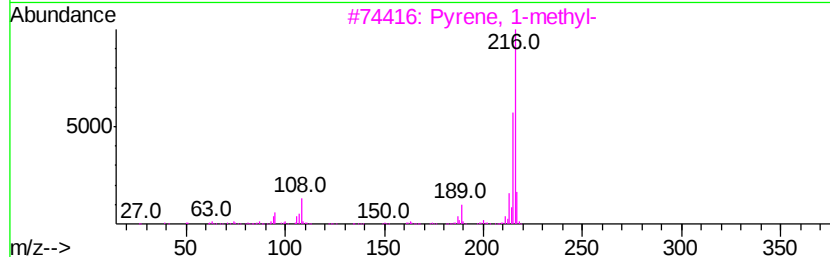
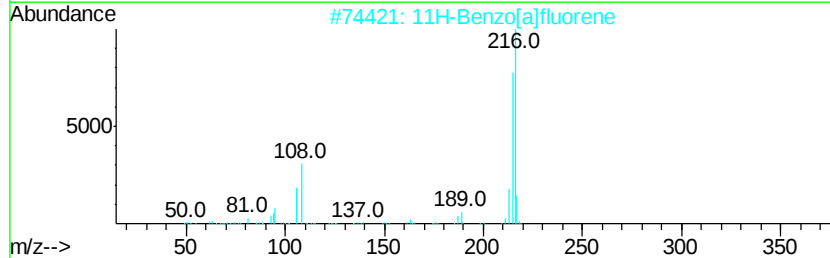
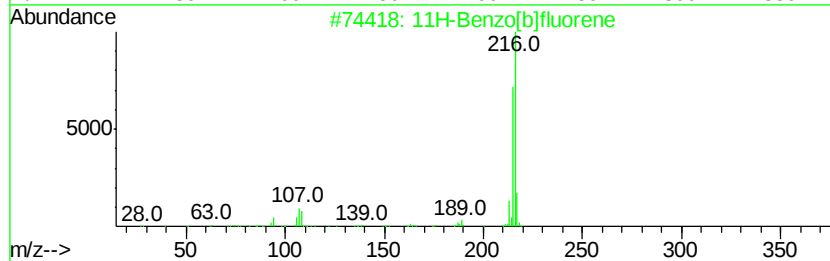
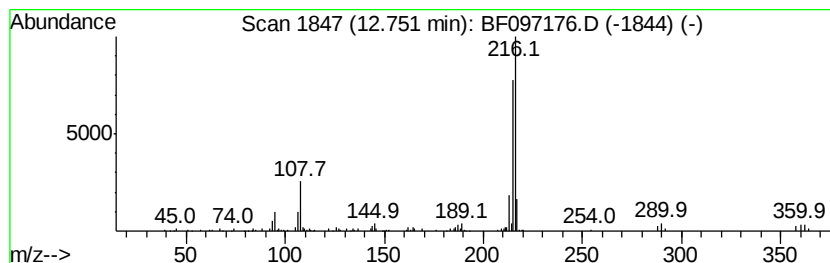
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.55 ng	161952	Chrysene-d12	13.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	72
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097176.D
Acq On : 29 Jul 2017 1:37
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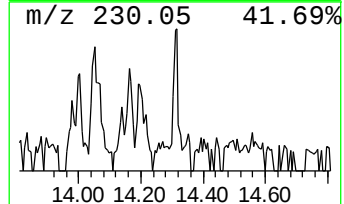
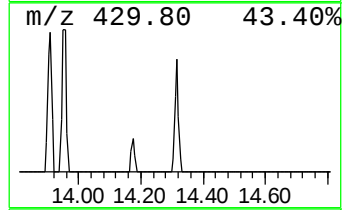
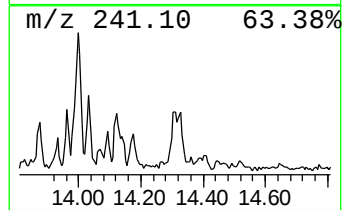
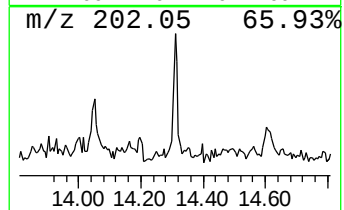
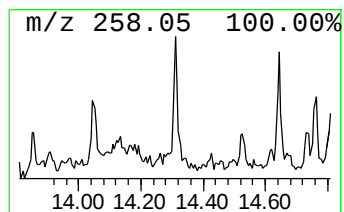
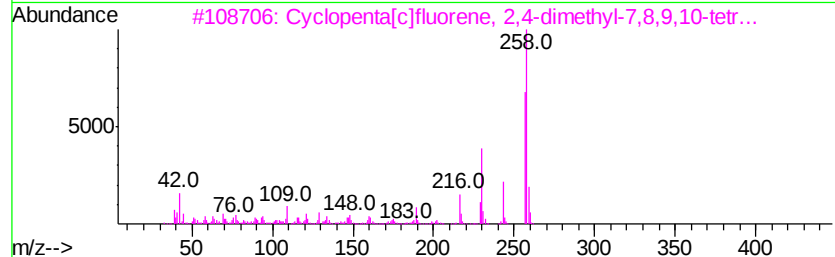
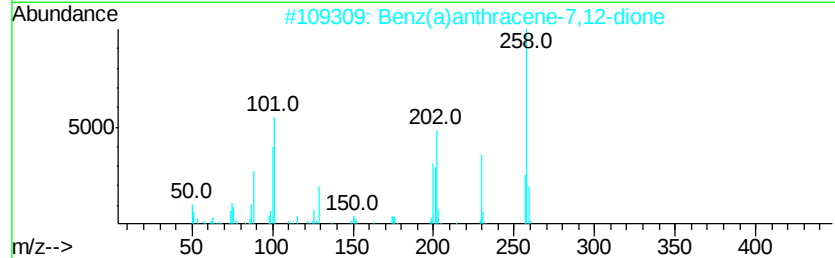
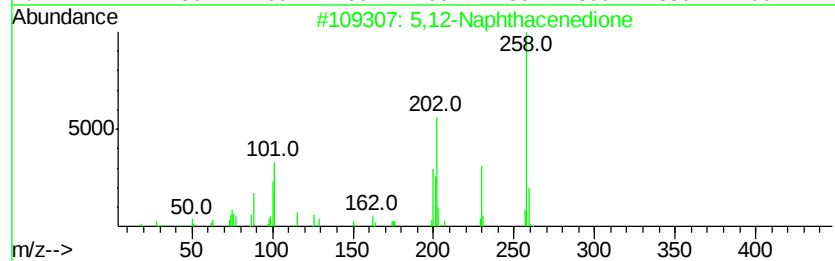
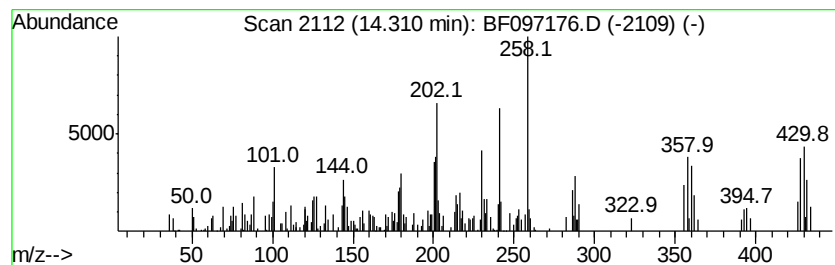
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5,12-Naphthacenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.77 ng	119934	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	53
2		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	38
3		Cyclopenta[cl]fluorene, 2,4-dimet...	258	C13H14N4S	1000304-26-5	30
4		6H-Dibenzo[b,d]pyran-6-one, 3,7,...	258	C14H10O5	000641-38-3	27
5		Yangonin	258	C15H14O4	000500-62-9	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
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Sample : I4456-09
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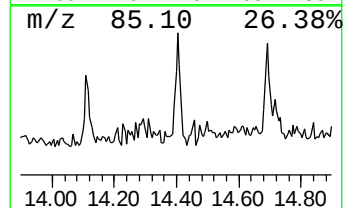
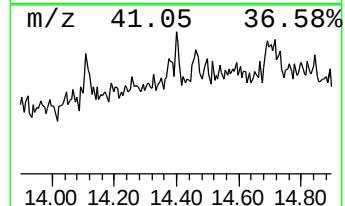
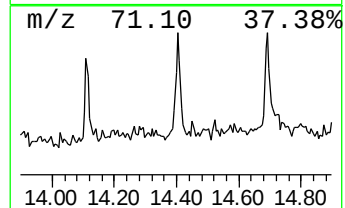
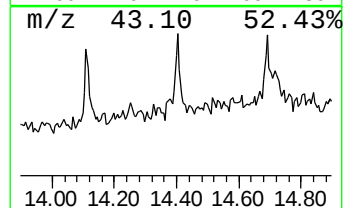
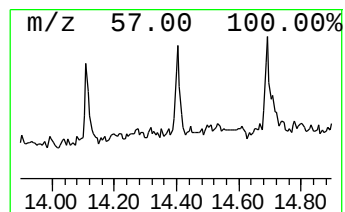
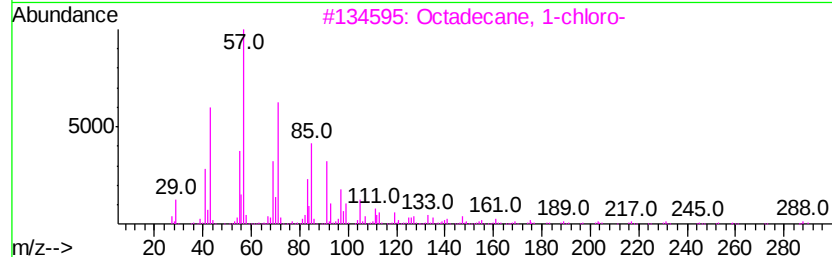
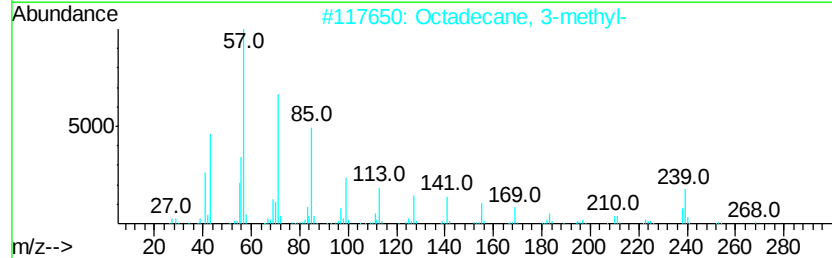
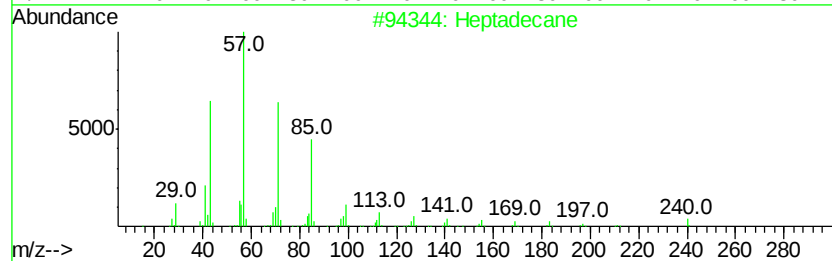
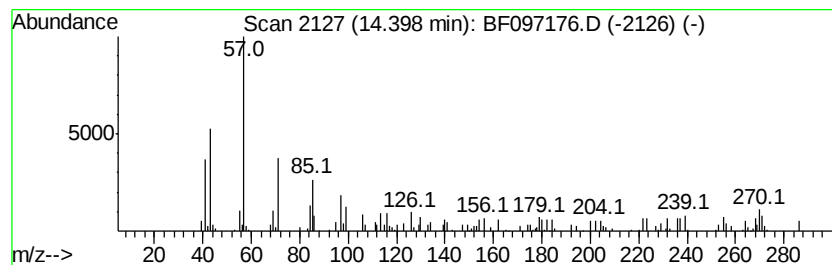
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.47 ng	51308	Perylene-d12	14.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane	240 C17H36	000629-78-7	55
2	Octadecane, 3-methyl-	268 C19H40	006561-44-0	49
3	Octadecane, 1-chloro-	288 C18H37Cl	003386-33-2	49
4	Hexadecane	226 C16H34	000544-76-3	49
5	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	47



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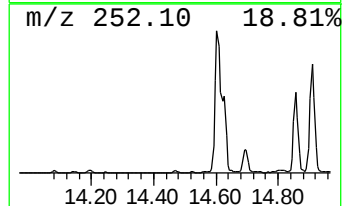
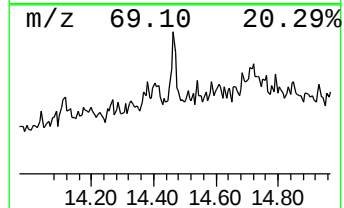
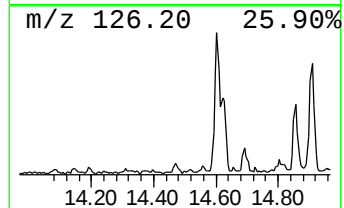
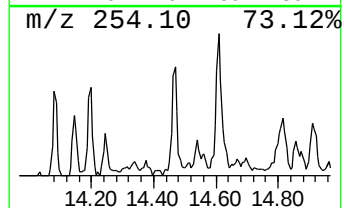
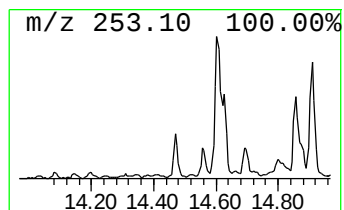
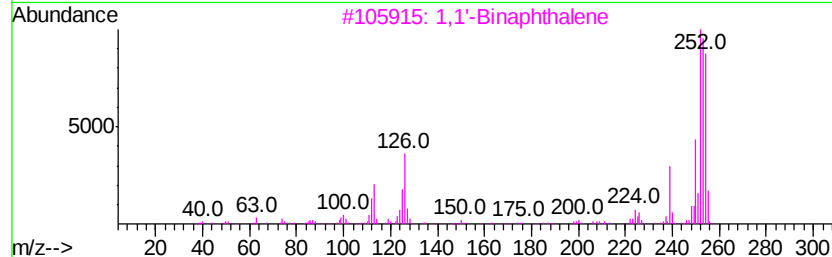
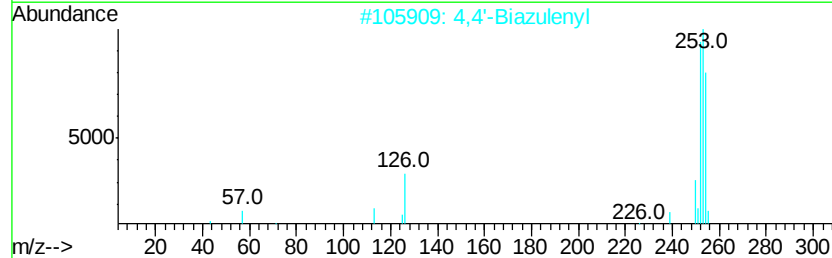
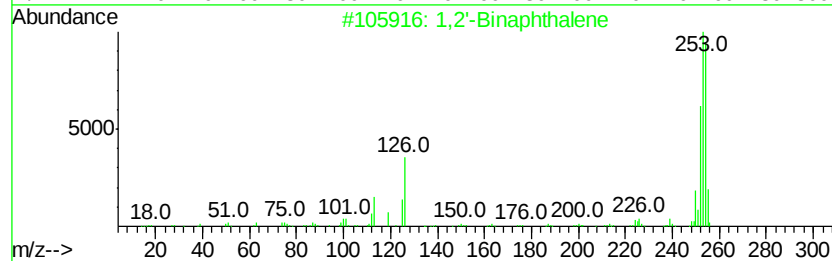
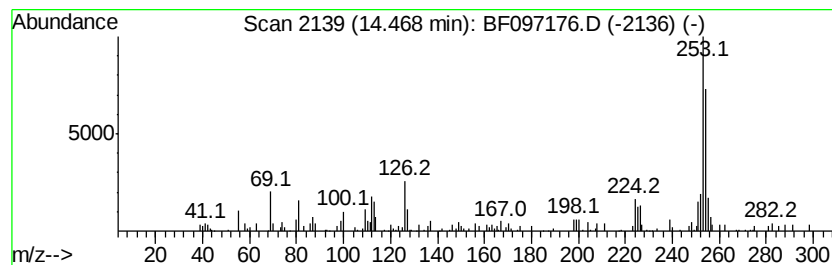
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,2'-Binaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.22 ng	66843	Perylene-d12	14.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	87
2		4,4'-BiazulenyI	254	C20H14	094053-54-0	83
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	80
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	80
5		3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64



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ALS Vial : 20 Sample Multiplier: 1

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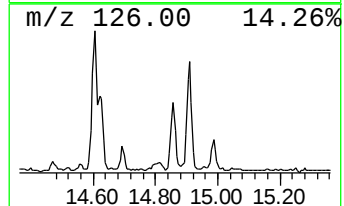
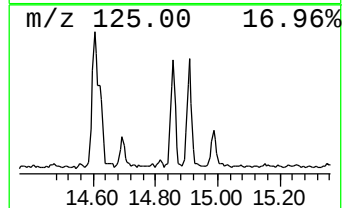
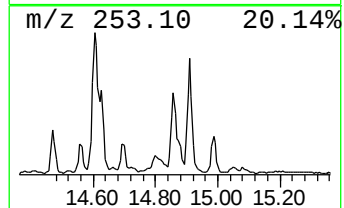
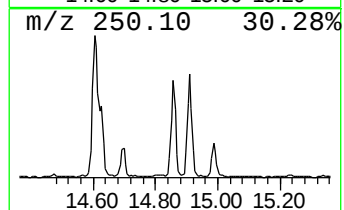
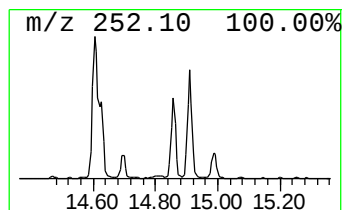
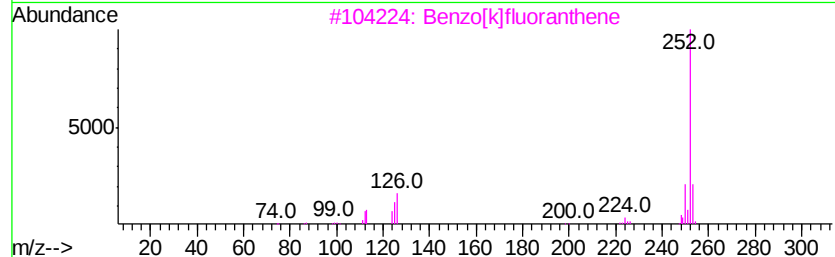
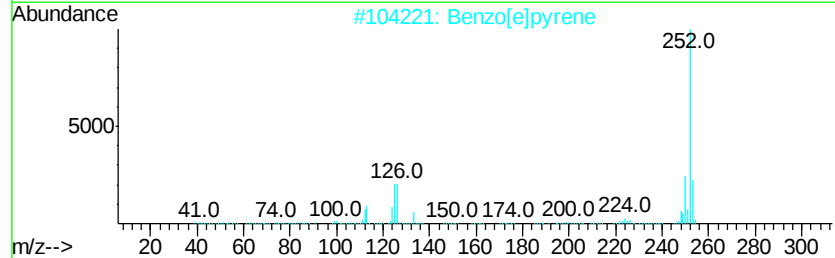
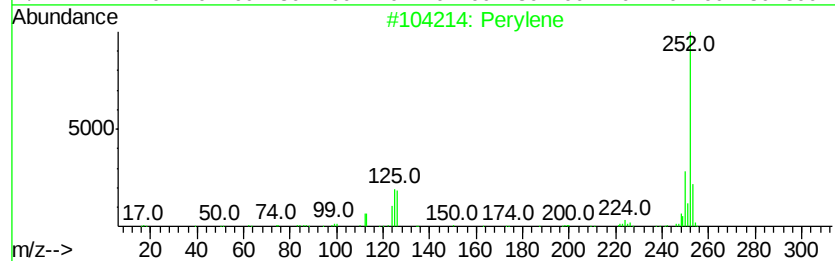
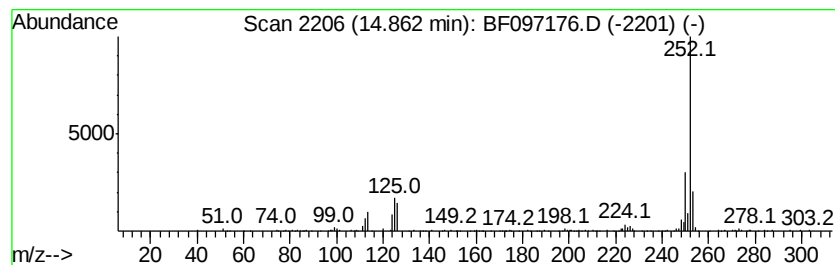
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	12.94 ng	268935	Perylene-d12	14.96

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	97
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
 Data File : BF097176.D
 Acq On : 29 Jul 2017 1:37
 Operator : SJ/JU
 Sample : I4456-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS-6

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...	4.63	19.6 ng		684296	1	6.49	698267	20.0
unknown6.26	6.26	65.7 ng		2294560	1	6.49	698267	20.0
Tridecane	10.44	3.7 ng		116837	4	10.99	626236	20.0
Naphtho[2,1-b]thi...	10.88	2.4 ng		73957	4	10.99	626236	20.0
Phenanthrene, 2-m...	11.49	3.5 ng		108467	4	10.99	626236	20.0
Phenanthrene, 1-m...	11.52	5.8 ng		181204	4	10.99	626236	20.0
n-Hexadecanoic acid	11.55	9.4 ng		293504	4	10.99	626236	20.0
4H-Cyclopenta[def...	11.60	5.5 ng		173915	4	10.99	626236	20.0
Phenanthrene, 3-m...	11.62	2.3 ng		70383	4	10.99	626236	20.0
Phenanthrene, 3,6...	12.04	2.3 ng		71851	4	10.99	626236	20.0
Cyclopenta(def)ph...	12.12	2.3 ng		70373	4	10.99	626236	20.0
unknown12.33	12.33	2.2 ng		137408	5	13.62	1270900	20.0
11H-Benzo[b]fluorene	12.75	2.5 ng		161952	5	13.62	1270900	20.0
5,12-Naphthacened...	14.31	5.8 ng		119934	6	14.96	415746	20.0
Heptadecane	14.40	2.5 ng		51308	6	14.96	415746	20.0
1,2'-Binaphthalene	14.47	3.2 ng		66843	6	14.96	415746	20.0
Perylene	14.86	12.9 ng		268935	6	14.96	415746	20.0