

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071017\
 Data File : BF096623.D
 Acq On : 11 Jul 2017 1:29
 Operator : SJ/JU
 Sample : I4108-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-070617-C

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	469	473	485	rBV	375122	496502	10.27%	0.645%
2	5.298	541	546	549	rBV	2493844	2441583	50.50%	3.170%
3	6.328	712	721	724	rBV	2515896	2564816	53.04%	3.330%
4	6.457	738	743	746	rBV	2698926	2504144	51.79%	3.251%
5	6.687	778	782	785	rBV	856689	728572	15.07%	0.946%
6	6.845	804	809	812	rBV	1933656	1905042	39.40%	2.473%
7	7.245	872	877	880	rBV	1694565	1573096	32.53%	2.042%
8	7.969	995	1000	1001	rBV	1004524	971078	20.08%	1.261%
9	7.987	1001	1003	1006	rVB	783491	596700	12.34%	0.775%
10	8.681	1116	1121	1124	rBV	335963	304073	6.29%	0.395%
11	8.775	1132	1137	1141	rVB	269541	228020	4.72%	0.296%
12	9.045	1178	1183	1186	rBV	2501136	2274180	47.03%	2.952%
13	9.139	1190	1199	1202	rBV	131600	144500	2.99%	0.188%
14	9.304	1221	1227	1231	rBV2	102657	147883	3.06%	0.192%
15	9.375	1235	1239	1242	rVV	148196	170160	3.52%	0.221%
16	9.433	1246	1249	1252	rVV	423285	392395	8.12%	0.509%
17	9.492	1255	1259	1264	rVV	80175	93137	1.93%	0.121%
18	9.575	1269	1273	1278	rVV	208845	183215	3.79%	0.238%
19	9.716	1291	1297	1300	rVV2	918043	933780	19.31%	1.212%
20	9.751	1300	1303	1306	rVV	1108787	1005424	20.79%	1.305%
21	9.875	1321	1324	1328	rVV	89487	93642	1.94%	0.122%
22	9.922	1328	1332	1335	rVV	580931	501588	10.37%	0.651%
23	10.263	1386	1390	1393	rVV	988384	812199	16.80%	1.054%
24	10.422	1414	1417	1422	rVB	175990	161758	3.35%	0.210%
25	10.504	1422	1431	1434	rBV2	1145159	1229482	25.43%	1.596%
26	10.622	1447	1451	1459	rVB4	86248	154781	3.20%	0.201%
27	10.810	1476	1483	1485	rBV4	123269	203630	4.21%	0.264%
28	10.998	1512	1515	1520	rVB	282200	276573	5.72%	0.359%
29	11.057	1520	1525	1527	rBV2	110237	148029	3.06%	0.192%
30	11.092	1527	1531	1534	rBV	333283	317040	6.56%	0.412%
31	11.198	1544	1549	1550	rBV	646428	654551	13.54%	0.850%
32	11.227	1550	1554	1557	rVV	3443644	3916931	81.01%	5.085%
33	11.275	1557	1562	1564	rVV	1378819	1252049	25.89%	1.625%
34	11.304	1564	1567	1571	rVB	158300	150183	3.11%	0.195%

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35	11.422	1581	1587	1590	rBV2	777048	833364	17.24%	1.082%
36	11.492	1595	1599	1602	rVV4	95606	117197	2.42%	0.152%
37	11.527	1602	1605	1608	rVB3	106111	109134	2.26%	0.142%
38	11.698	1628	1634	1636	rBV	526192	499779	10.34%	0.649%
39	11.727	1636	1639	1643	rVB	731481	697839	14.43%	0.906%
40	11.774	1643	1647	1649	rBV	269720	263444	5.45%	0.342%
41	11.810	1649	1653	1655	rBV	943198	941783	19.48%	1.223%
42	11.827	1655	1656	1660	rVB	321911	228945	4.73%	0.297%
43	11.992	1681	1684	1686	rVV	387509	359028	7.43%	0.466%
44	12.016	1686	1688	1691	rVB	535785	407864	8.44%	0.530%
45	12.139	1705	1709	1712	rBV2	112856	131402	2.72%	0.171%
46	12.245	1723	1727	1731	rBV2	203296	284110	5.88%	0.369%
47	12.280	1731	1733	1736	rVV	119187	140944	2.91%	0.183%
48	12.333	1739	1742	1749	rBV	215521	262473	5.43%	0.341%
49	12.422	1750	1757	1760	rBV	3452542	4606411	95.27%	5.980%
50	12.463	1760	1764	1768	rBV2	121423	178480	3.69%	0.232%
51	12.551	1772	1779	1782	rBV2	266829	347474	7.19%	0.451%
52	12.645	1788	1795	1798	rBV3	3205985	4835293	100.00%	6.277%
53	12.680	1798	1801	1809	rVB	261092	284643	5.89%	0.370%
54	12.751	1810	1813	1815	rBV	343960	347055	7.18%	0.451%
55	12.780	1815	1818	1824	rVB2	1702571	1802264	37.27%	2.340%
56	12.857	1824	1831	1833	rBV3	329909	580738	12.01%	0.754%
57	12.880	1833	1835	1838	rVB	246235	185610	3.84%	0.241%
58	12.939	1838	1845	1846	rBV4	311325	432728	8.95%	0.562%
59	12.963	1846	1849	1852	rVB	921588	860281	17.79%	1.117%
60	12.998	1852	1855	1857	rBV3	80509	96283	1.99%	0.125%
61	13.027	1857	1860	1863	rBV	628957	555038	11.48%	0.721%
62	13.063	1863	1866	1869	rBV	459037	499659	10.33%	0.649%
63	13.086	1869	1870	1874	rVB	242874	205691	4.25%	0.267%
64	13.157	1879	1882	1884	rVB	182896	136552	2.82%	0.177%
65	13.186	1884	1887	1891	rBV2	223593	229970	4.76%	0.299%
66	13.263	1897	1900	1904	rBV4	93469	113574	2.35%	0.147%
67	13.345	1910	1914	1916	rBV2	141203	206611	4.27%	0.268%
68	13.445	1928	1931	1932	rBV2	105925	115934	2.40%	0.151%
69	13.469	1932	1935	1939	rVB	387540	440126	9.10%	0.571%
70	13.574	1950	1953	1956	rBV	579059	648961	13.42%	0.843%
71	13.604	1956	1958	1960	rVV	454505	456372	9.44%	0.592%

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72	13.627	1960	1962	1967	rVV2	376546	632601	13.08%	0.821%
73	13.674	1967	1970	1977	rVB	553845	688989	14.25%	0.894%
74	13.745	1979	1982	1986	rVB	148940	158042	3.27%	0.205%
75	13.827	1989	1996	1999	rBV2	2422343	3944179	81.57%	5.120%
76	13.868	1999	2003	2007	rVB	2132529	2653678	54.88%	3.445%
77	13.939	2010	2015	2018	rBV	590346	603014	12.47%	0.783%
78	14.016	2025	2028	2030	rVV	309122	251816	5.21%	0.327%
79	14.051	2030	2034	2038	rVV2	361957	435542	9.01%	0.565%
80	14.086	2038	2040	2043	rVB3	117551	96148	1.99%	0.125%
81	14.180	2048	2056	2058	rBV2	164263	351398	7.27%	0.456%
82	14.216	2058	2062	2065	rVV	518299	548225	11.34%	0.712%
83	14.251	2065	2068	2071	rVV3	301807	306966	6.35%	0.399%
84	14.310	2075	2078	2081	rVV4	313075	459419	9.50%	0.596%
85	14.339	2081	2083	2085	rVV	356734	344030	7.11%	0.447%
86	14.357	2085	2086	2090	rVB3	321158	266273	5.51%	0.346%
87	14.515	2110	2113	2116	rBV2	247432	275531	5.70%	0.358%
88	14.686	2139	2142	2149	rVB2	181579	289605	5.99%	0.376%
89	14.751	2150	2153	2157	rBV5	95220	157970	3.27%	0.205%
90	14.851	2163	2170	2173	rBV	1728667	3416281	70.65%	4.435%
91	14.939	2182	2185	2190	rVB	529578	588969	12.18%	0.765%
92	15.127	2212	2217	2222	rVB	1027838	1499255	31.01%	1.946%
93	15.186	2222	2227	2231	rVB	1558829	2036231	42.11%	2.644%
94	15.233	2231	2235	2238	rBV	449635	615789	12.74%	0.799%
95	15.262	2238	2240	2247	rVB2	574064	755487	15.62%	0.981%
96	15.680	2307	2311	2314	rBV2	101114	160424	3.32%	0.208%
97	16.586	2458	2465	2472	rVB2	651260	1279616	26.46%	1.661%
98	16.739	2487	2491	2494	rBV	110582	162625	3.36%	0.211%
99	16.986	2527	2533	2541	rVB	447769	921270	19.05%	1.196%
100	17.186	2564	2567	2574	rVB2	98569	154536	3.20%	0.201%

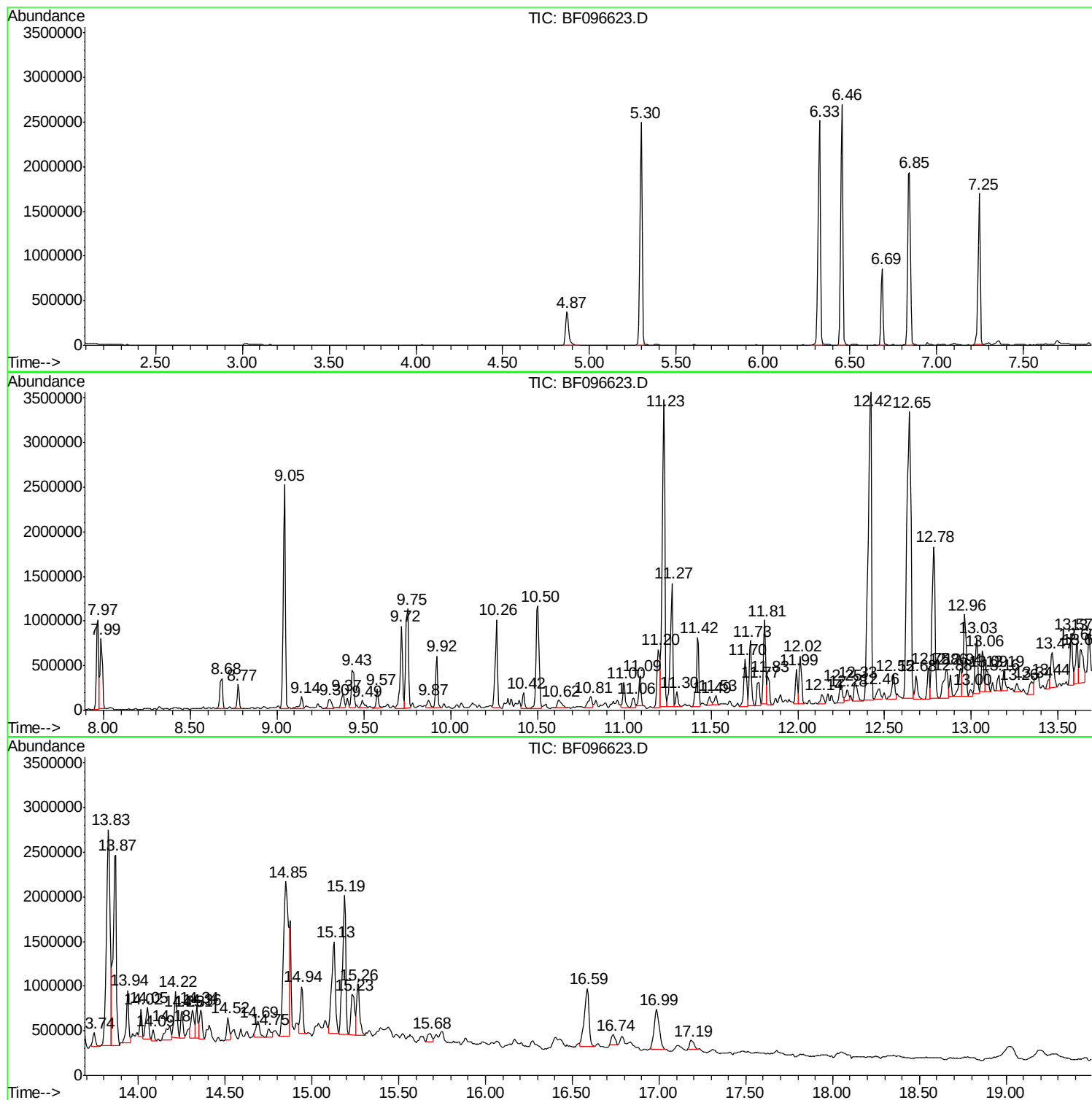
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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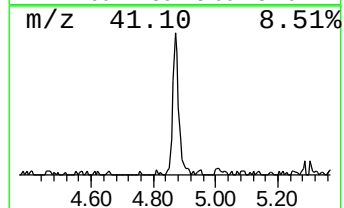
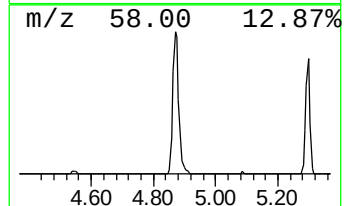
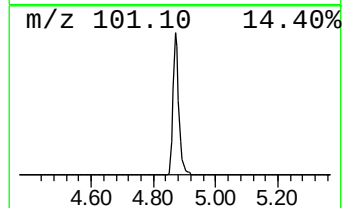
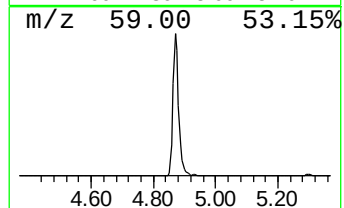
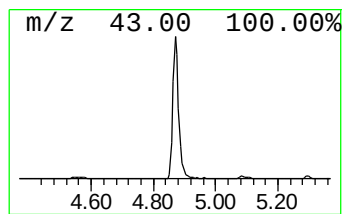
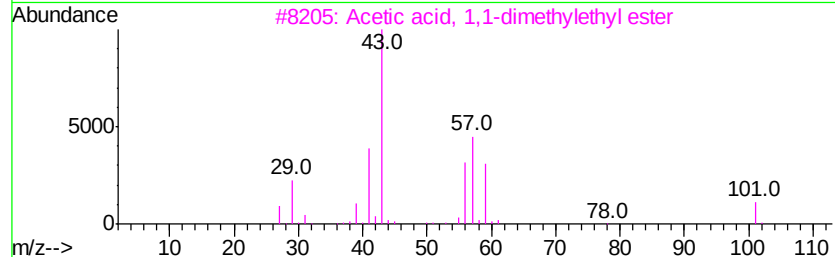
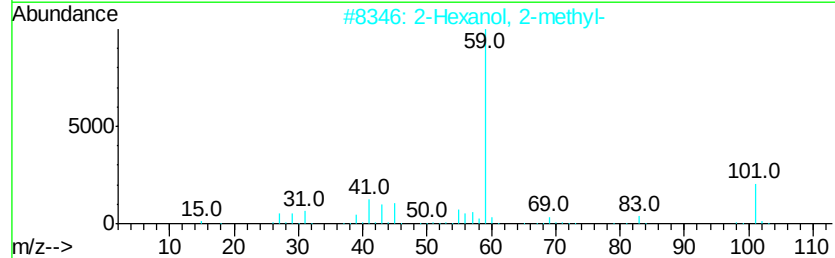
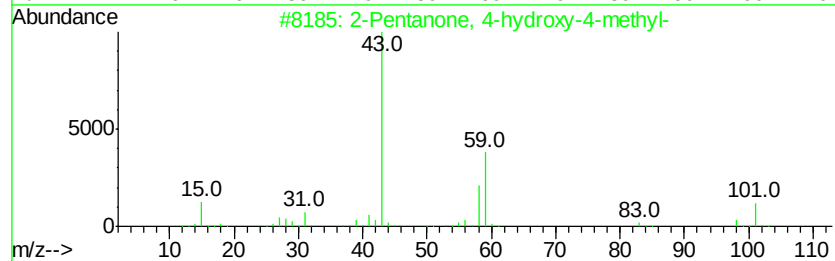
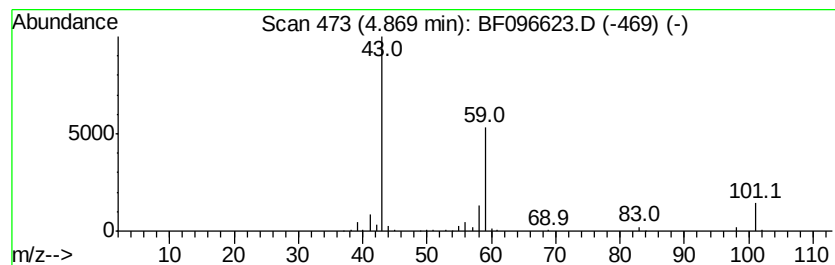
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	13.63 ng	496502	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	59
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



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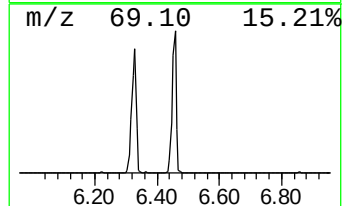
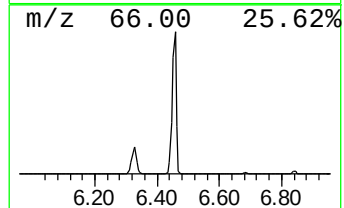
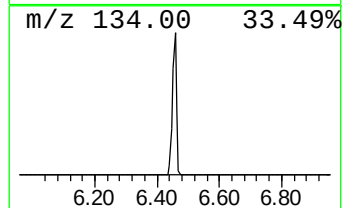
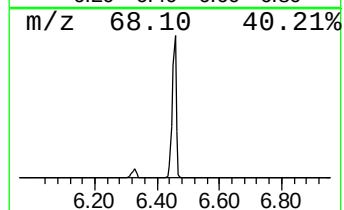
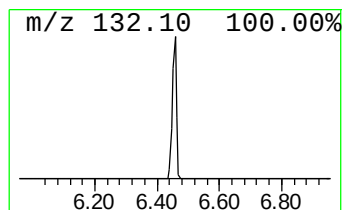
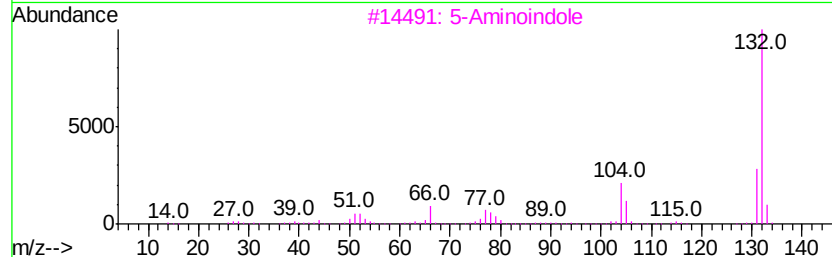
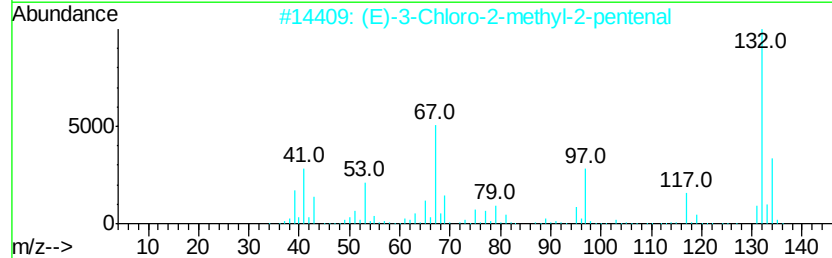
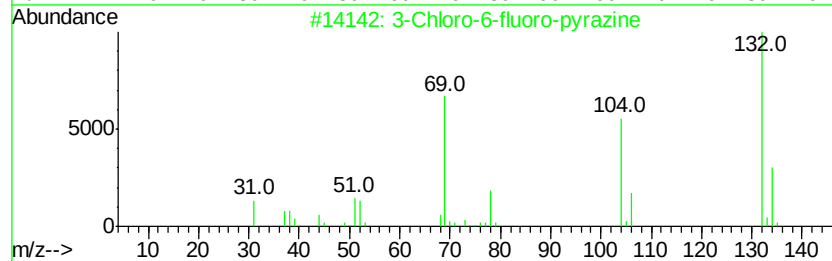
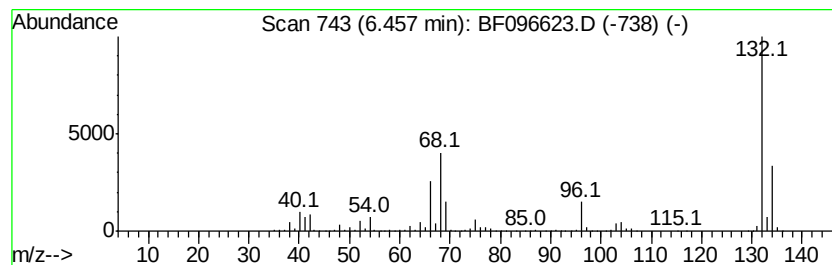
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	68.74 ng	2504140	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	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		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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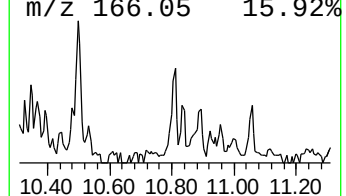
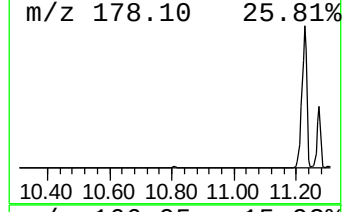
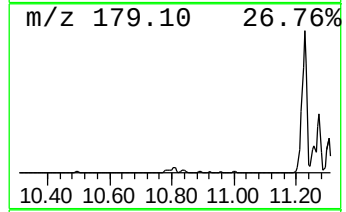
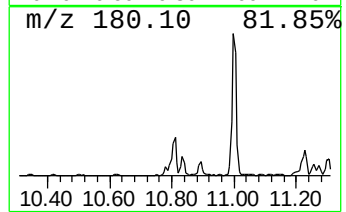
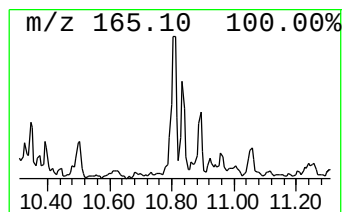
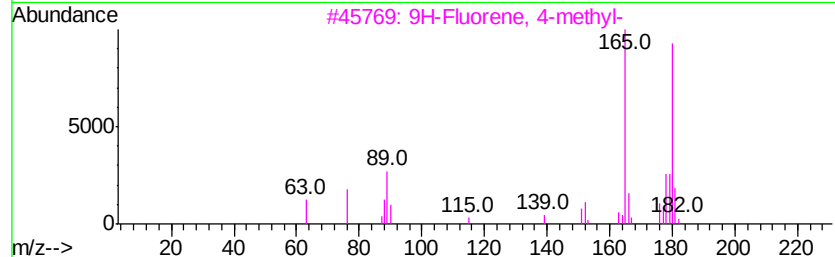
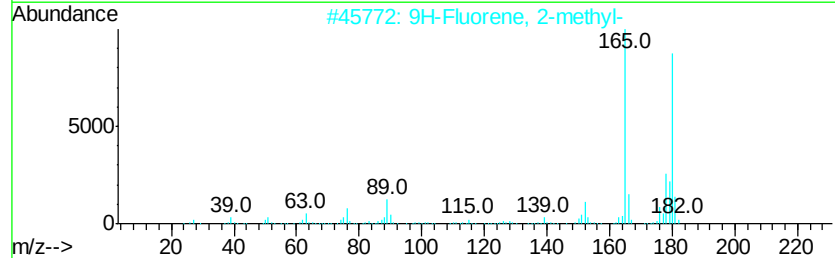
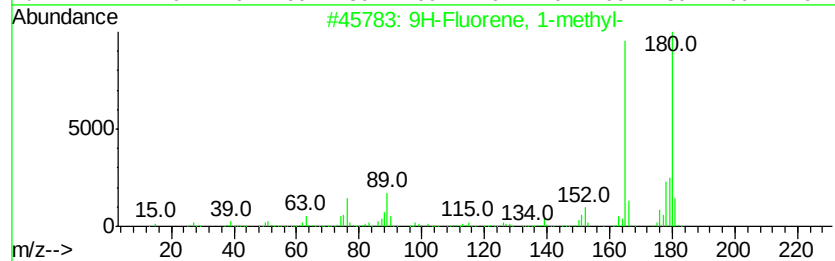
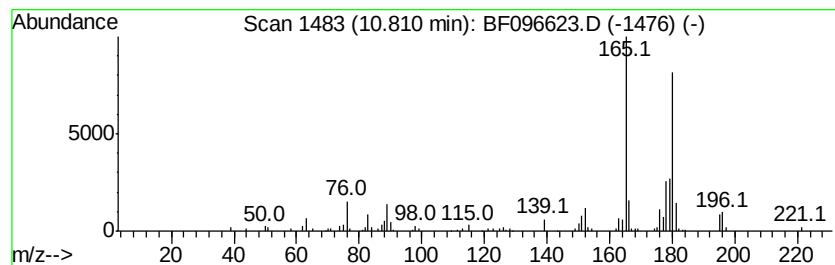
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	6.22 ng	203630	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89



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Data File : BF096623.D
Acq On : 11 Jul 2017 1:29
Operator : SJ/JU
Sample : I4108-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

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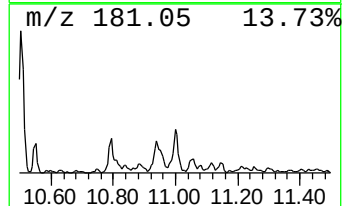
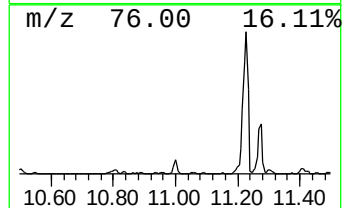
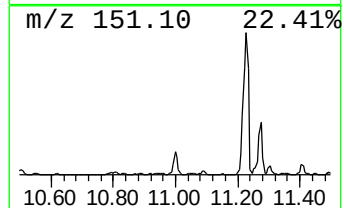
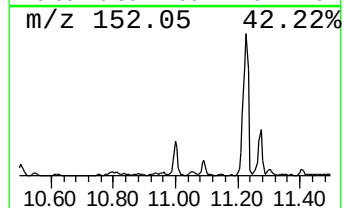
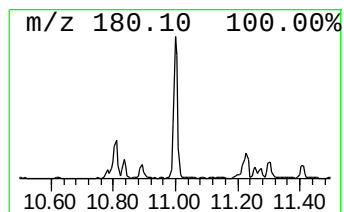
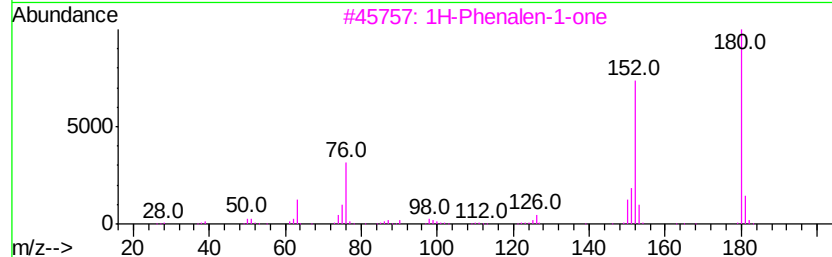
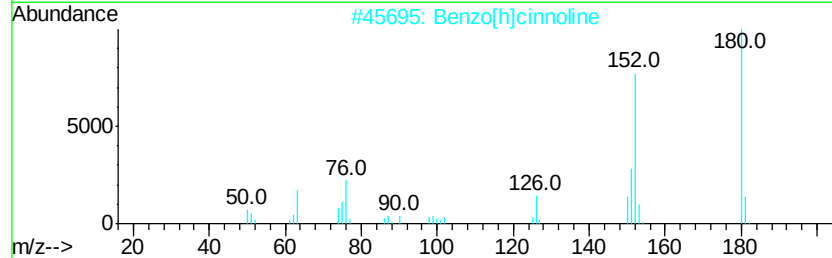
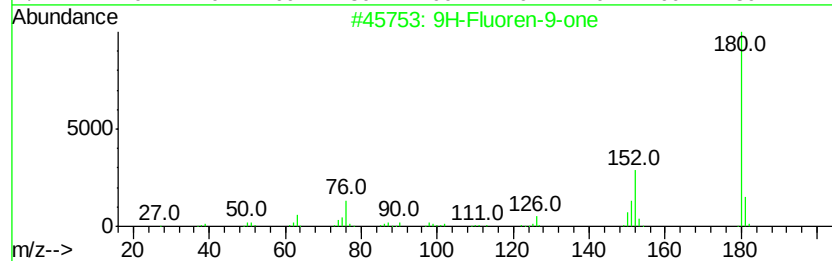
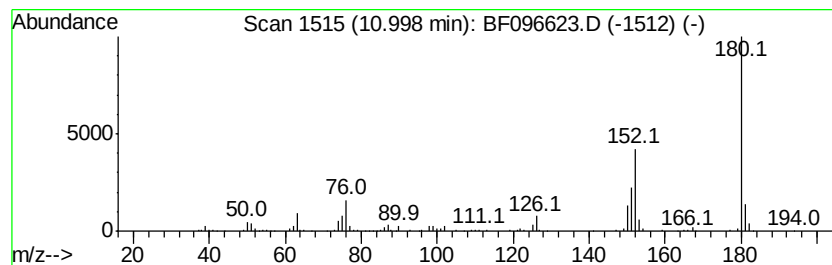
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	8.45 ng	276573	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4		6-Amino-4H-benzo[1,4]thiazin-3-one	180	C8H8N2OS	1000301-23-2	49
5		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45



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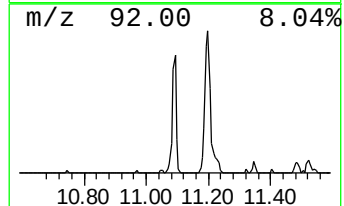
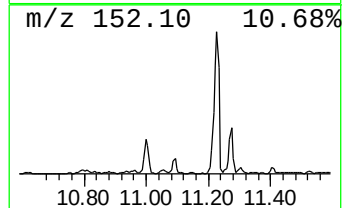
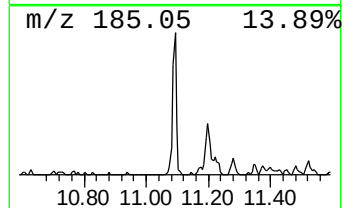
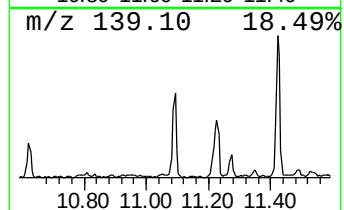
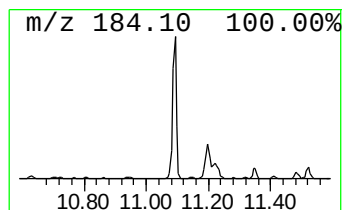
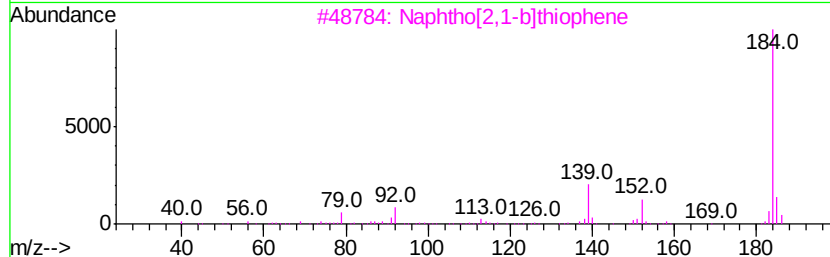
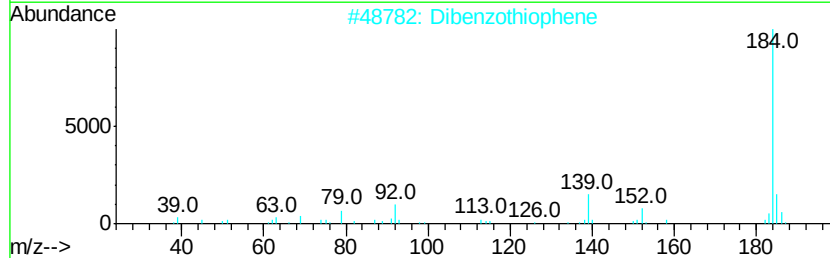
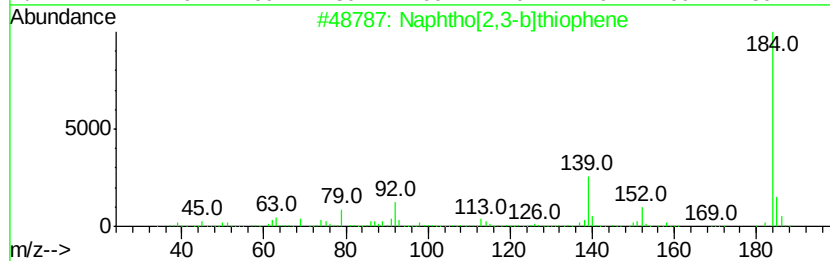
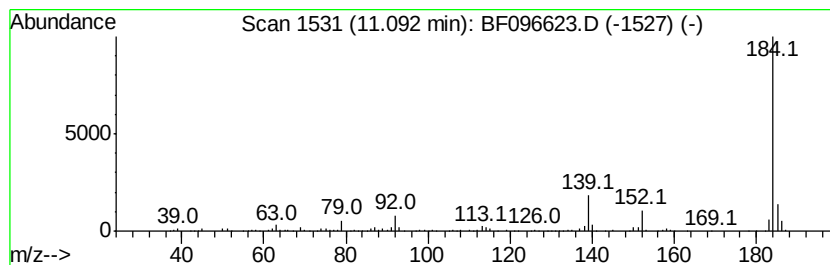
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	9.69 ng	317040	Phenanthrene-d10	11.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 96
2		Dibenzothiophene	184 C12H8S	000132-65-0 96
3		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 94
4		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 94
5		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
Data File : BF096623.D
Acq On : 11 Jul 2017 1:29
Operator : SJ/JU
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Instrument :
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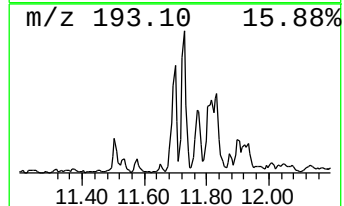
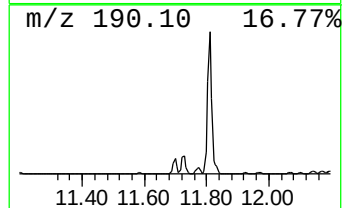
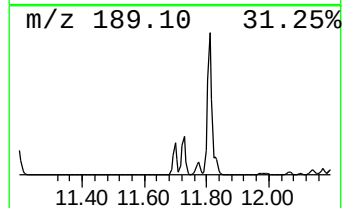
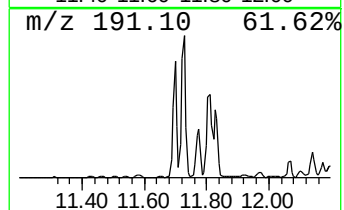
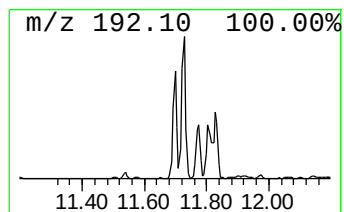
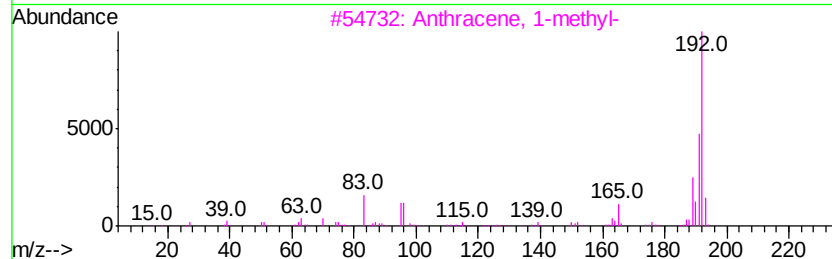
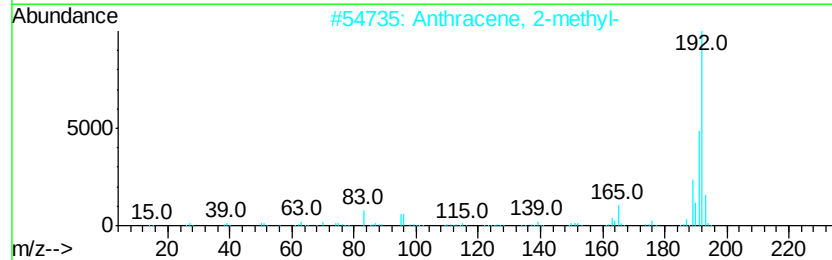
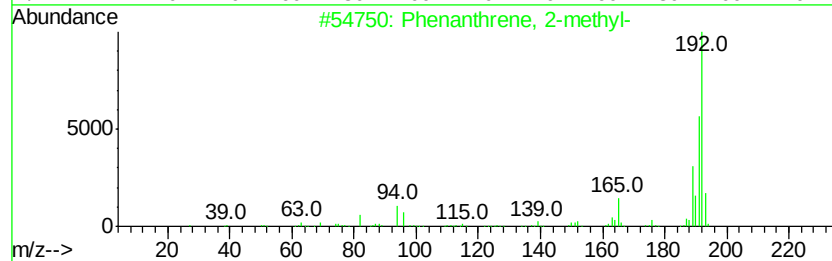
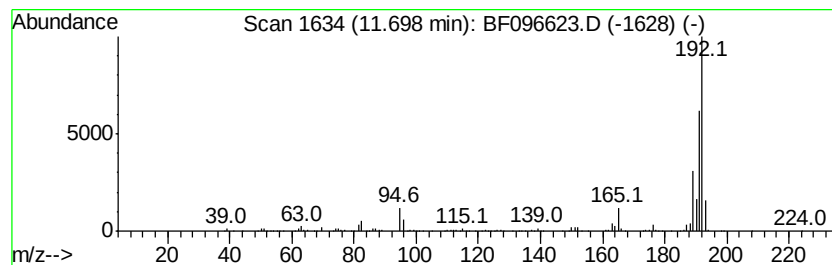
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	15.27 ng	499779	Phenanthrene-d10	11.20

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		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071017\
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Operator : SJ/JU
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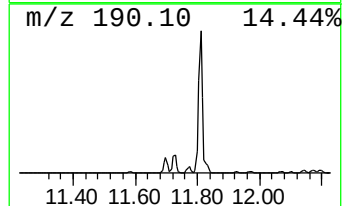
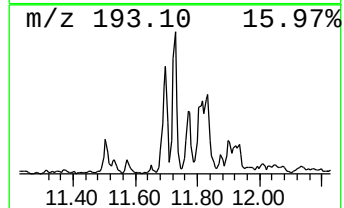
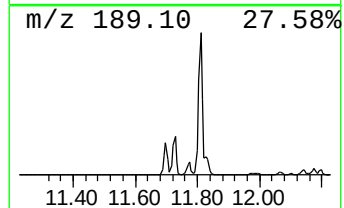
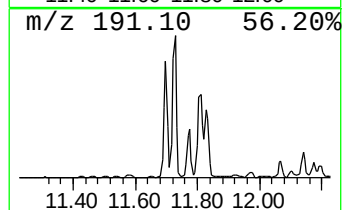
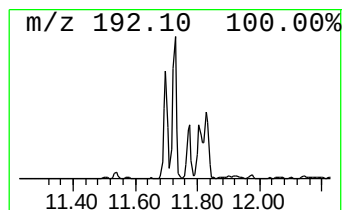
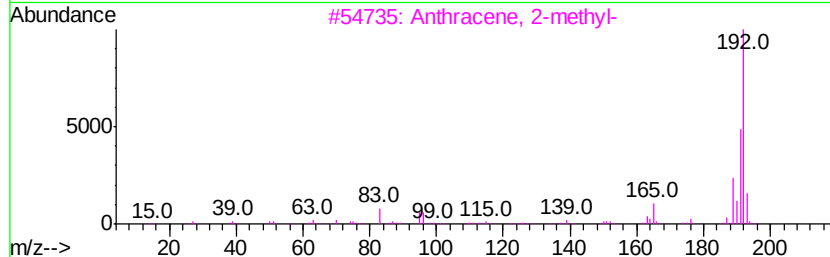
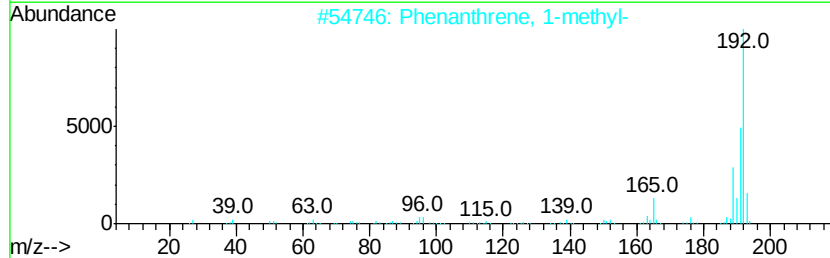
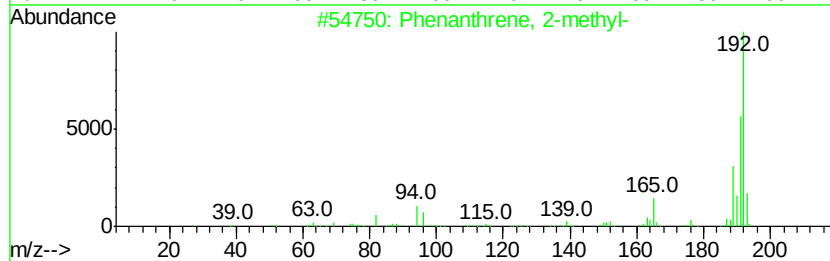
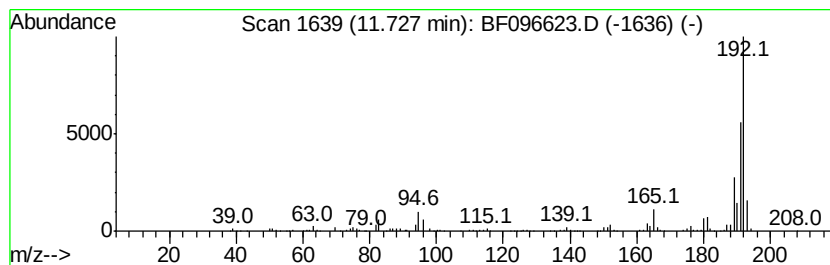
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	21.32 ng	697839	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071017\
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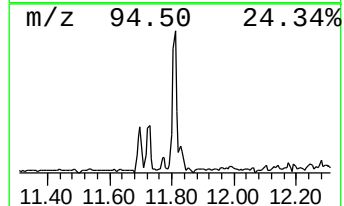
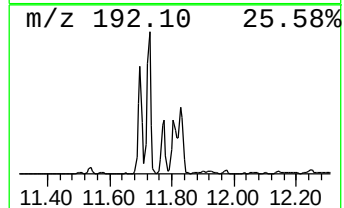
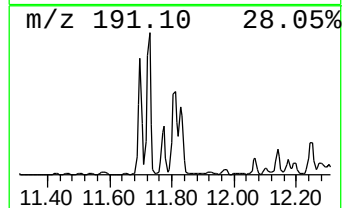
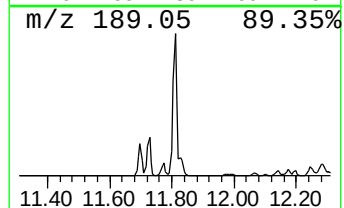
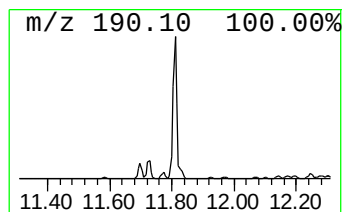
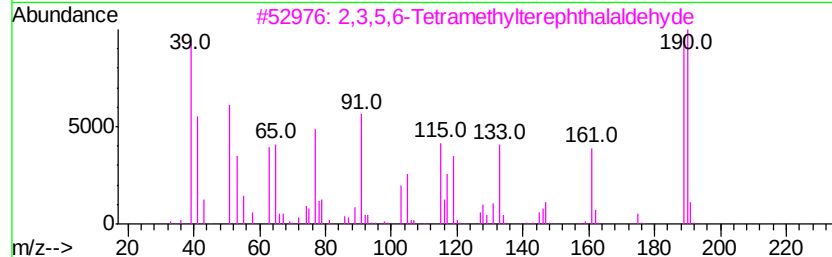
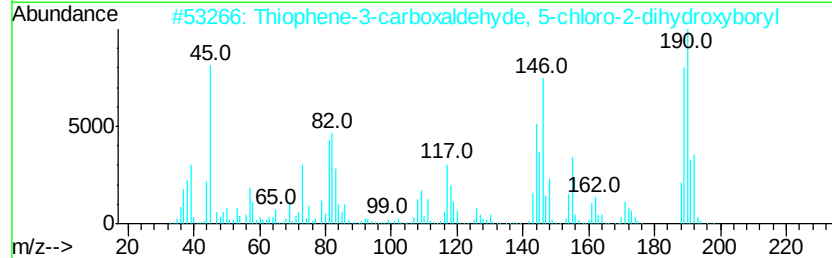
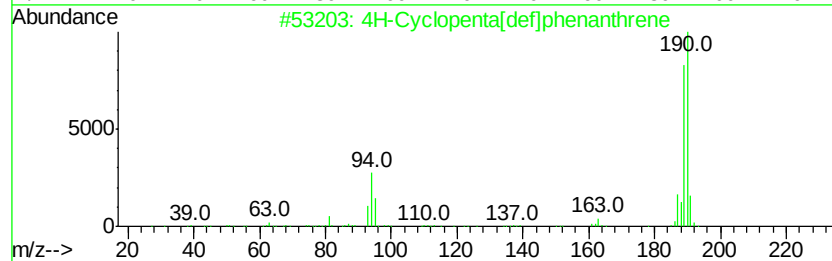
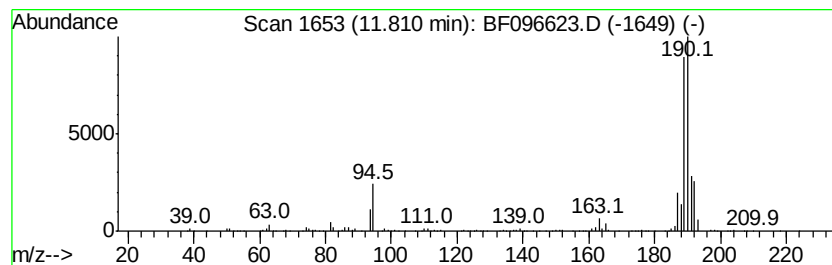
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	28.78 ng	941783	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071017\
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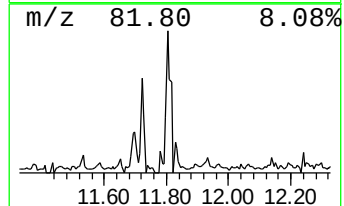
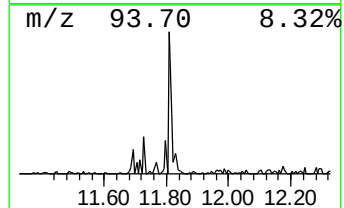
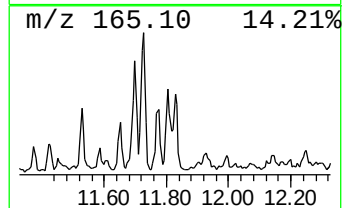
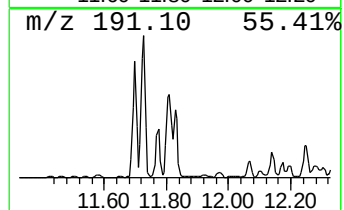
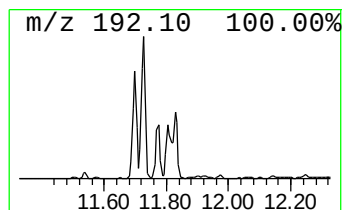
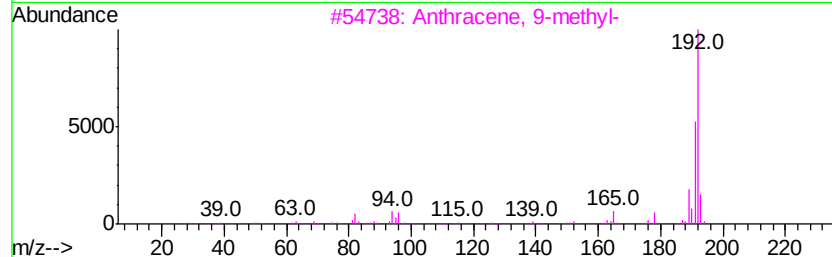
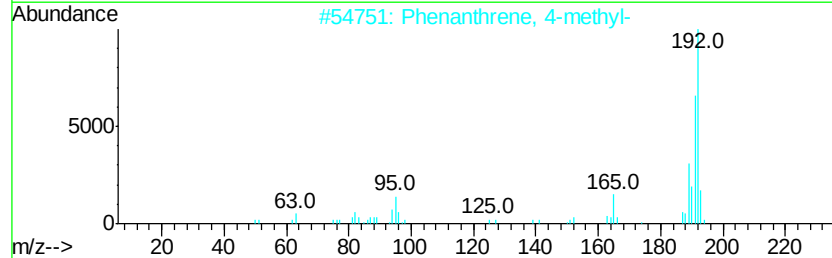
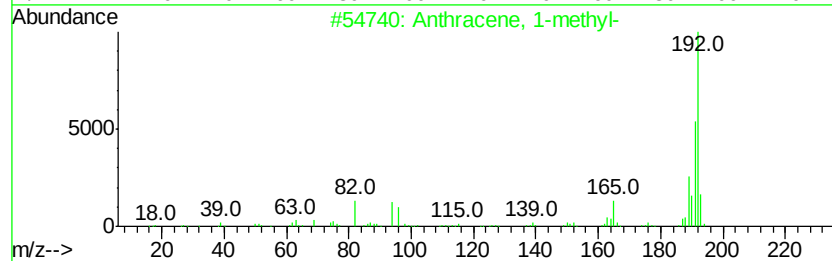
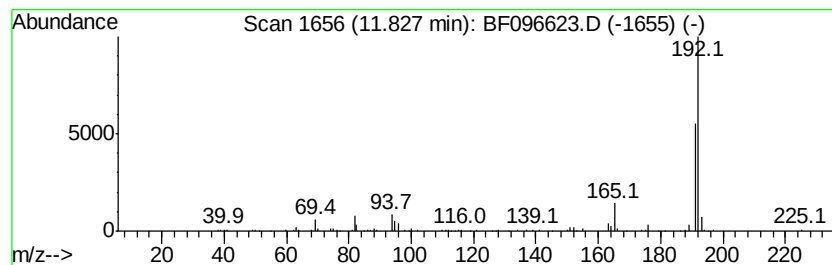
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	7.00 ng	228945	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
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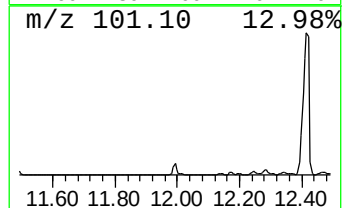
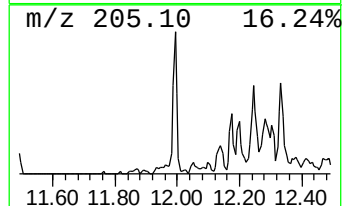
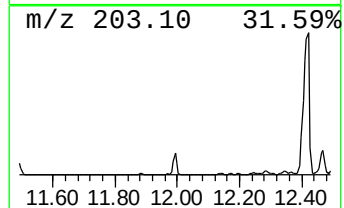
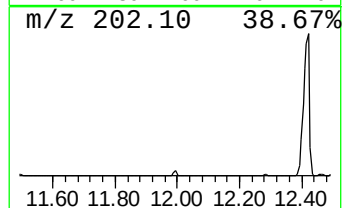
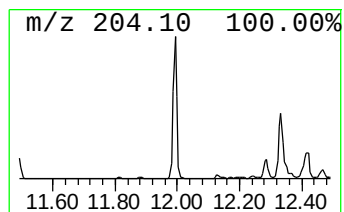
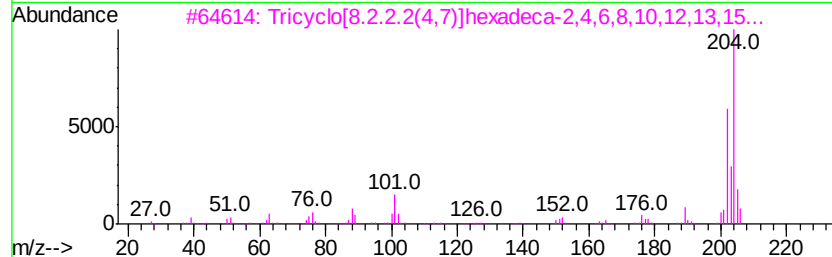
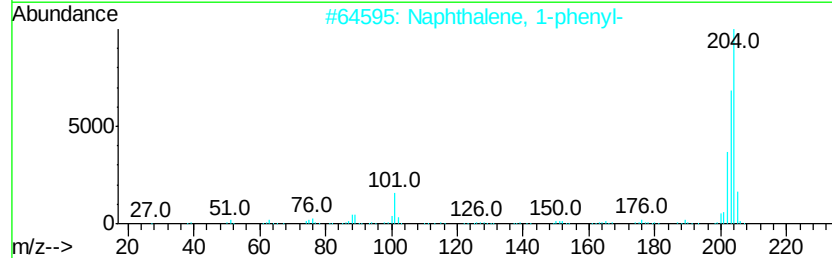
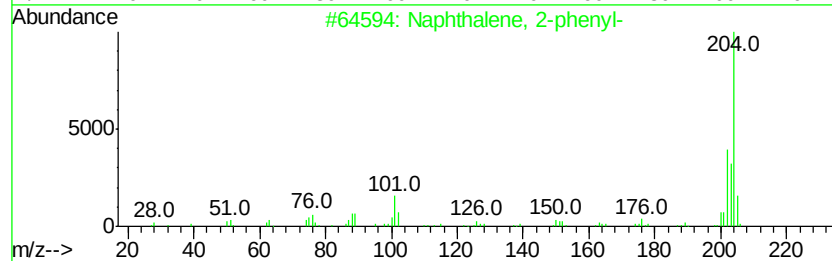
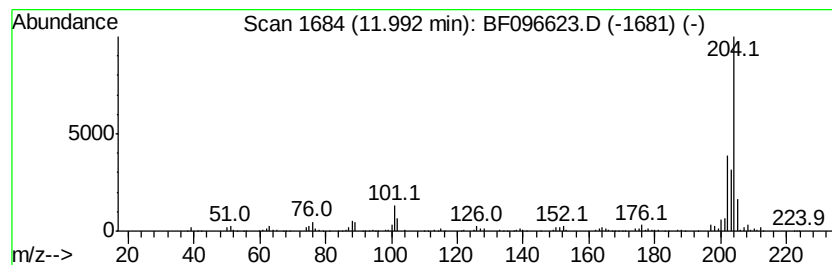
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	10.97 ng	359028	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071017\
Data File : BF096623.D
Acq On : 11 Jul 2017 1:29
Operator : SJ/JU
Sample : I4108-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-C

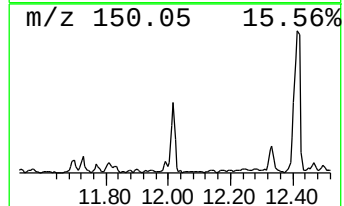
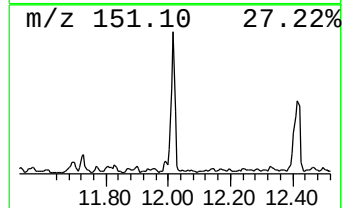
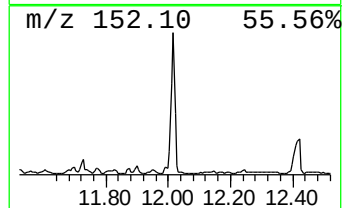
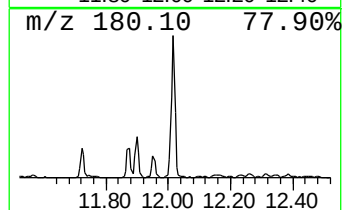
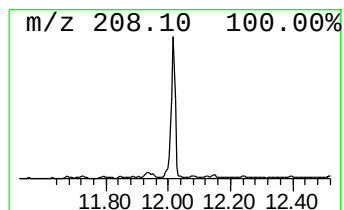
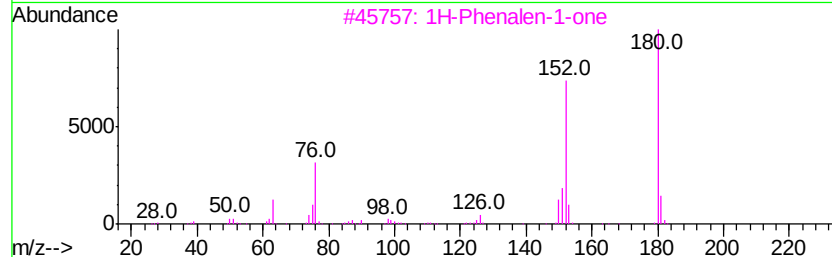
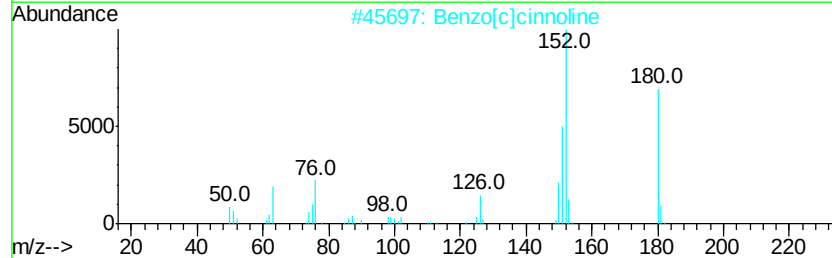
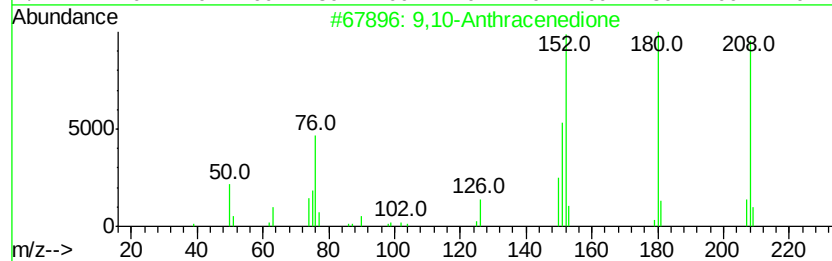
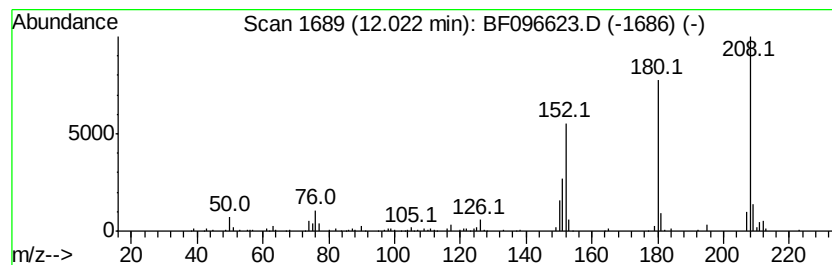
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	12.46 ng	407864	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
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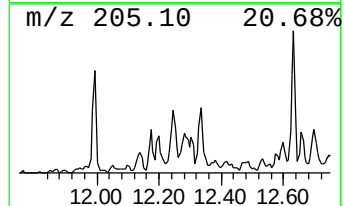
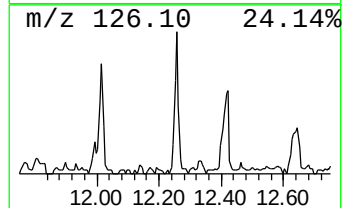
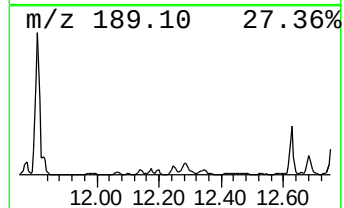
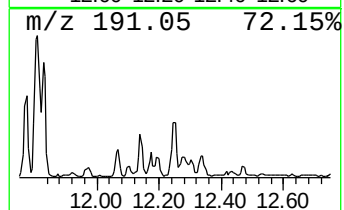
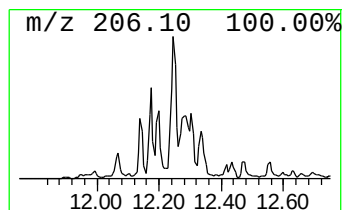
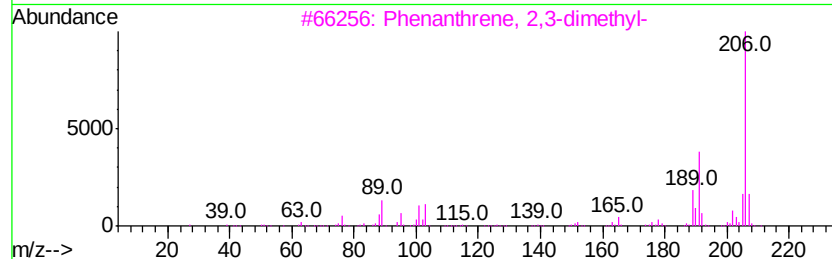
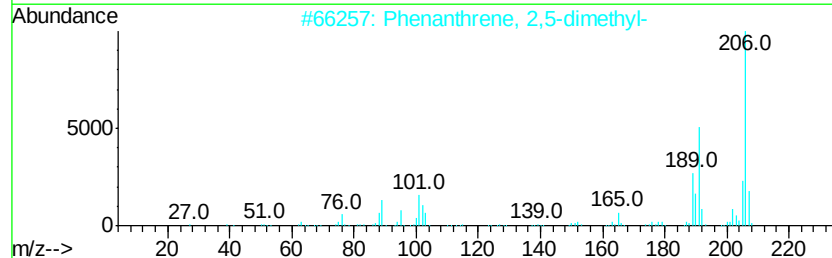
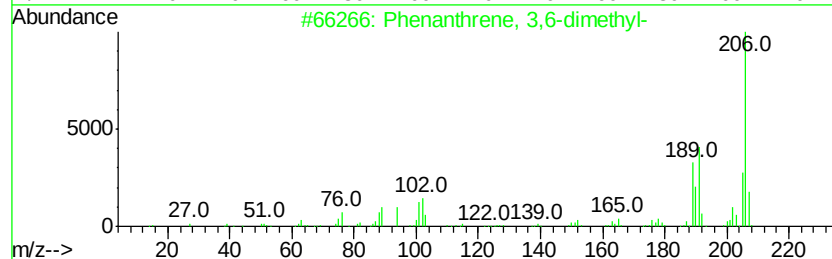
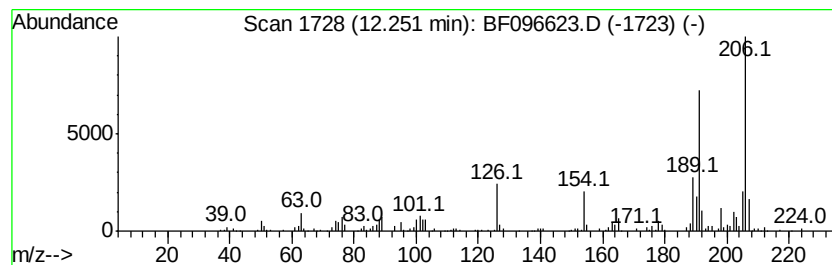
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	8.68 ng	284110	Phenanthrene-d10	11.20

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	91
4			1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87



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Acq On : 11 Jul 2017 1:29
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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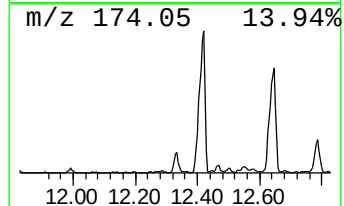
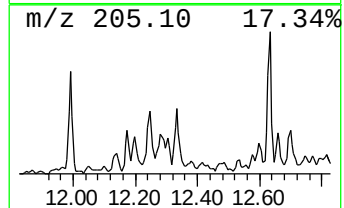
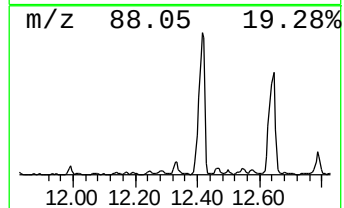
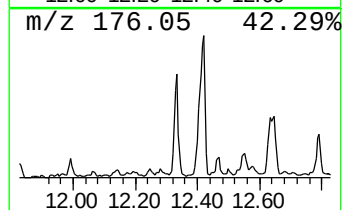
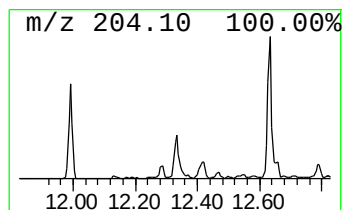
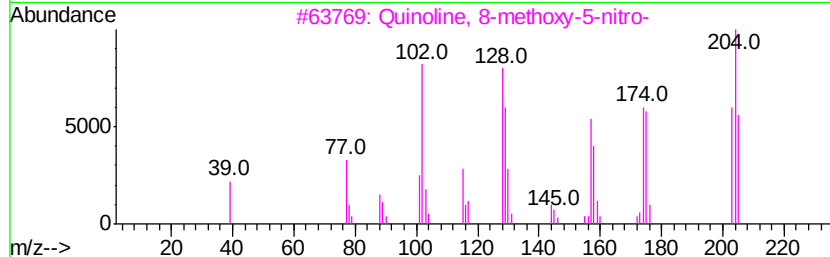
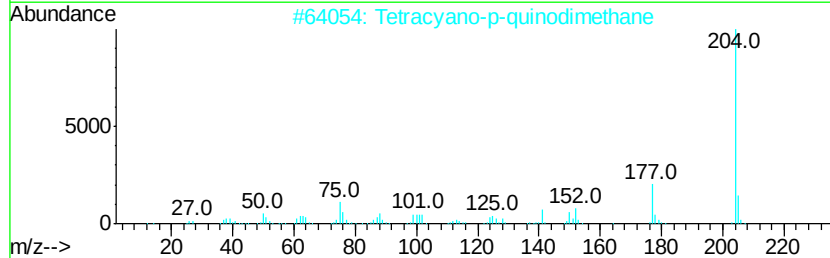
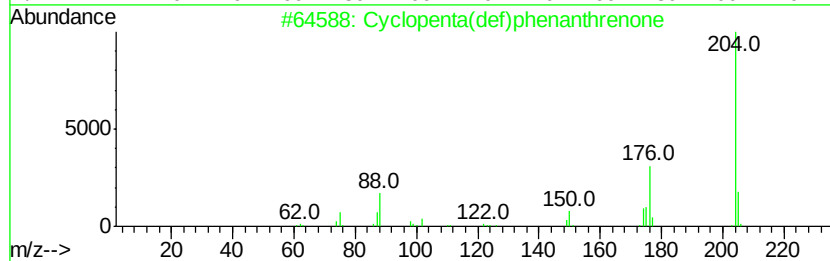
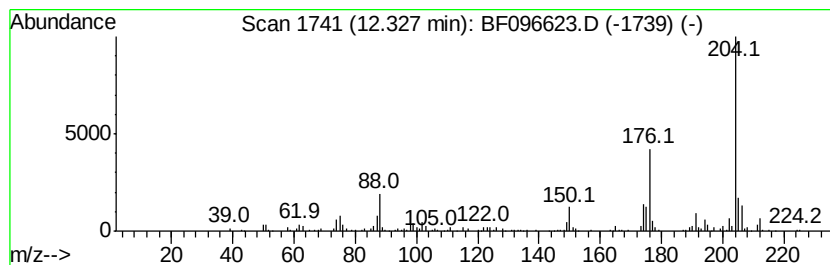
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	8.02 ng	262473	Phenanthrene-d10	11.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2			Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43
3			Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
4			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5			L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43



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Data File : BF096623.D
Acq On : 11 Jul 2017 1:29
Operator : SJ/JU
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Misc :
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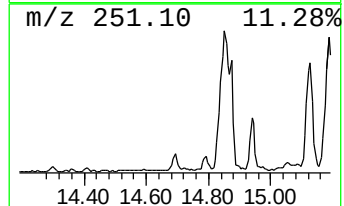
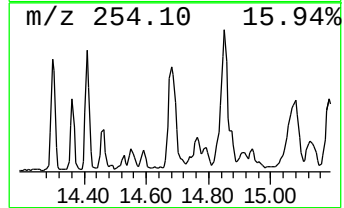
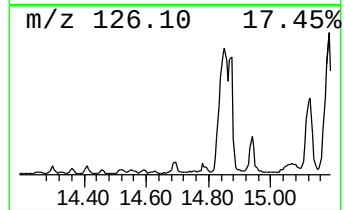
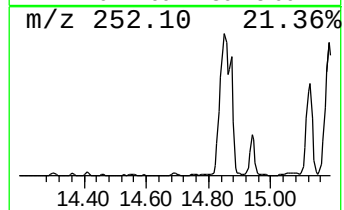
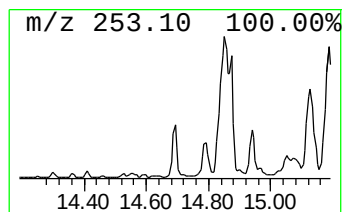
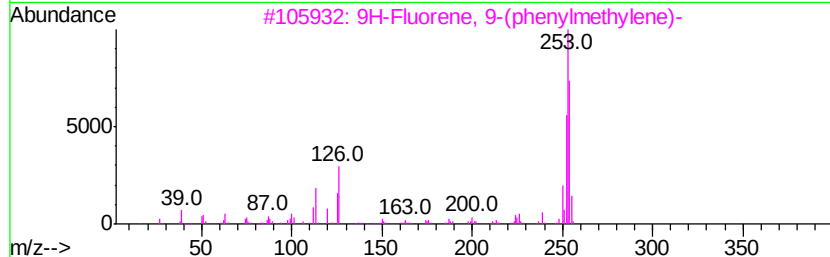
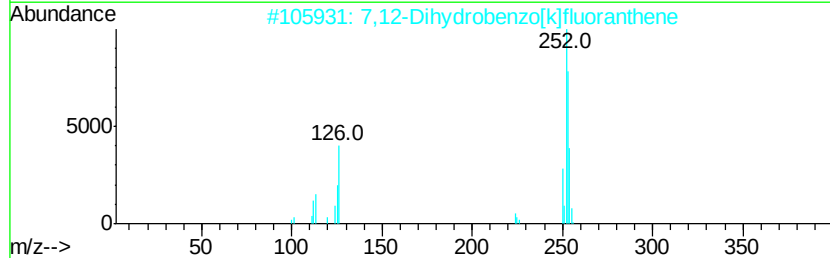
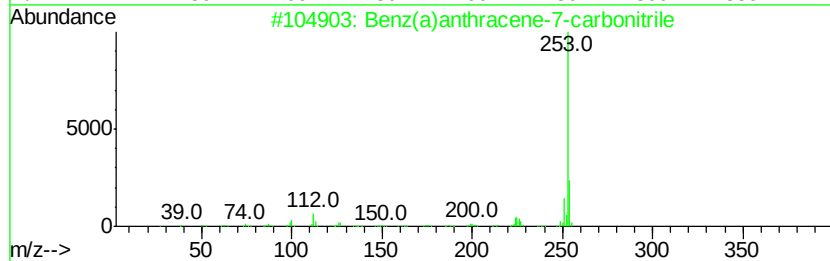
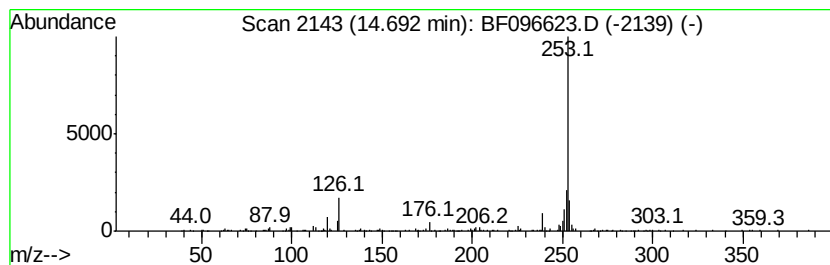
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	9.41 ng	289605	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
2		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	50
3		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	49
4		Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15N02	1000197-96-0	47
5		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071017\
Data File : BF096623.D
Acq On : 11 Jul 2017 1:29
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-01-070617-C

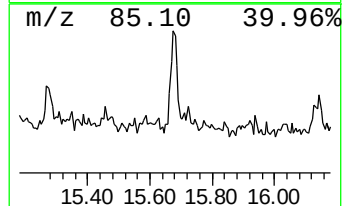
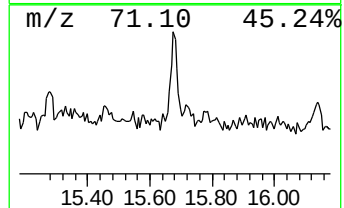
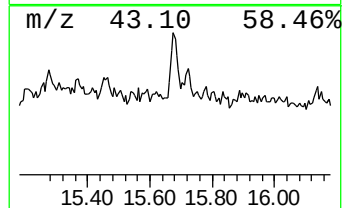
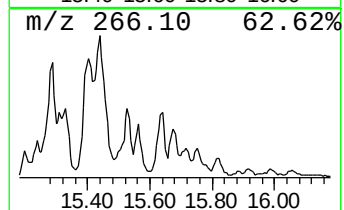
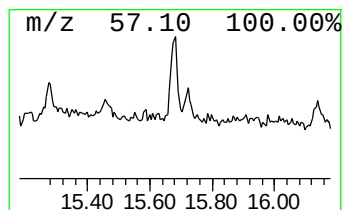
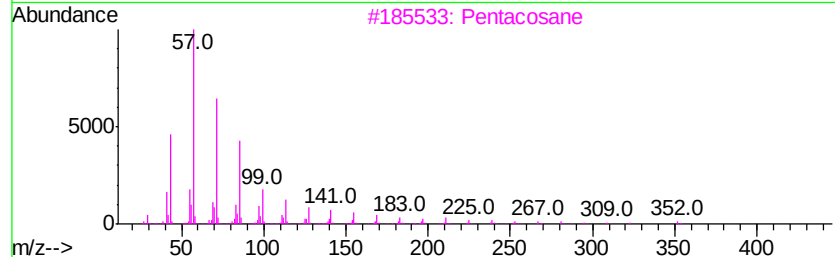
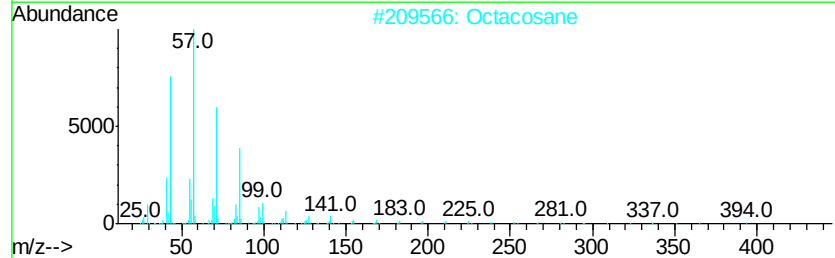
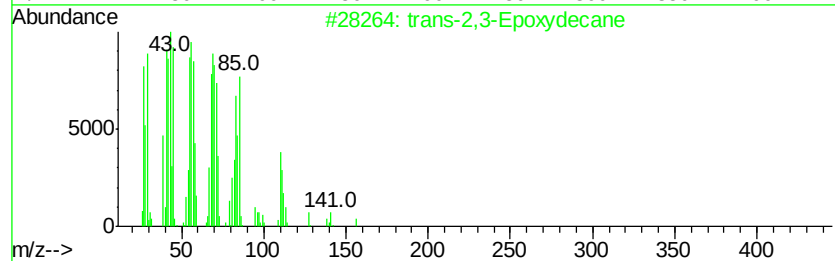
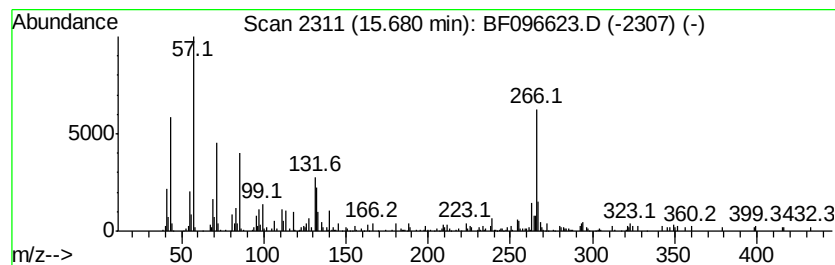
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 trans-2,3-Epoxydecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	5.21 ng	160424	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	83
2		Octacosane	394	C28H58	000630-02-4	41
3		Pentacosane	352	C25H52	000629-99-2	38
4		Tetracosane, 1-bromo-	416	C24H49Br	006946-24-3	38
5		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	38



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Misc :
ALS Vial : 21 Sample Multiplier: 1

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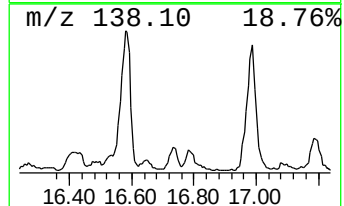
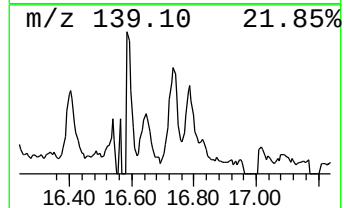
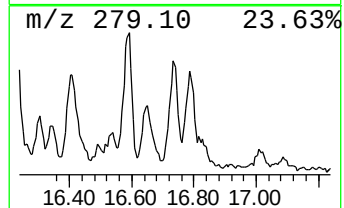
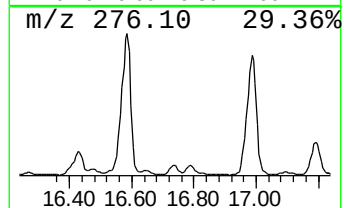
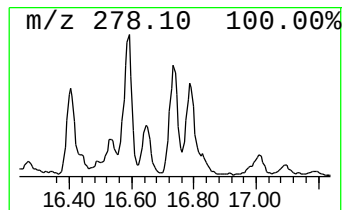
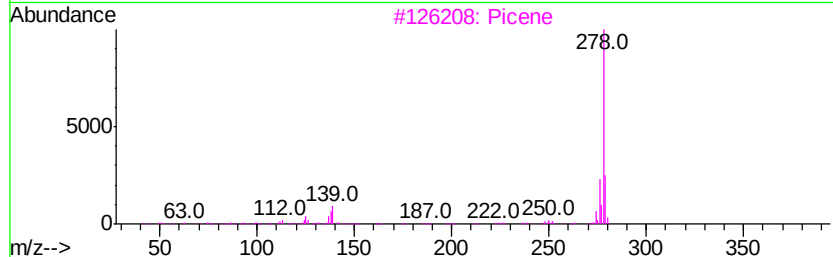
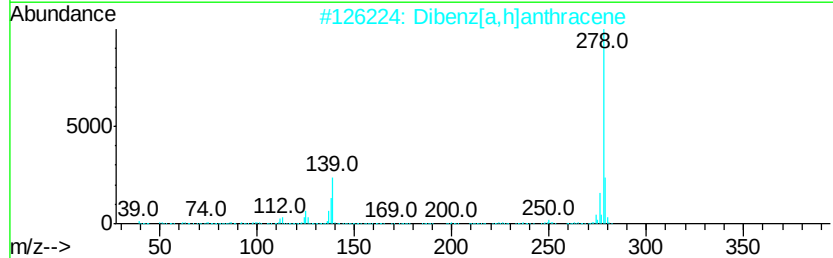
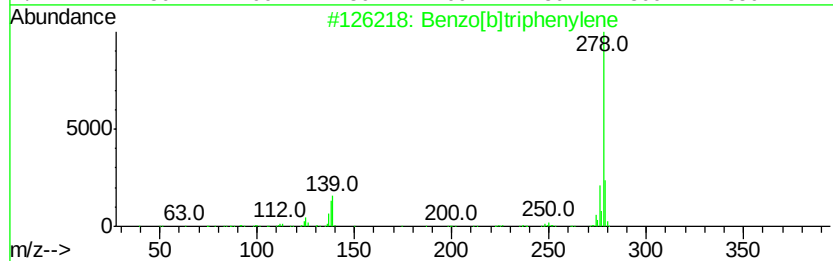
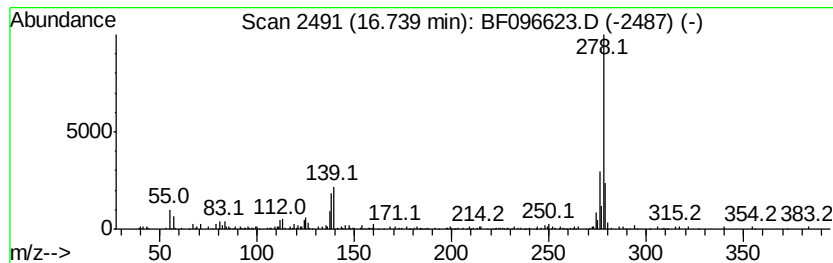
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	5.28 ng	162625	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3		Picene	278	C22H14	000213-46-7	95
4		Benzo[b]chrysene	278	C22H14	000214-17-5	94
5		Pentaphene	278	C22H14	000222-93-5	93



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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown6.46	6.46	68.7	ng	2504140	1	6.69	728572	20.0
9H-Fluorene, 1-me...	10.81	6.2	ng	203630	4	11.20	654551	20.0
9H-Fluoren-9-one	11.00	8.4	ng	276573	4	11.20	654551	20.0
Naphtho[2,3-b]thi...	11.09	9.7	ng	317040	4	11.20	654551	20.0
Phenanthrene, 2-m...	11.70	15.3	ng	499779	4	11.20	654551	20.0
Phenanthrene, 1-m...	11.73	21.3	ng	697839	4	11.20	654551	20.0
4H-Cyclopenta[def...	11.81	28.8	ng	941783	4	11.20	654551	20.0
Anthracene, 1-met...	11.83	7.0	ng	228945	4	11.20	654551	20.0
Naphthalene, 2-ph...	11.99	11.0	ng	359028	4	11.20	654551	20.0
9,10-Anthracenedione	12.02	12.5	ng	407864	4	11.20	654551	20.0
Phenanthrene, 3,6...	12.25	8.7	ng	284110	4	11.20	654551	20.0
Cyclopenta(def)ph...	12.33	8.0	ng	262473	4	11.20	654551	20.0
Benz(a)anthracene...	14.69	9.4	ng	289605	6	15.23	615789	20.0
trans-2,3-Epoxyde...	15.68	5.2	ng	160424	6	15.23	615789	20.0
Benzo[b]triphenylene	16.74	5.3	ng	162625	6	15.23	615789	20.0