

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096654.D
 Acq On : 11 Jul 2017 19:50
 Operator : SJ/JU
 Sample : I4069-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	468	473	486	rVB	632394	776713	37.55%	2.943%
2	5.298	541	546	549	rBV	1912984	1748456	84.54%	6.624%
3	6.328	716	721	731	rVB	2022057	2068311	100.00%	7.836%
4	6.457	738	743	746	rBV	2057967	1945920	94.08%	7.372%
5	6.686	778	782	785	rBV	779777	660993	31.96%	2.504%
6	6.839	804	808	812	rBV	1601655	1475985	71.36%	5.592%
7	7.245	872	877	880	rBV	1444259	1303378	63.02%	4.938%
8	7.969	996	1000	1002	rBV	929297	846648	40.93%	3.208%
9	7.986	1002	1003	1006	rVB	41665	23798	1.15%	0.090%
10	9.045	1178	1183	1186	rBV	1925698	1709276	82.64%	6.476%
11	9.433	1246	1249	1255	rBV	269762	231240	11.18%	0.876%
12	9.575	1269	1273	1278	rVB	81535	65162	3.15%	0.247%
13	9.716	1292	1297	1300	rBV2	869739	757828	36.64%	2.871%
14	9.745	1300	1302	1306	rVB	42845	37181	1.80%	0.141%
15	9.922	1328	1332	1336	rVB	27621	24106	1.17%	0.091%
16	10.163	1370	1373	1376	rVB2	39991	31969	1.55%	0.121%
17	10.263	1387	1390	1396	rVB2	30878	32524	1.57%	0.123%
18	10.380	1406	1410	1414	rBV4	14578	22098	1.07%	0.084%
19	10.498	1426	1430	1436	rBV	685576	583418	28.21%	2.210%
20	10.633	1449	1453	1460	rBV2	60794	73057	3.53%	0.277%
21	10.998	1513	1515	1520	rVB2	26829	26826	1.30%	0.102%
22	11.051	1520	1524	1526	rBV3	20908	22824	1.10%	0.086%
23	11.080	1526	1529	1533	rVV2	40770	44105	2.13%	0.167%
24	11.192	1544	1548	1550	rBV	617927	560220	27.09%	2.122%
25	11.216	1550	1552	1556	rVV	498848	384723	18.60%	1.458%
26	11.269	1556	1561	1564	rVB	113606	97916	4.73%	0.371%
27	11.421	1583	1587	1591	rBV2	30763	35274	1.71%	0.134%
28	11.492	1597	1599	1603	rBV3	18178	27167	1.31%	0.103%
29	11.692	1628	1633	1636	rBV	71272	73220	3.54%	0.277%
30	11.721	1636	1638	1643	rVB	110116	105861	5.12%	0.401%
31	11.768	1643	1646	1649	rBV2	47413	37133	1.80%	0.141%
32	11.804	1649	1652	1655	rBV	123941	134964	6.53%	0.511%
33	11.827	1655	1656	1661	rVB	73246	47027	2.27%	0.178%
34	11.910	1661	1670	1672	rBV5	18256	35312	1.71%	0.134%

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35	11.992	1681	1684	1685	rBV	59483	51077	2.47%	0.194%
36	12.010	1685	1687	1694	rVB2	50477	47160	2.28%	0.179%
37	12.139	1704	1709	1712	rBV3	42578	46750	2.26%	0.177%
38	12.245	1724	1727	1730	rBV	58462	59765	2.89%	0.226%
39	12.280	1730	1733	1735	rVV3	31830	39403	1.91%	0.149%
40	12.327	1738	1741	1746	rVB	68410	73718	3.56%	0.279%
41	12.404	1750	1754	1759	rVB	944955	821756	39.73%	3.113%
42	12.451	1759	1762	1767	rBV4	28600	43890	2.12%	0.166%
43	12.498	1767	1770	1772	rVV	43023	36078	1.74%	0.137%
44	12.551	1772	1779	1784	rVV4	37709	74153	3.59%	0.281%
45	12.627	1787	1792	1796	rVV	858352	957354	46.29%	3.627%
46	12.674	1798	1800	1806	rVV3	39607	56506	2.73%	0.214%
47	12.751	1809	1813	1814	rBV	61160	55114	2.66%	0.209%
48	12.780	1814	1818	1821	rVV	1261868	1170891	56.61%	4.436%
49	12.851	1825	1830	1833	rBV3	68932	103398	5.00%	0.392%
50	12.915	1837	1841	1842	rVV3	29124	32785	1.59%	0.124%
51	12.933	1842	1844	1846	rVV2	63540	77289	3.74%	0.293%
52	12.957	1846	1848	1851	rVB2	112081	105244	5.09%	0.399%
53	13.027	1856	1860	1862	rBV	66465	60609	2.93%	0.230%
54	13.063	1862	1866	1868	rBV	118808	118231	5.72%	0.448%
55	13.121	1873	1876	1878	rBV2	22506	26117	1.26%	0.099%
56	13.151	1878	1881	1884	rBV	55225	48493	2.34%	0.184%
57	13.186	1884	1887	1891	rBV	53591	57310	2.77%	0.217%
58	13.368	1915	1918	1923	rVB6	29718	45793	2.21%	0.173%
59	13.462	1931	1934	1939	rVB	85972	98273	4.75%	0.372%
60	13.574	1948	1953	1955	rBV2	100636	127091	6.14%	0.481%
61	13.604	1955	1958	1960	rVV	87448	93418	4.52%	0.354%
62	13.621	1960	1961	1966	rVV2	73446	109127	5.28%	0.413%
63	13.668	1966	1969	1970	rVV2	91438	85053	4.11%	0.322%
64	13.686	1970	1972	1976	rVB	96104	99962	4.83%	0.379%
65	13.821	1988	1995	1998	rBV2	855264	1272214	61.51%	4.820%
66	13.851	1998	2000	2003	rVB	444724	347813	16.82%	1.318%
67	13.927	2011	2013	2016	rBV	53982	40403	1.95%	0.153%
68	13.962	2017	2019	2022	rVV	36471	36571	1.77%	0.139%
69	14.010	2024	2027	2030	rVV	46872	53347	2.58%	0.202%
70	14.045	2030	2033	2037	rVV2	36381	52505	2.54%	0.199%
71	14.080	2037	2039	2042	rVB4	28997	23679	1.14%	0.090%

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72	14.145	2048	2050	2053	rVB4	26645	24739	1.20%	0.094%
73	14.174	2053	2055	2057	rBV	34704	38673	1.87%	0.147%
74	14.210	2058	2061	2064	rVV	111488	121405	5.87%	0.460%
75	14.245	2064	2067	2071	rVV2	70474	66953	3.24%	0.254%
76	14.304	2071	2077	2080	rVV4	55815	107709	5.21%	0.408%
77	14.333	2080	2082	2084	rVV2	67570	63988	3.09%	0.242%
78	14.357	2084	2086	2090	rVB3	49602	49952	2.42%	0.189%
79	14.509	2110	2112	2114	rBV2	33062	31838	1.54%	0.121%
80	14.745	2150	2152	2155	rVB3	32047	25063	1.21%	0.095%
81	14.833	2162	2167	2170	rBV	512307	760466	36.77%	2.881%
82	14.927	2181	2183	2188	rVB	124752	130865	6.33%	0.496%
83	15.109	2210	2214	2219	rVB	292568	362751	17.54%	1.374%
84	15.168	2219	2224	2229	rBV	435456	492041	23.79%	1.864%
85	15.227	2229	2234	2237	rVV	528091	644218	31.15%	2.441%
86	15.251	2237	2238	2245	rVB2	145578	161800	7.82%	0.613%
87	16.562	2456	2461	2470	rVB2	172230	311893	15.08%	1.182%
88	16.721	2485	2488	2492	rBV2	26693	42692	2.06%	0.162%
89	16.962	2524	2529	2538	rVB	127789	259058	12.53%	0.981%

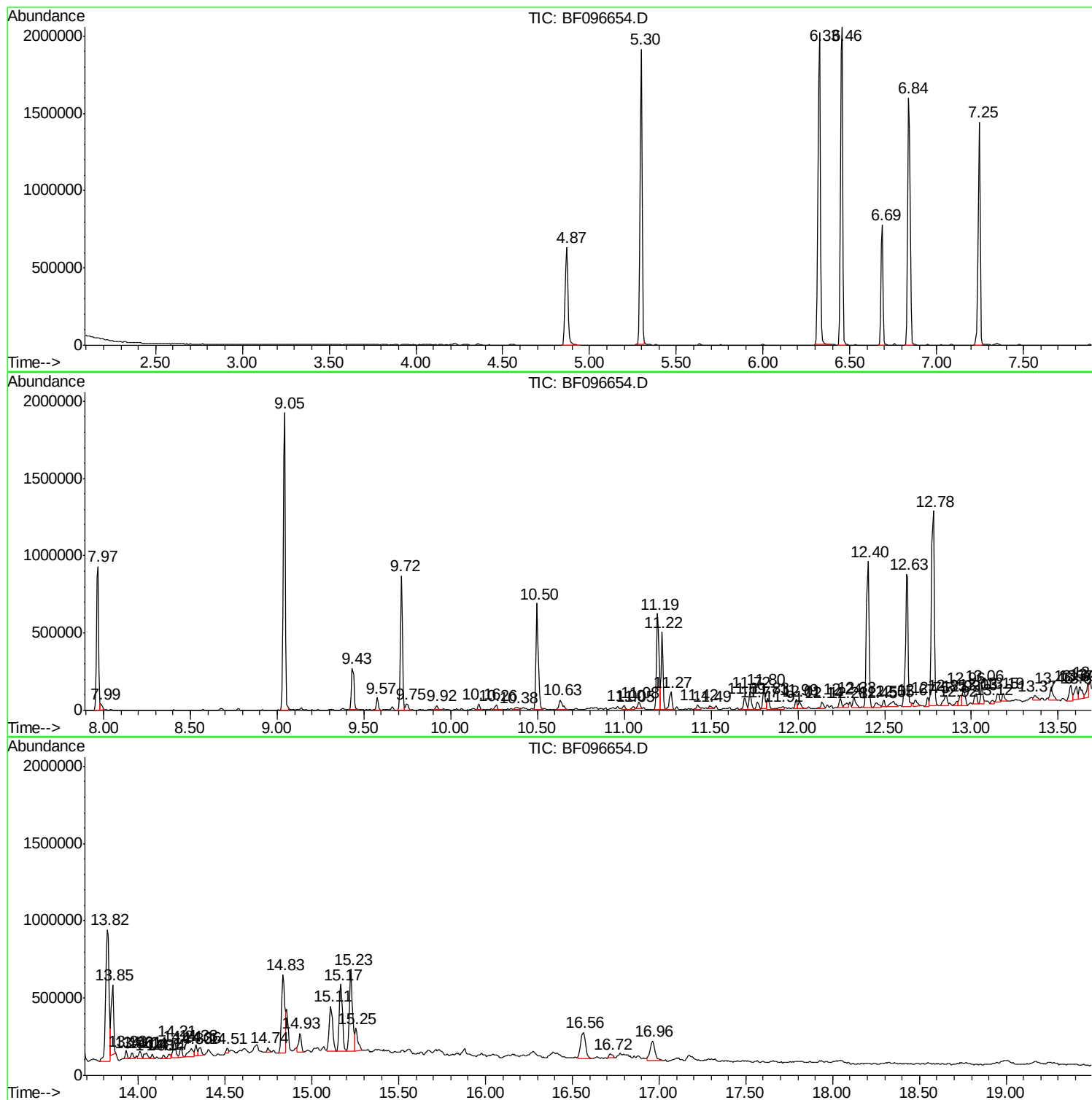
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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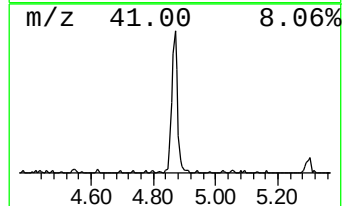
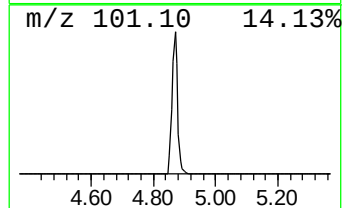
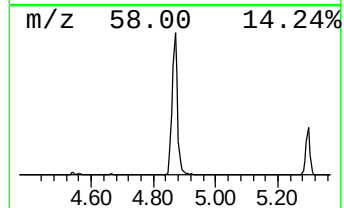
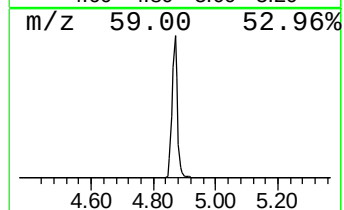
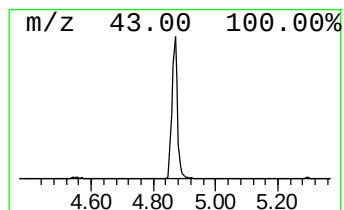
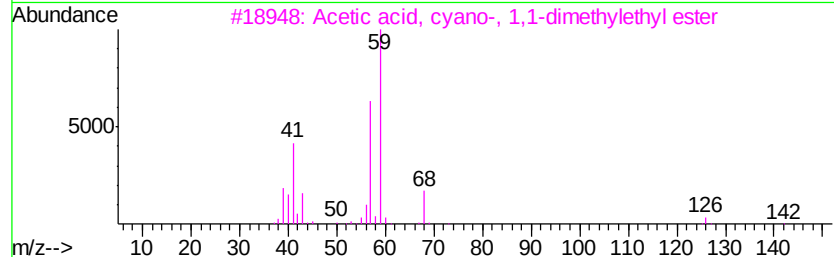
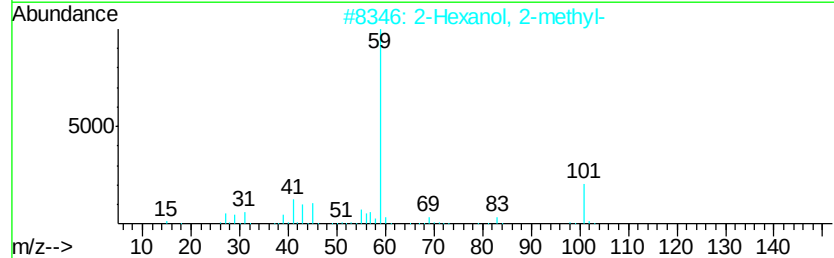
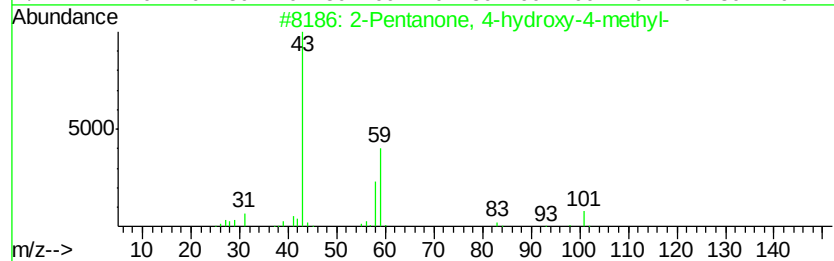
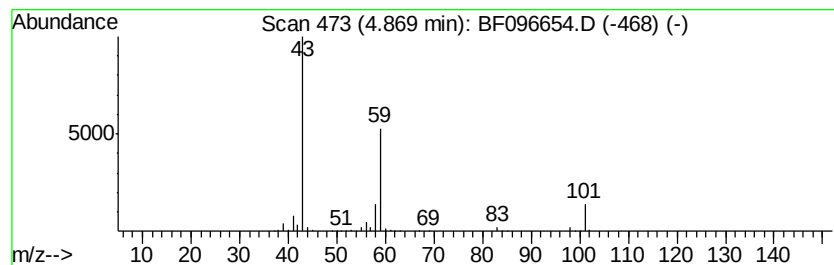
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	23.50 ng	776713	1,4-Dichlorobenzene-d4	6.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9



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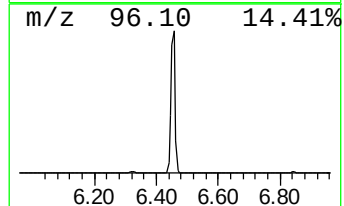
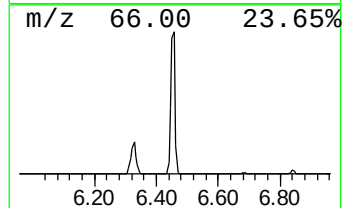
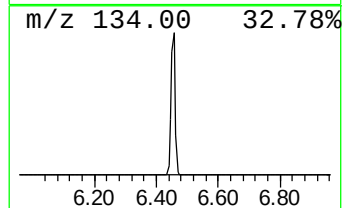
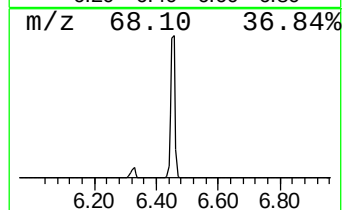
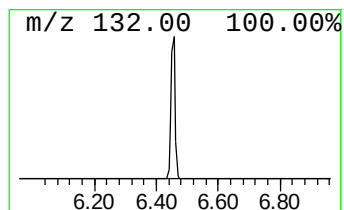
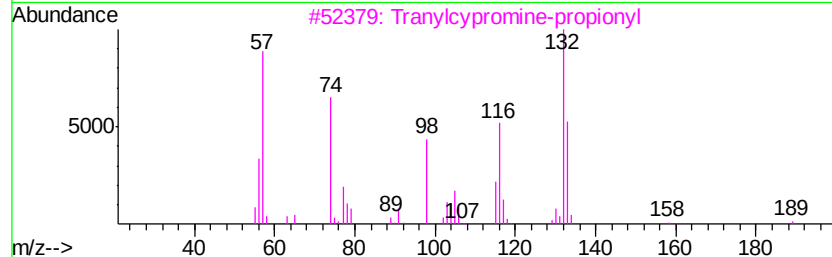
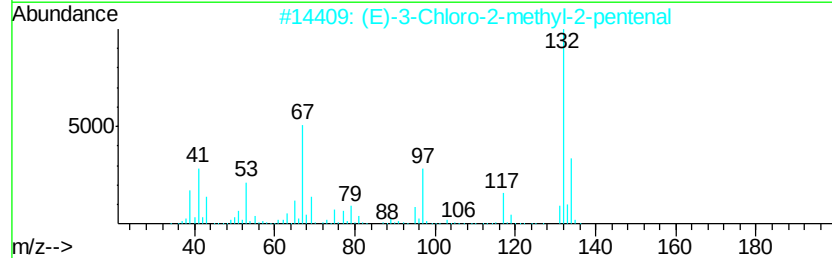
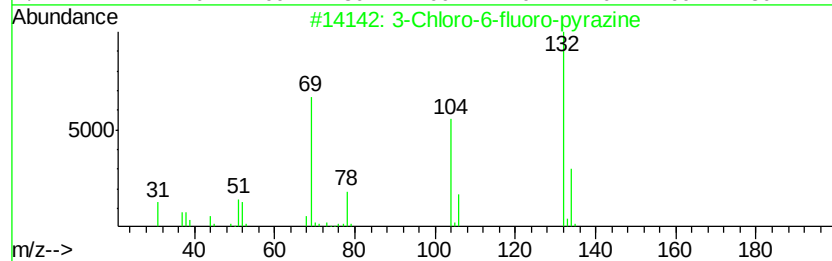
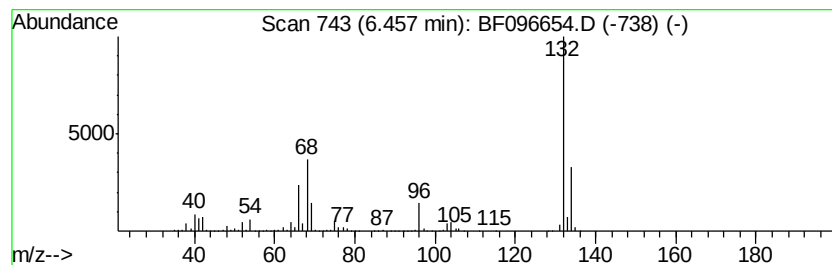
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	58.88 ng	1945920	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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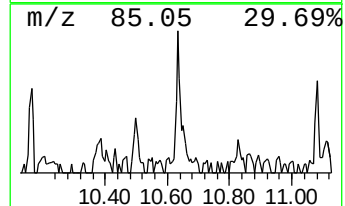
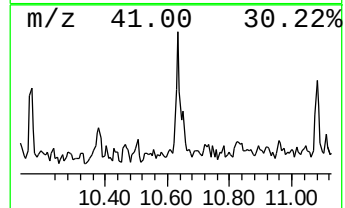
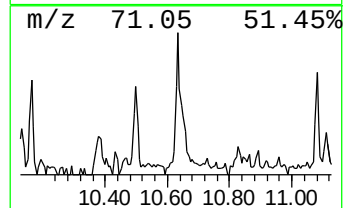
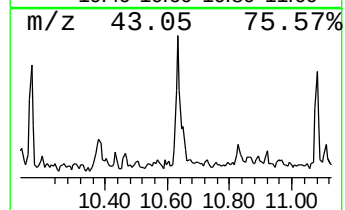
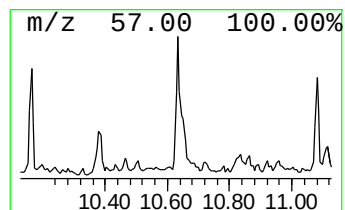
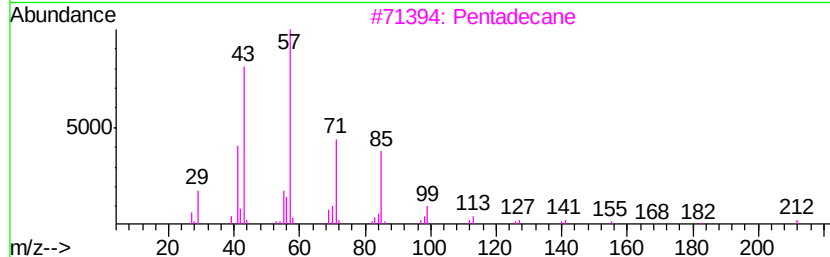
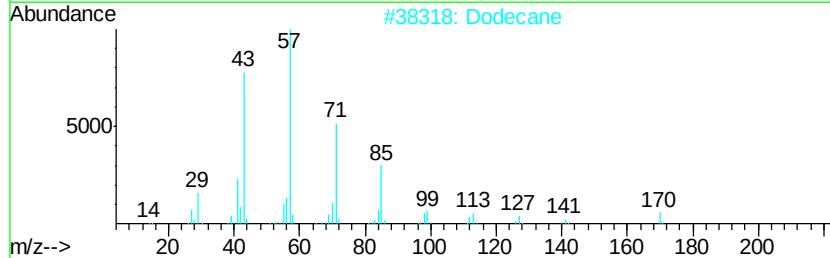
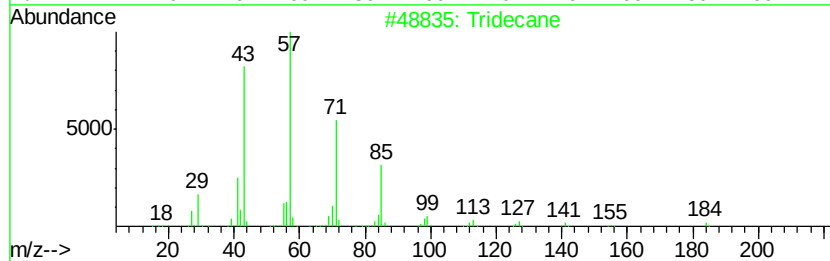
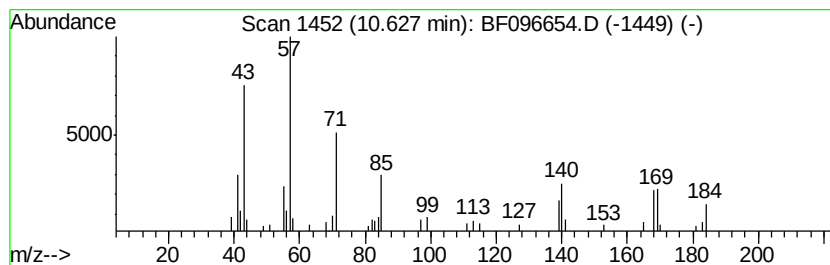
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.63	2.61 ng	73057	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Dodecane	170	C12H26	000112-40-3	72
3	Pentadecane	212	C15H32	000629-62-9	72
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72



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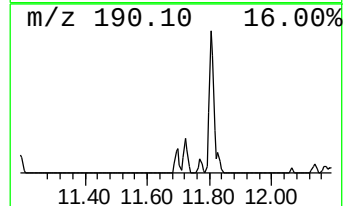
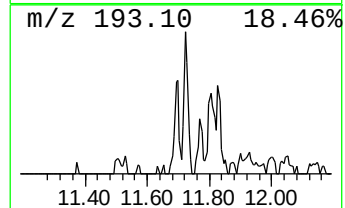
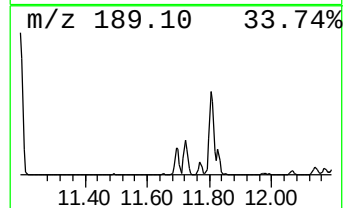
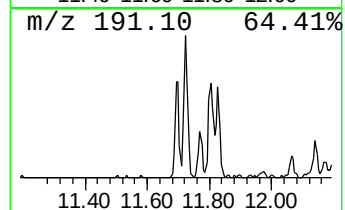
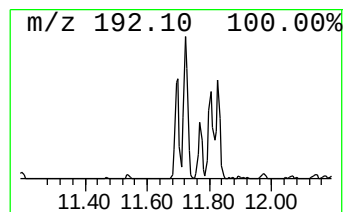
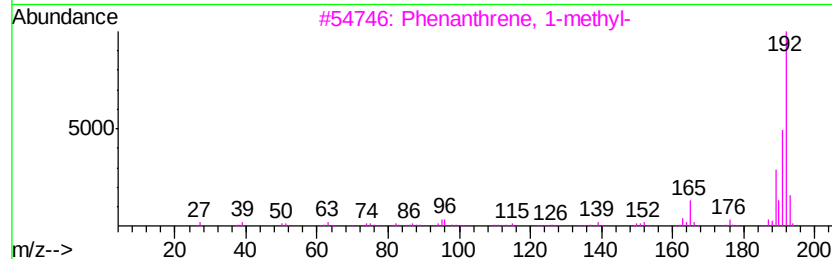
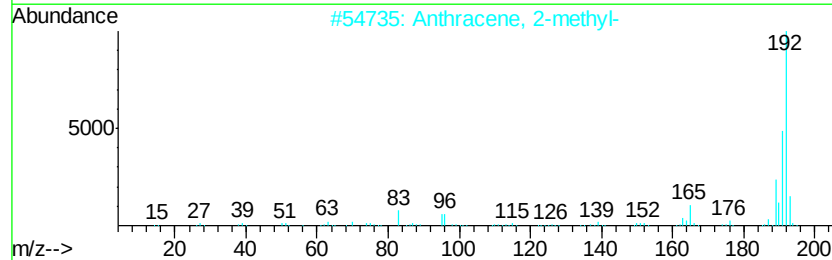
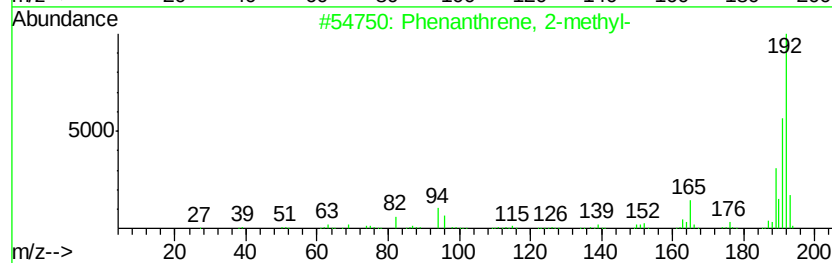
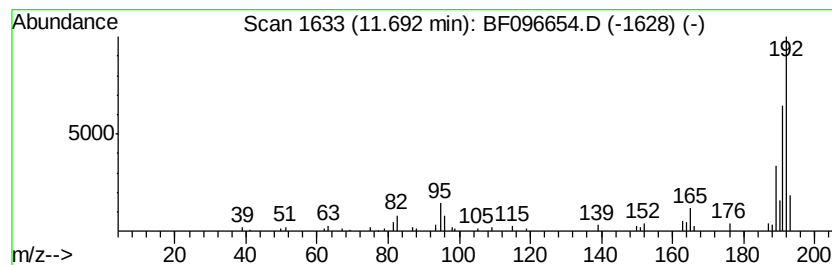
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.69	2.61 ng	73220	Phenanthrene-d10		11.19
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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096654.D
Acq On : 11 Jul 2017 19:50
Operator : SJ/JU
Sample : I4069-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-3

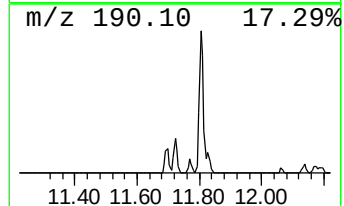
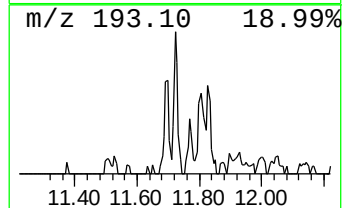
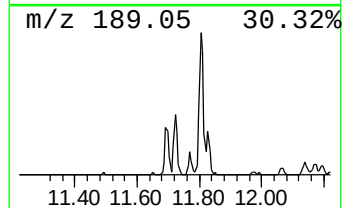
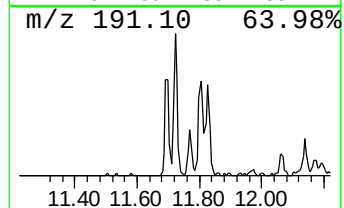
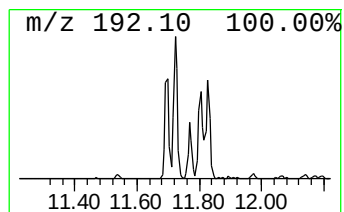
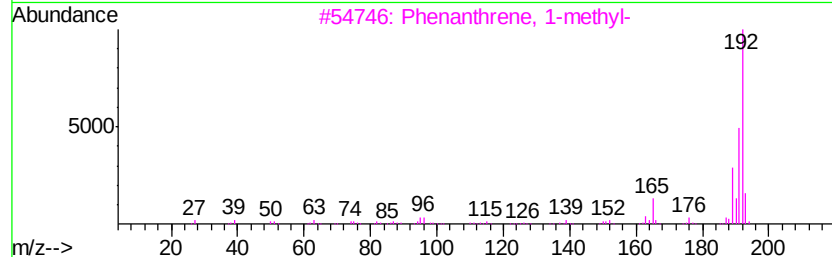
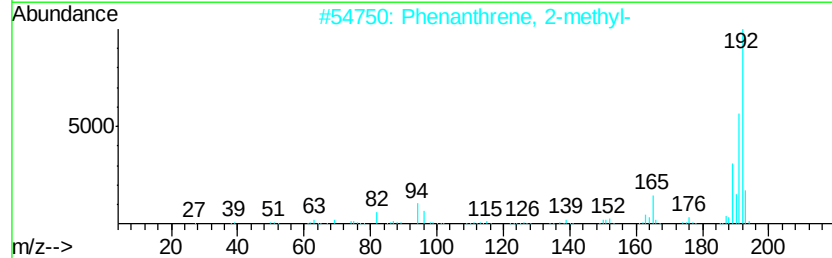
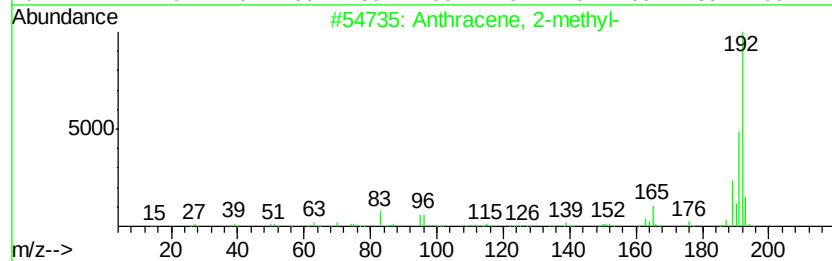
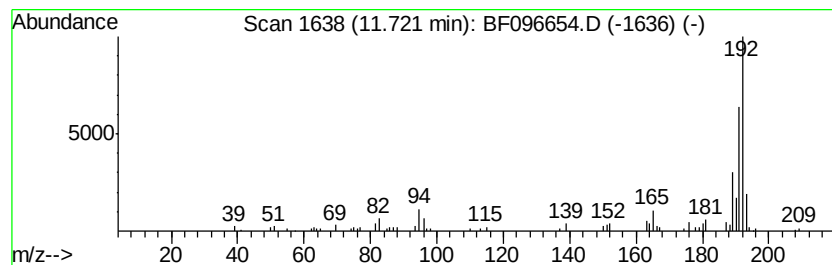
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	3.78 ng	105861	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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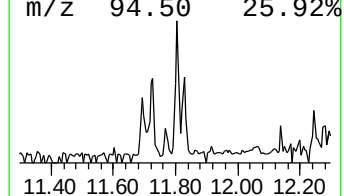
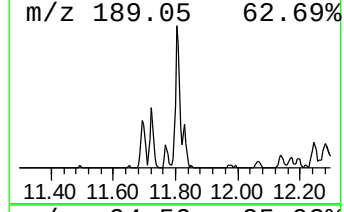
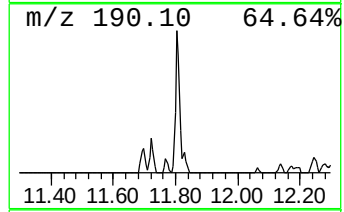
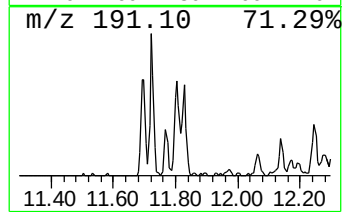
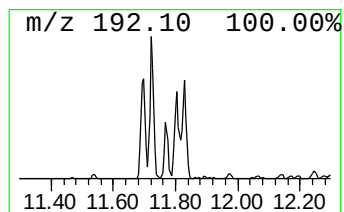
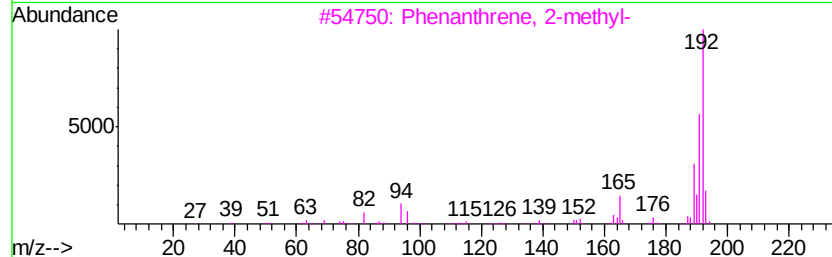
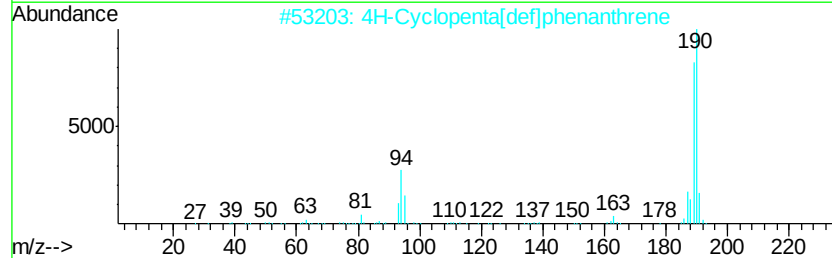
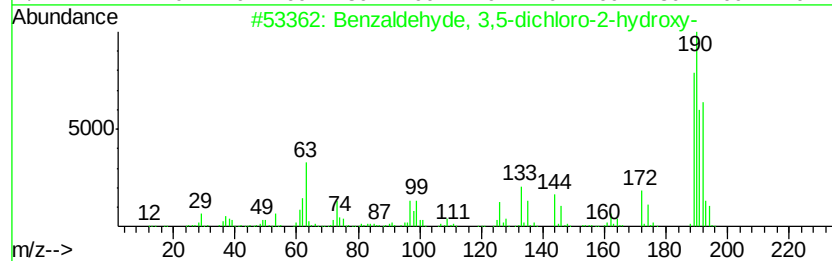
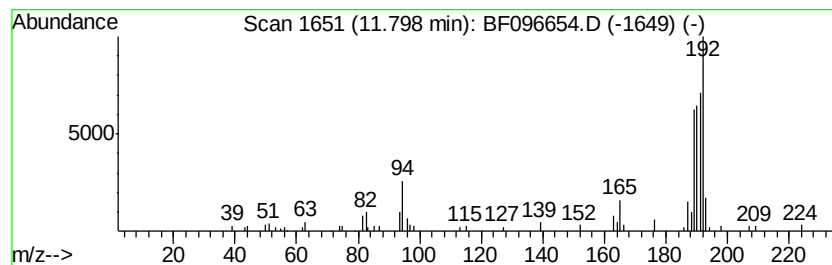
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.82 ng	134964	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	42
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
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Operator : SJ/JU
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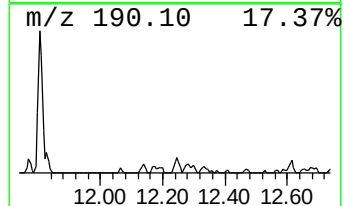
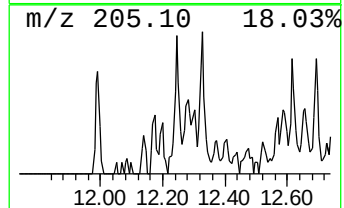
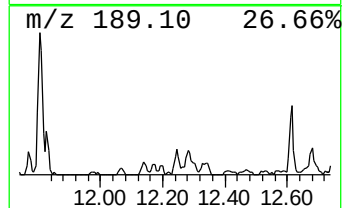
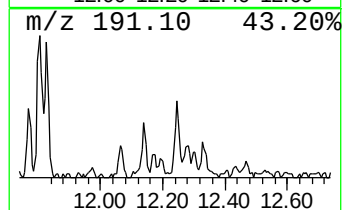
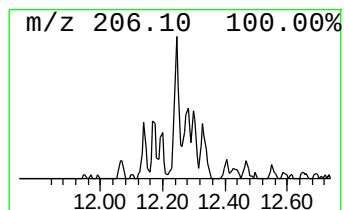
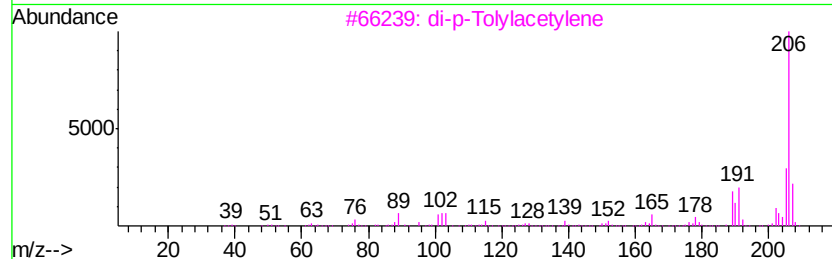
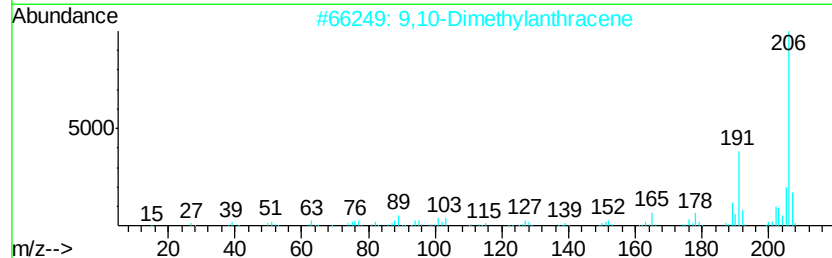
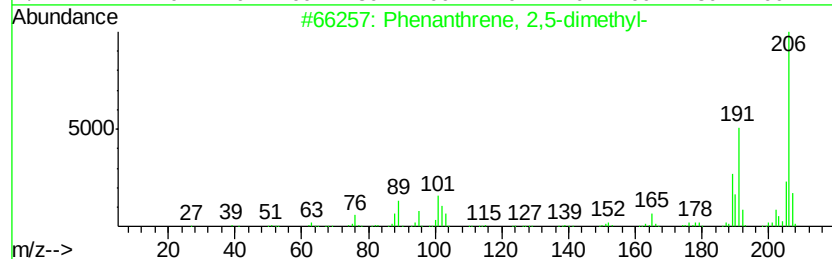
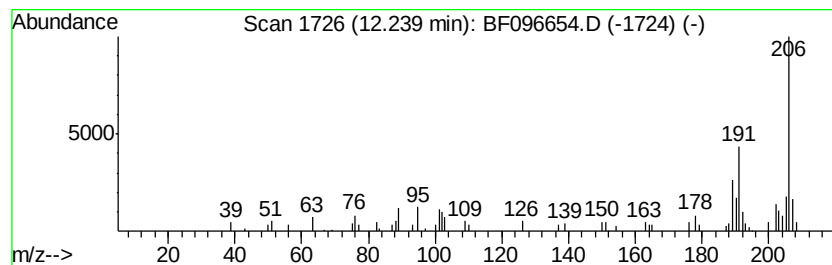
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.24	2.13 ng	59765	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096654.D
Acq On : 11 Jul 2017 19:50
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Sample : I4069-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampled :
SB-3

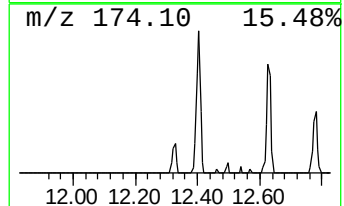
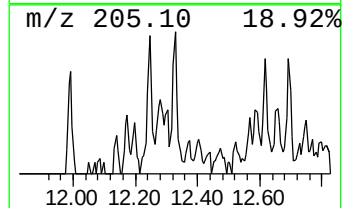
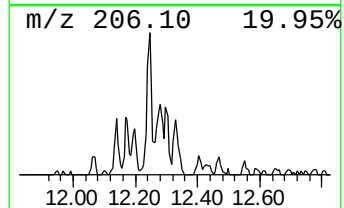
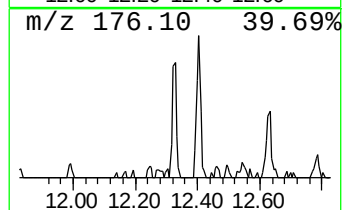
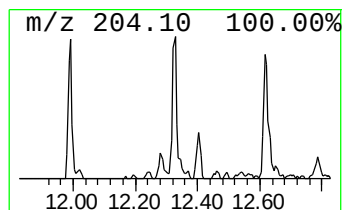
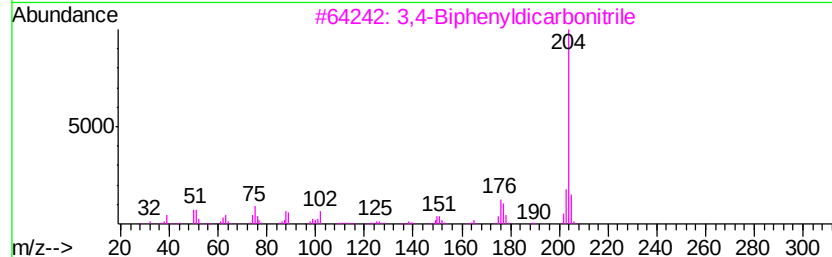
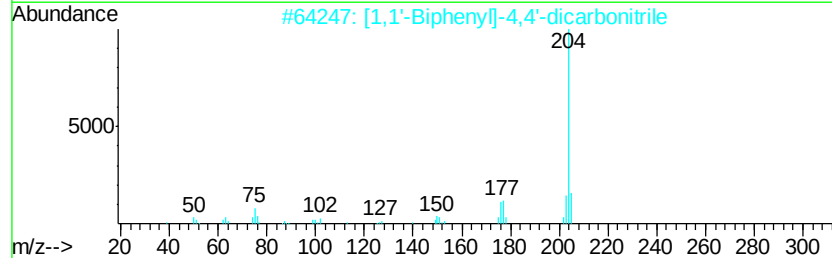
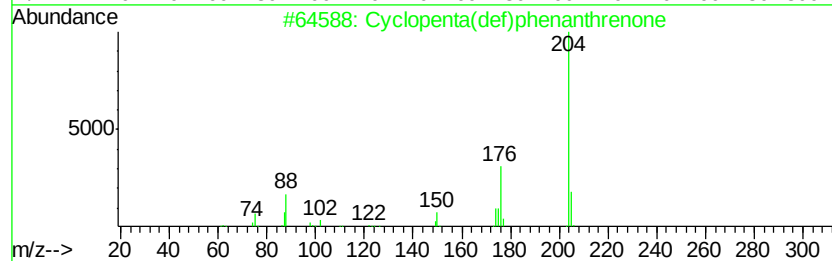
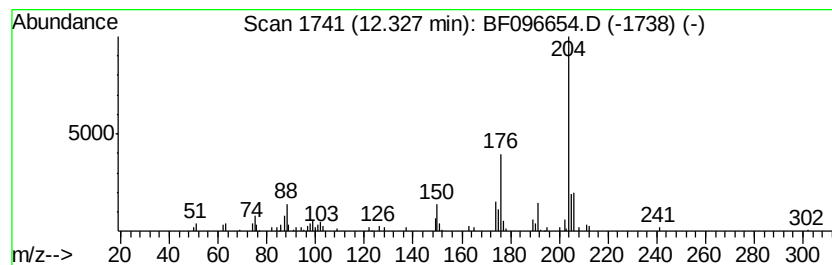
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.63 ng	73718	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
4		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096654.D
Acq On : 11 Jul 2017 19:50
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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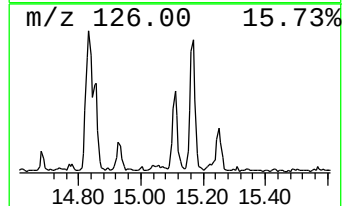
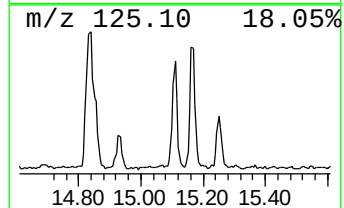
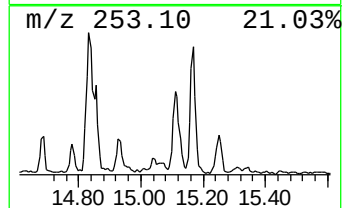
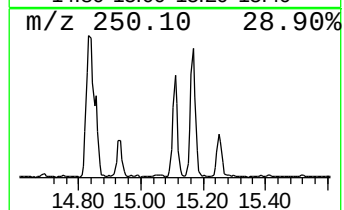
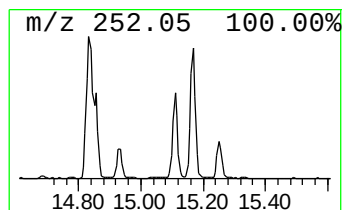
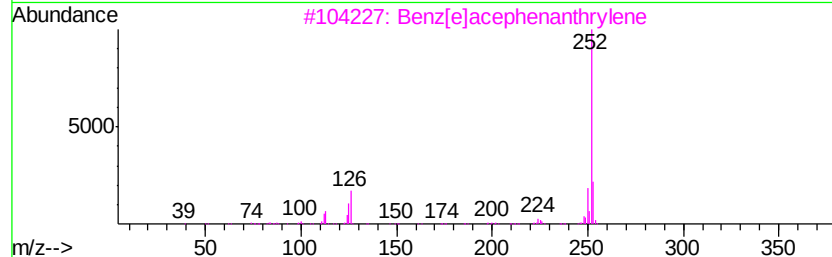
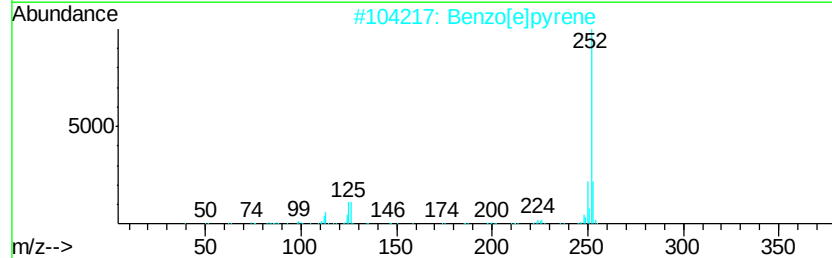
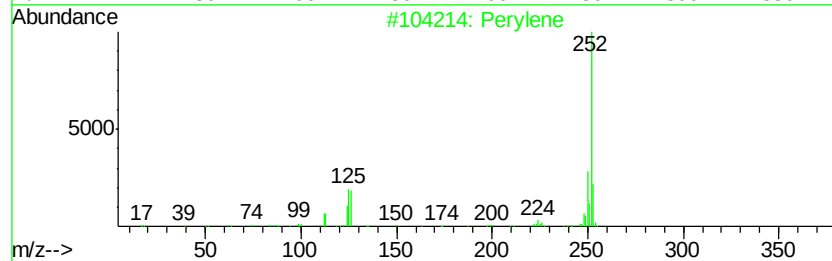
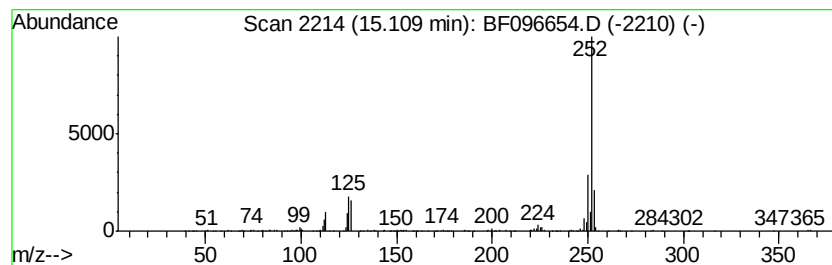
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	11.26 ng	362751	Perylene-d12	15.23

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		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096654.D
Acq On : 11 Jul 2017 19:50
Operator : SJ/JU
Sample : I4069-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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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...	4.87	23.5	ng	776713	1	6.69	660993	20.0
unknown6.46	6.46	58.9	ng	1945920	1	6.69	660993	20.0
Tridecane	10.63	2.6	ng	73057	4	11.19	560220	20.0
Phenanthrene, 2-m...	11.69	2.6	ng	73220	4	11.19	560220	20.0
Anthracene, 2-met...	11.72	3.8	ng	105861	4	11.19	560220	20.0
Benzaldehyde, 3,5...	11.80	4.8	ng	134964	4	11.19	560220	20.0
Phenanthrene, 2,5...	12.24	2.1	ng	59765	4	11.19	560220	20.0
Cyclopenta(def)ph...	12.33	2.6	ng	73718	4	11.19	560220	20.0
Perylene	15.11	11.3	ng	362751	6	15.23	644218	20.0