

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111218\
 Data File : BF110695.D
 Acq On : 13 Nov 2018 00:44
 Operator : JU/SJ
 Sample : J5907-21 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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	2.222	20	23	29	rVB	20137	28307	2.07%	0.172%
2	5.557	587	590	601	rBV	259180	297378	21.70%	1.810%
3	6.563	758	761	777	rBV	298503	372355	27.17%	2.266%
4	6.710	783	786	793	rBV	412707	356111	25.99%	2.167%
5	6.945	822	826	838	rBV	569153	512816	37.42%	3.121%
6	7.098	848	852	861	rBV	299602	275418	20.10%	1.676%
7	7.510	918	922	933	rBV	159488	200863	14.66%	1.222%
8	8.228	1040	1044	1058	rBV	699597	711247	51.90%	4.328%
9	8.945	1163	1166	1175	rVB	17820	20071	1.46%	0.122%
10	9.039	1179	1182	1191	rVB	18655	21251	1.55%	0.129%
11	9.298	1222	1226	1235	rBV	444812	388941	28.38%	2.367%
12	9.569	1268	1272	1277	rBV	10209	14266	1.04%	0.087%
13	9.639	1281	1284	1287	rVV	26080	27001	1.97%	0.164%
14	9.692	1291	1293	1300	rVV	41652	37134	2.71%	0.226%
15	9.757	1300	1304	1310	rVV2	12605	17017	1.24%	0.104%
16	9.845	1316	1319	1323	rVB2	23298	21858	1.60%	0.133%
17	9.986	1339	1343	1346	rBV	758664	654627	47.77%	3.984%
18	10.016	1346	1348	1354	rVB	143579	126436	9.23%	0.769%
19	10.139	1365	1369	1373	rVB2	16999	16990	1.24%	0.103%
20	10.192	1373	1378	1381	rBV2	53531	55222	4.03%	0.336%
21	10.392	1406	1412	1417	rBV	49991	51440	3.75%	0.313%
22	10.533	1433	1436	1442	rBV	88638	92455	6.75%	0.563%
23	10.622	1449	1451	1453	rVB2	19811	14822	1.08%	0.090%
24	10.692	1461	1463	1467	rVB	33568	27678	2.02%	0.168%
25	10.780	1474	1478	1484	rBV	157886	170284	12.43%	1.036%
26	10.880	1490	1495	1496	rBV2	13292	18681	1.36%	0.114%
27	11.086	1522	1530	1532	rBV2	33567	49946	3.64%	0.304%
28	11.110	1532	1534	1537	rVB2	18298	15870	1.16%	0.097%
29	11.163	1540	1543	1546	rVB3	11728	14880	1.09%	0.091%
30	11.210	1546	1551	1553	rBV4	20867	29594	2.16%	0.180%
31	11.233	1553	1555	1559	rVB2	20320	19610	1.43%	0.119%
32	11.286	1559	1564	1567	rBV	48628	44420	3.24%	0.270%
33	11.322	1567	1570	1571	rBV2	25622	26708	1.95%	0.163%
34	11.375	1576	1579	1583	rVB	66607	55816	4.07%	0.340%

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35	11.480	1593	1597	1599	rBV	655149	605683	44.20%	3.686%
36	11.504	1599	1601	1605	rVV	1334623	1080562	78.85%	6.576%
37	11.557	1605	1610	1614	rVV	229072	221738	16.18%	1.349%
38	11.592	1614	1616	1620	rVB3	14838	19056	1.39%	0.116%
39	11.716	1632	1637	1640	rBV2	74675	92295	6.74%	0.562%
40	11.769	1644	1646	1648	rVV	35807	26052	1.90%	0.159%
41	11.816	1651	1654	1658	rVB3	22762	29514	2.15%	0.180%
42	11.857	1658	1661	1663	rBV2	20896	15969	1.17%	0.097%
43	11.892	1663	1667	1672	rVB3	15263	24290	1.77%	0.148%
44	11.939	1672	1675	1678	rBV3	14101	16639	1.21%	0.101%
45	11.980	1678	1682	1684	rBV	180784	154582	11.28%	0.941%
46	12.010	1684	1687	1691	rVV	224247	184672	13.48%	1.124%
47	12.057	1691	1695	1698	rVV	72116	63581	4.64%	0.387%
48	12.092	1698	1701	1704	rVV2	210976	264265	19.28%	1.608%
49	12.116	1704	1705	1709	rVB	124830	83046	6.06%	0.505%
50	12.157	1709	1712	1716	rBV5	18459	23060	1.68%	0.140%
51	12.275	1729	1732	1735	rBV	131135	104845	7.65%	0.638%
52	12.310	1735	1738	1742	rVV	100262	98724	7.20%	0.601%
53	12.351	1742	1745	1747	rVB	19112	15324	1.12%	0.093%
54	12.422	1752	1757	1761	rBV4	47602	63763	4.65%	0.388%
55	12.457	1761	1763	1765	rVB	31738	21502	1.57%	0.131%
56	12.480	1765	1767	1770	rBV	23964	18334	1.34%	0.112%
57	12.527	1772	1775	1779	rBV	94189	110638	8.07%	0.673%
58	12.569	1779	1782	1784	rVV2	48310	58868	4.30%	0.358%
59	12.627	1788	1792	1796	rBV2	75080	89771	6.55%	0.546%
60	12.698	1800	1804	1808	rBV	1273154	1188164	86.71%	7.230%
61	12.733	1808	1810	1812	rVB	20350	15282	1.12%	0.093%
62	12.763	1812	1815	1818	rVB2	33162	31443	2.29%	0.191%
63	12.792	1818	1820	1823	rBV	16410	15320	1.12%	0.093%
64	12.851	1825	1830	1832	rBV3	49988	65759	4.80%	0.400%
65	12.933	1837	1844	1848	rBV	1296867	1370342	100.00%	8.339%
66	12.974	1848	1851	1855	rVB2	64598	71101	5.19%	0.433%
67	13.057	1858	1865	1868	rBV2	360326	354112	25.84%	2.155%
68	13.092	1868	1871	1875	rVB	46333	55830	4.07%	0.340%
69	13.151	1875	1881	1884	rBV3	79593	147347	10.75%	0.897%
70	13.257	1891	1899	1903	rBV	126782	226828	16.55%	1.380%
71	13.321	1907	1910	1912	rVV	68785	61754	4.51%	0.376%

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72	13.363	1912	1917	1919	rVV2	113222	138963	10.14%	0.846%
73	13.386	1919	1921	1923	rVB	24827	21039	1.54%	0.128%
74	13.416	1924	1926	1930	rVB2	24458	21617	1.58%	0.132%
75	13.457	1930	1933	1935	rBV	77221	73669	5.38%	0.448%
76	13.486	1935	1938	1941	rBV2	84699	76826	5.61%	0.468%
77	13.680	1969	1971	1973	rBV	20629	16877	1.23%	0.103%
78	13.739	1979	1981	1983	rBV3	19597	20565	1.50%	0.125%
79	13.769	1983	1986	1994	rVB	108621	125925	9.19%	0.766%
80	13.827	1994	1996	1998	rBV3	25140	17431	1.27%	0.106%
81	13.880	2002	2005	2007	rVV	84759	82765	6.04%	0.504%
82	13.904	2007	2009	2011	rVV	103526	82664	6.03%	0.503%
83	13.933	2011	2014	2019	rVV2	89564	124452	9.08%	0.757%
84	13.980	2019	2022	2025	rVB	87017	76229	5.56%	0.464%
85	14.127	2040	2047	2050	rBV2	708877	1117438	81.54%	6.800%
86	14.157	2050	2052	2058	rVB	512468	429921	31.37%	2.616%
87	14.239	2063	2066	2071	rVB2	70587	90495	6.60%	0.551%
88	14.286	2072	2074	2075	rBV	30887	25005	1.82%	0.152%
89	14.327	2079	2081	2083	rBV	24765	17486	1.28%	0.106%
90	14.516	2110	2113	2116	rVB	89980	70921	5.18%	0.432%
91	14.551	2117	2119	2123	rBV2	38807	41343	3.02%	0.252%
92	14.645	2133	2135	2137	rBV	41237	39761	2.90%	0.242%
93	15.033	2199	2201	2206	rVB3	39003	36918	2.69%	0.225%
94	15.204	2226	2230	2233	rBV	295828	472315	34.47%	2.874%
95	15.315	2246	2249	2253	rVB	57559	69925	5.10%	0.426%
96	15.521	2281	2284	2290	rVB	181807	227607	16.61%	1.385%
97	15.592	2291	2296	2299	rBV	266930	346486	25.28%	2.108%
98	15.657	2303	2307	2310	rBV	239441	297652	21.72%	1.811%
99	17.221	2568	2573	2579	rVB	110150	217216	15.85%	1.322%
100	17.704	2651	2655	2663	rVB2	86462	175854	12.83%	1.070%

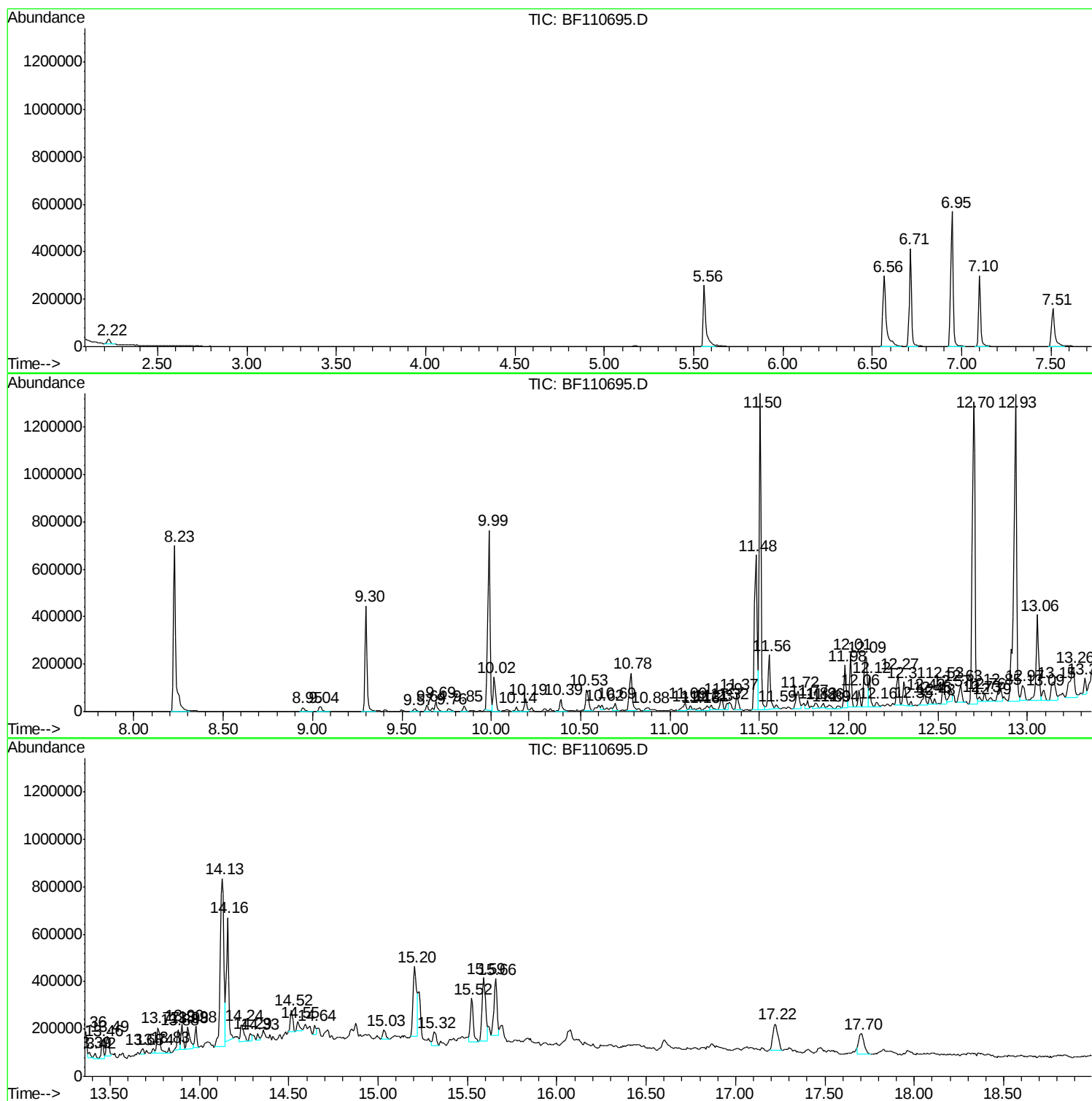
Sum of corrected areas: 16432933

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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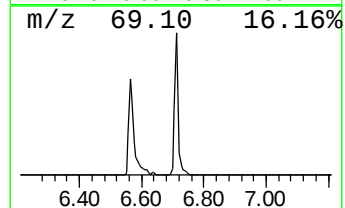
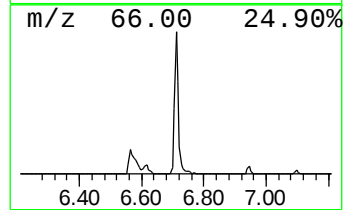
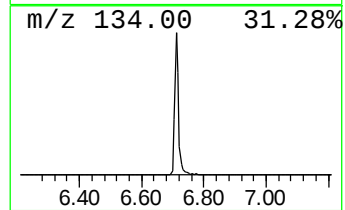
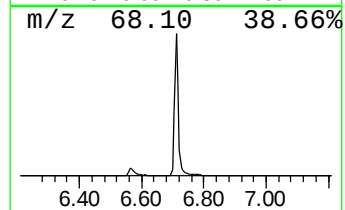
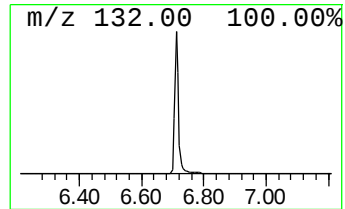
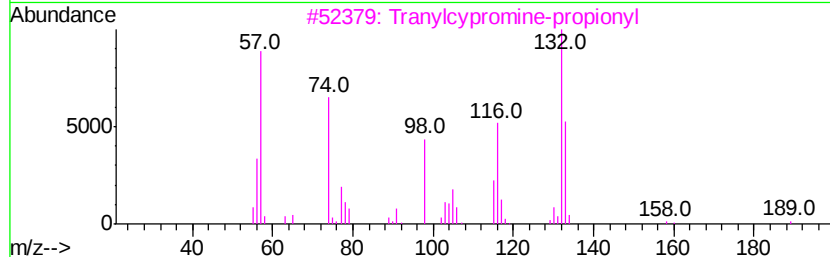
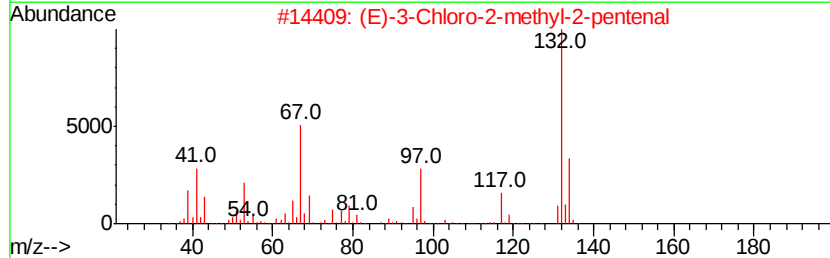
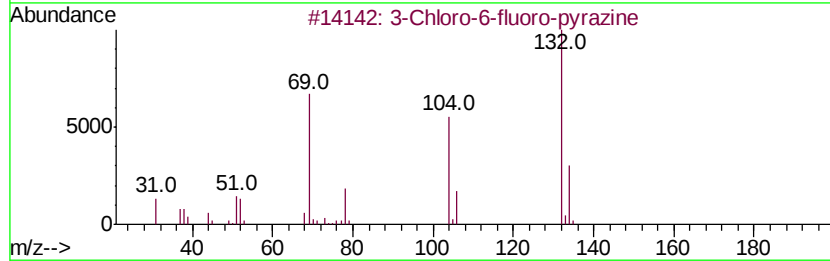
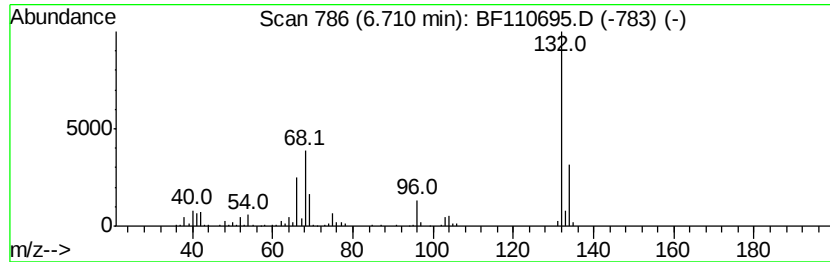
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.71 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	13.89 ng	356111	1,4-Dichlorobenzene-d4	6.95

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	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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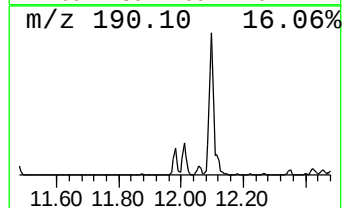
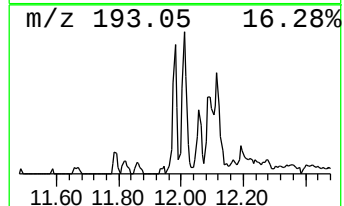
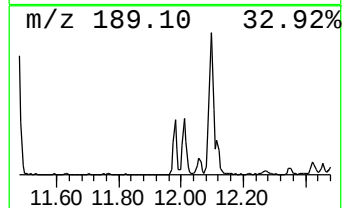
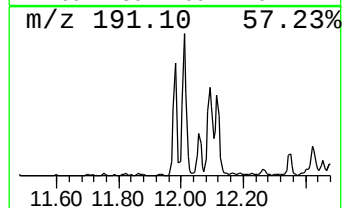
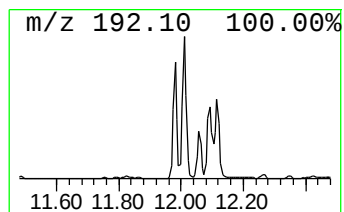
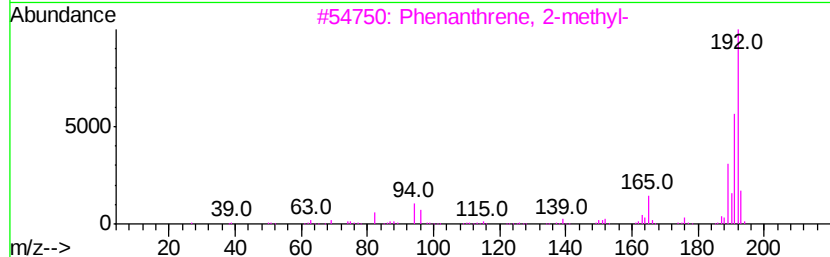
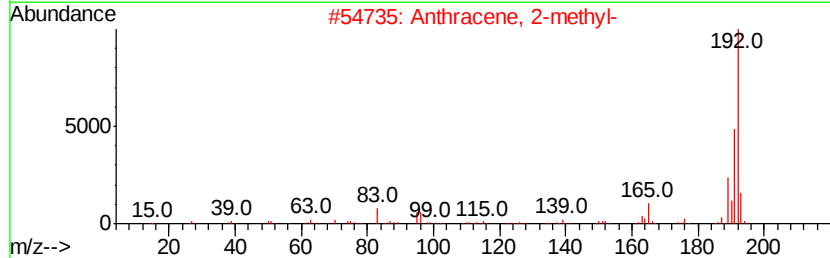
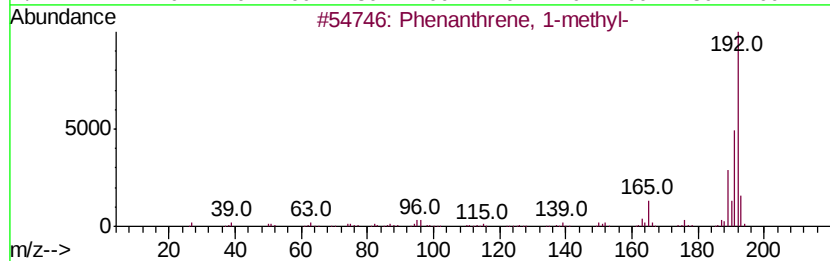
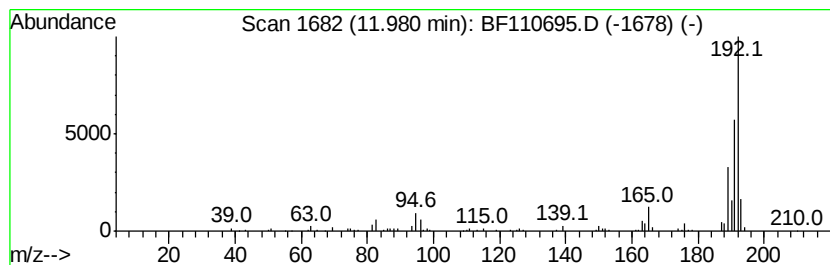
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.10 ng	154582	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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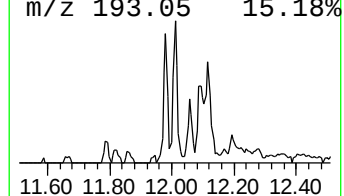
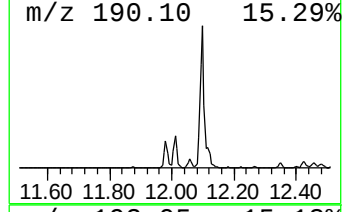
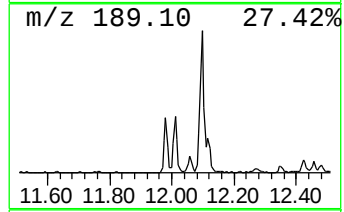
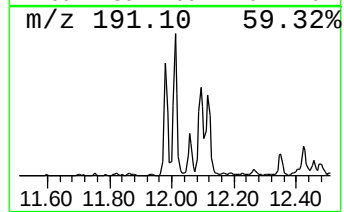
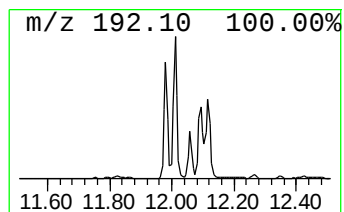
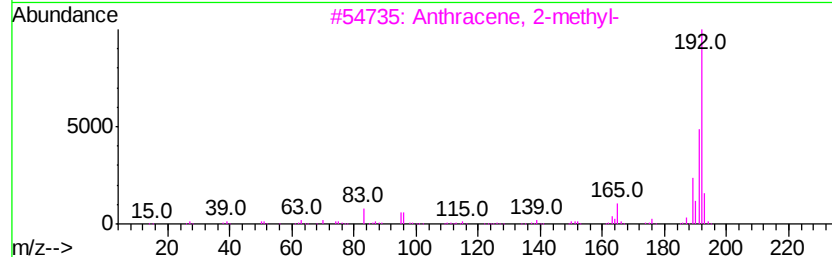
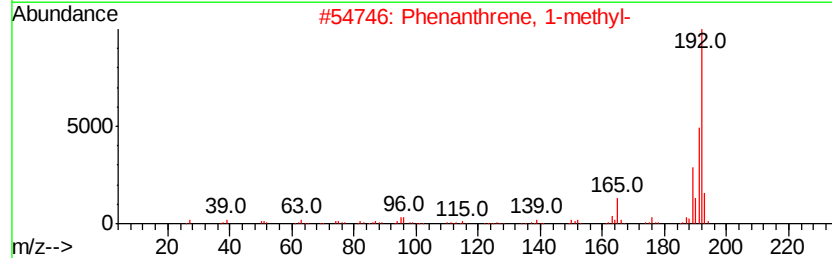
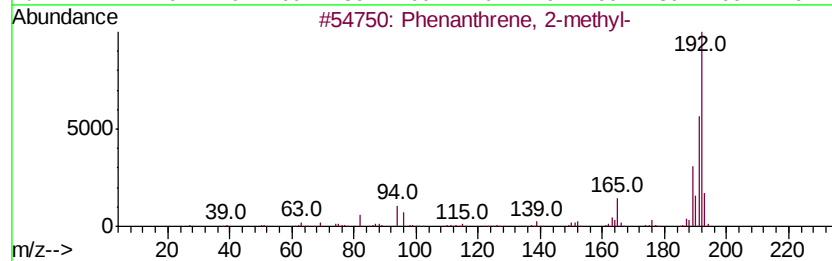
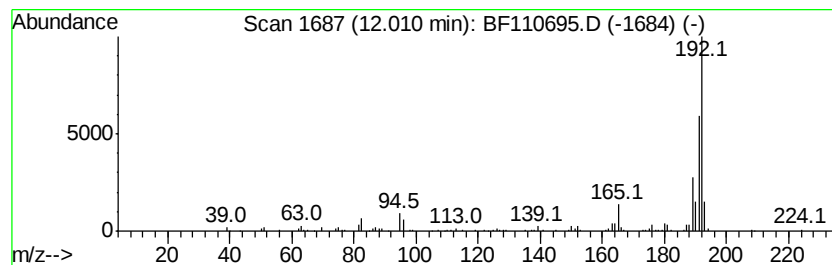
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	6.10 ng	184672	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



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Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
Operator : JU/SJ
Sample : J5907-21 5X
Misc :
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ClientSampleId :
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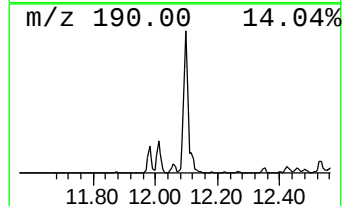
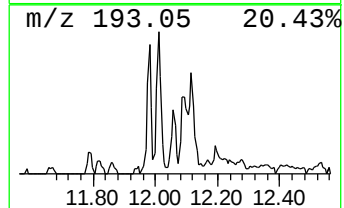
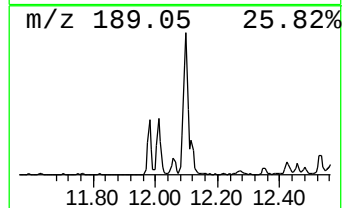
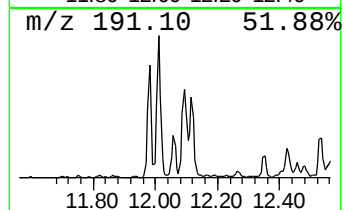
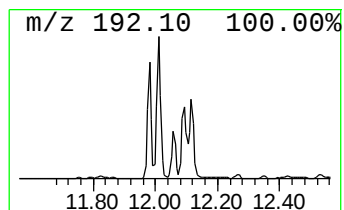
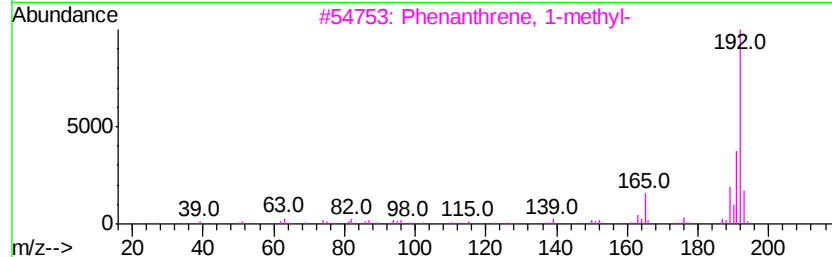
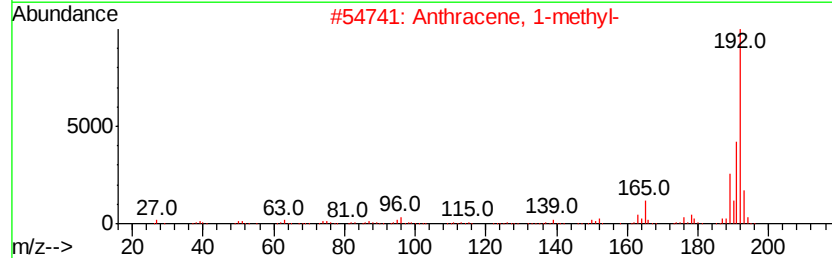
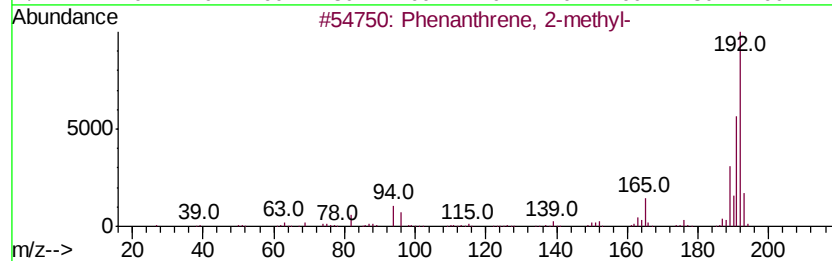
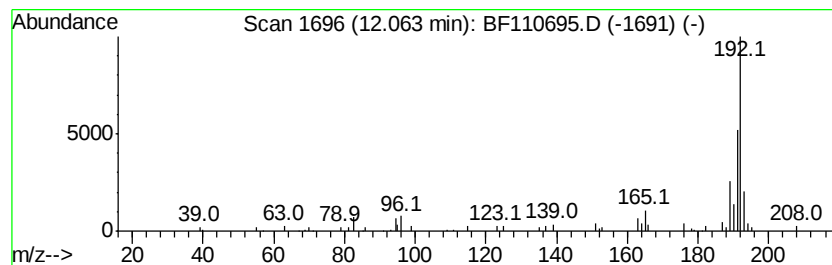
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.10 ng	63581	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



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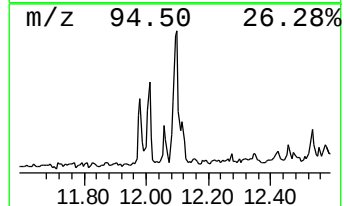
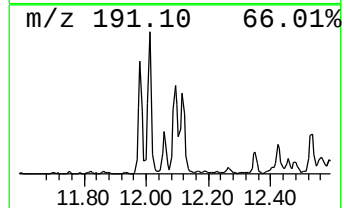
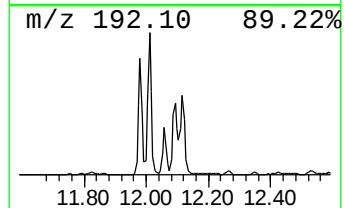
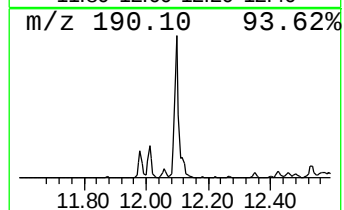
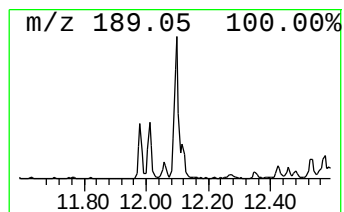
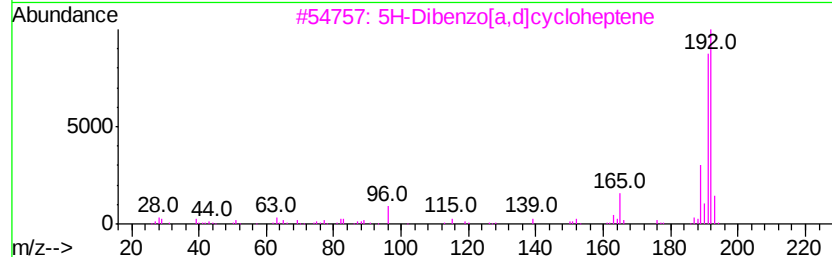
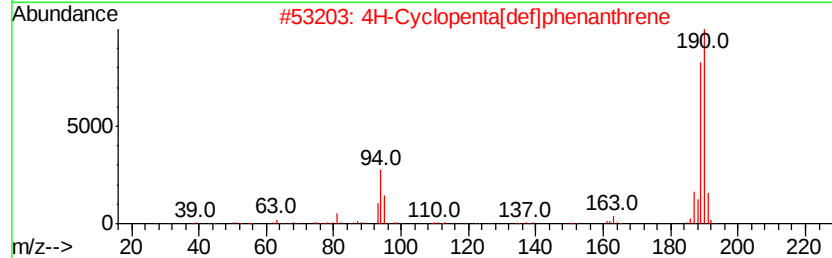
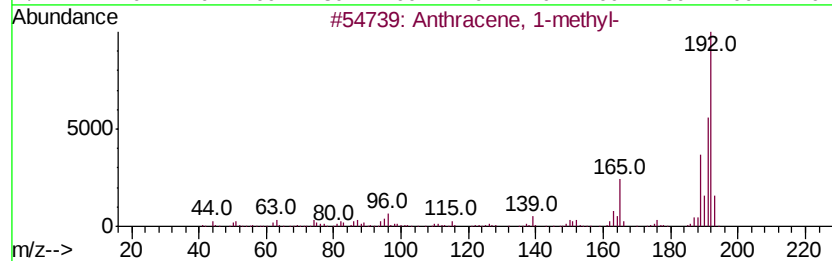
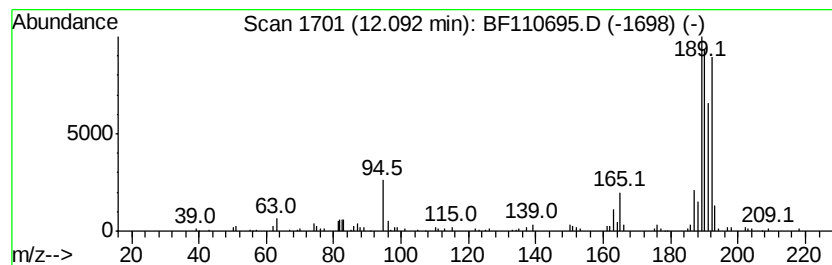
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	8.73 ng	264265	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		5H-Dibenzofa,d]cycloheptene	192	C15H12	000256-81-5	46
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41



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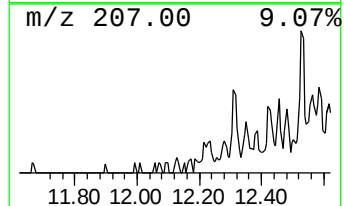
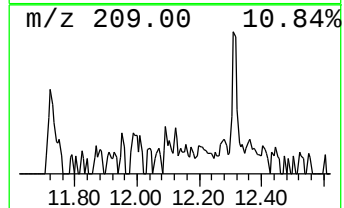
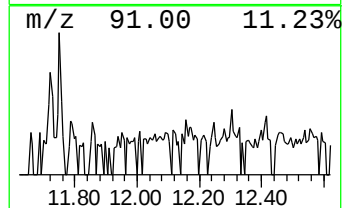
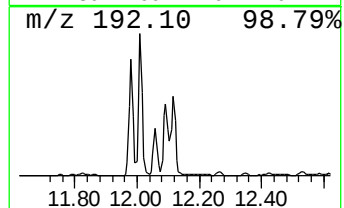
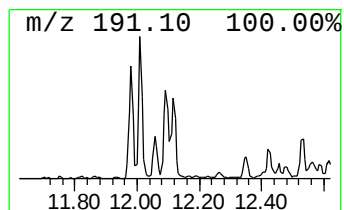
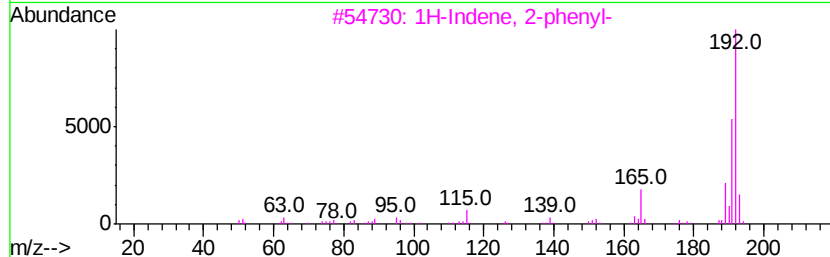
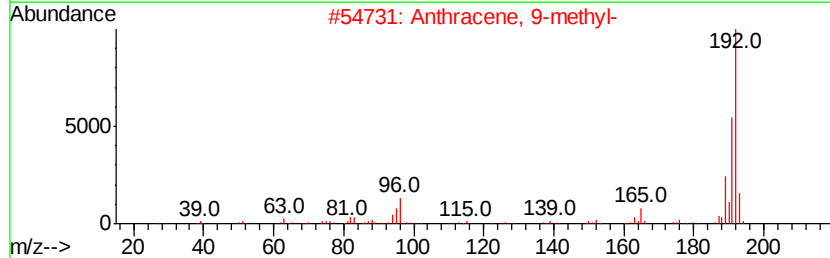
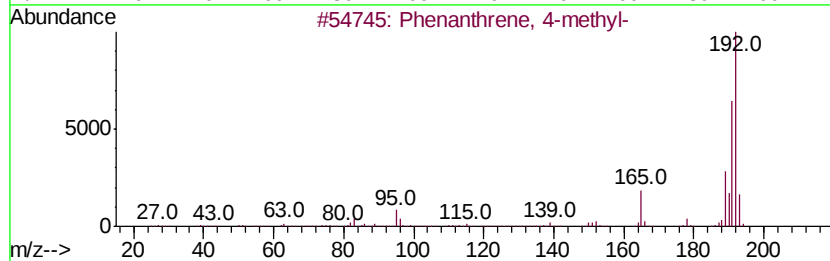
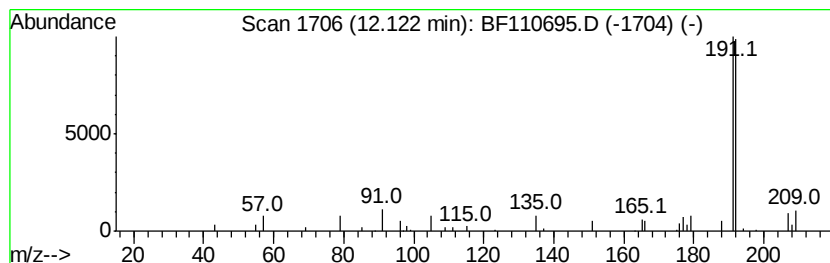
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.74 ng	83046	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83



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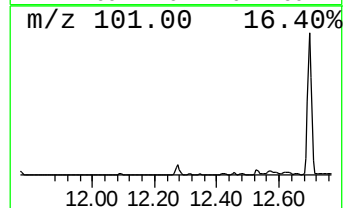
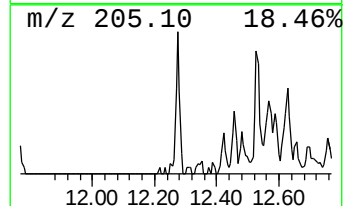
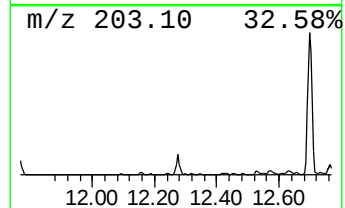
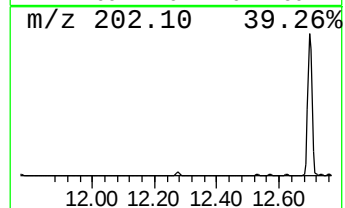
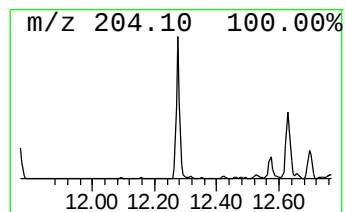
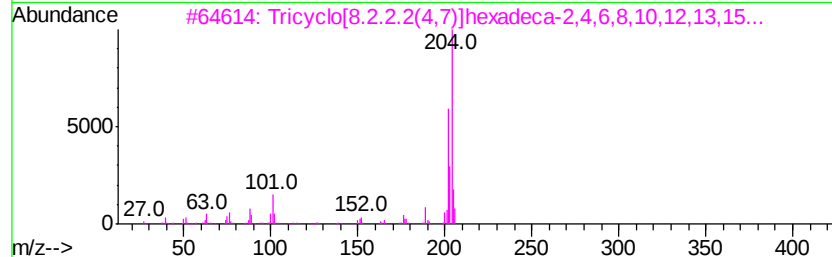
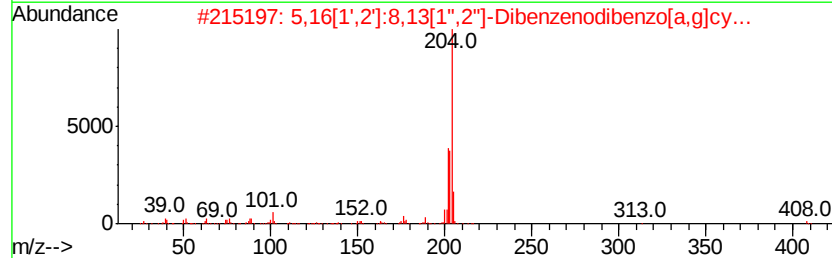
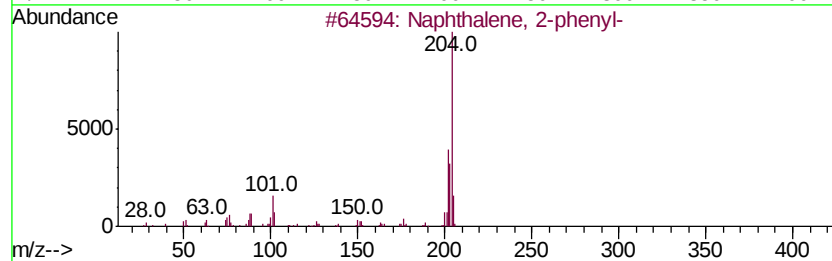
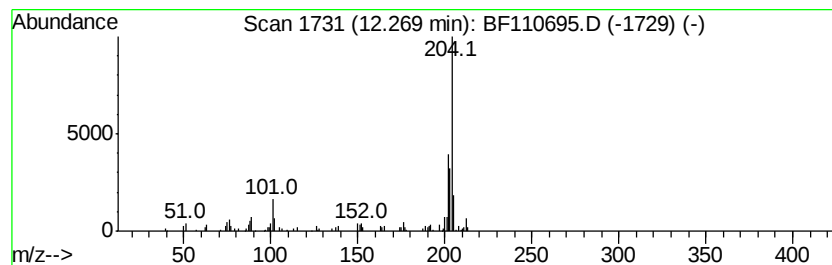
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.46 ng	104845	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58



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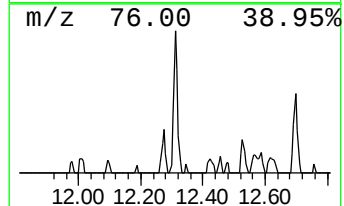
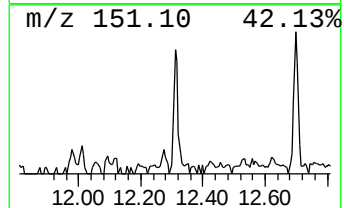
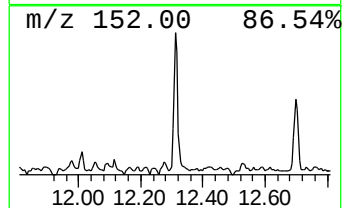
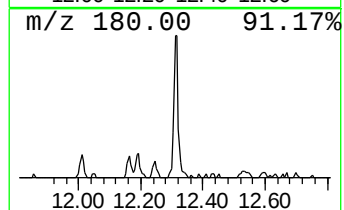
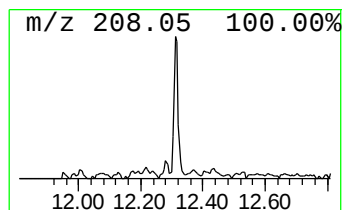
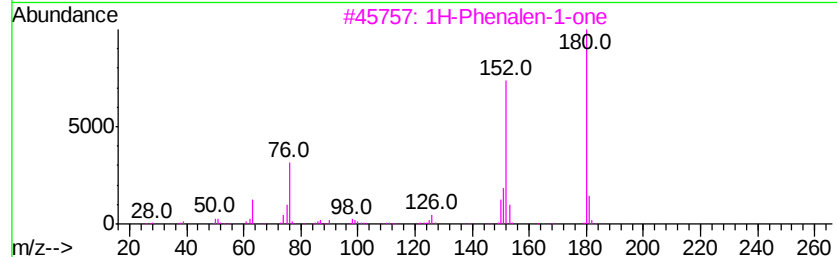
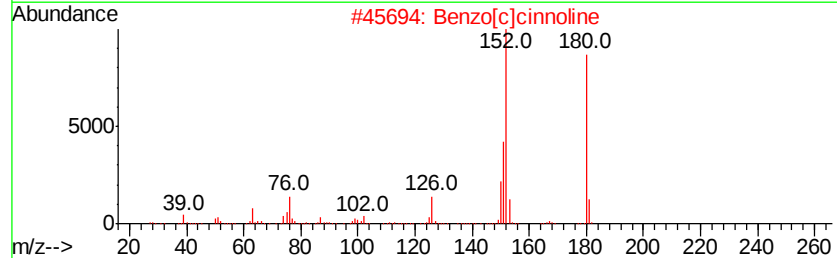
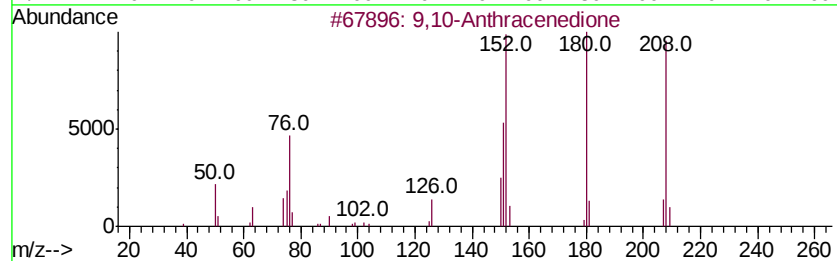
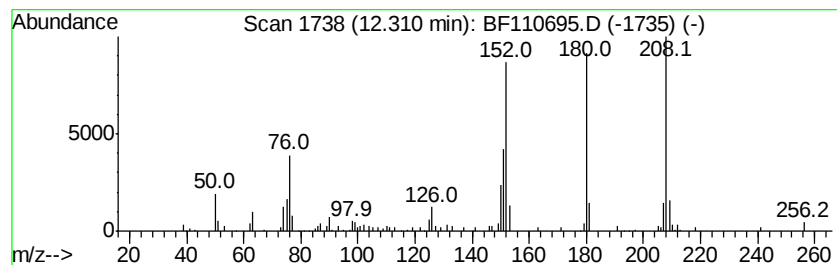
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	3.26 ng	98724	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[ghi]cinnoline	180	C12H8N2	000230-31-9	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53



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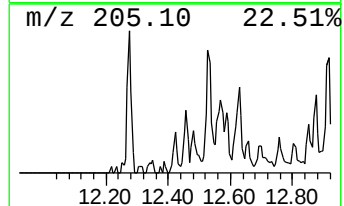
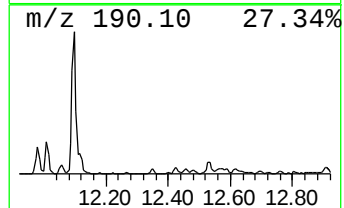
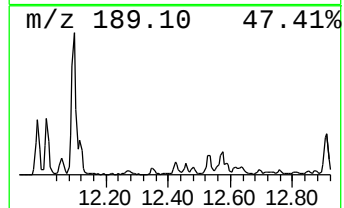
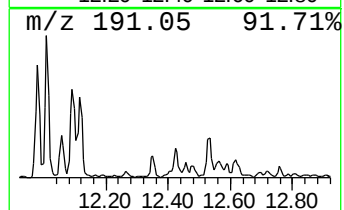
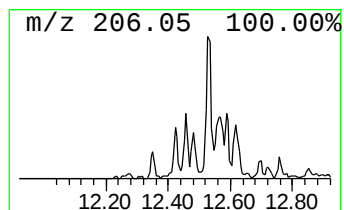
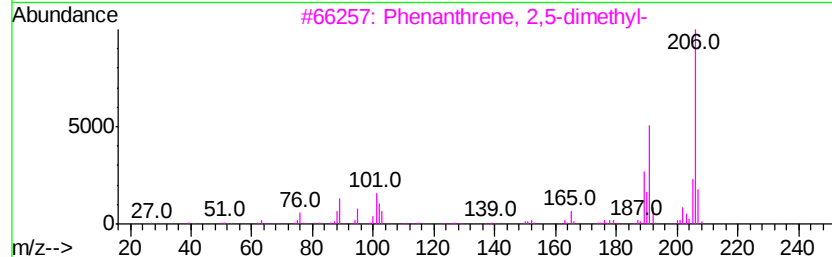
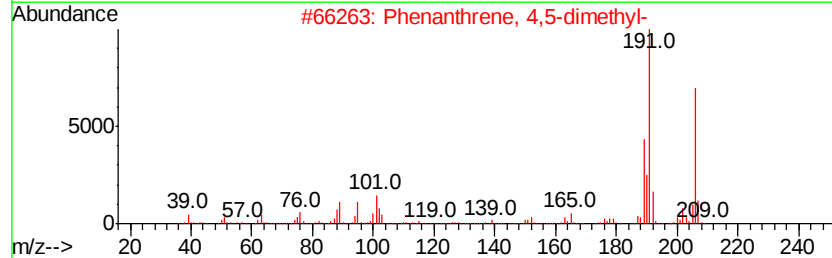
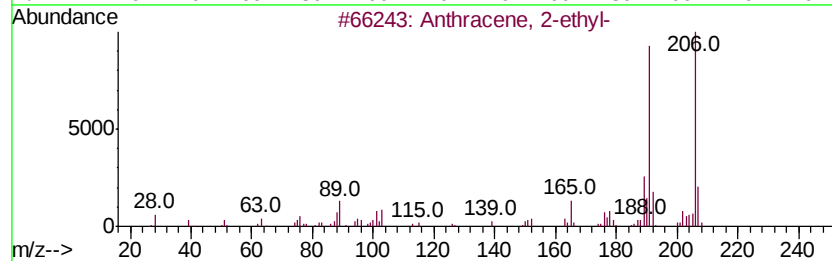
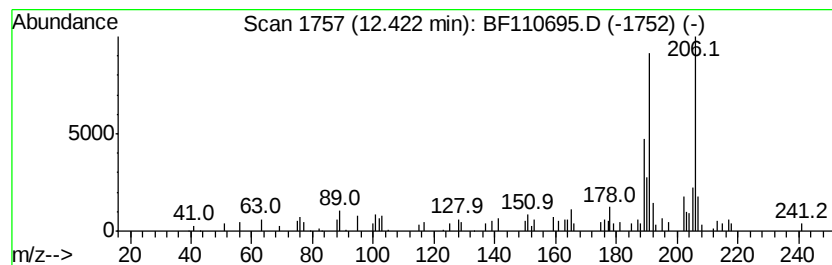
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.11 ng	63763	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
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ClientSampleId :
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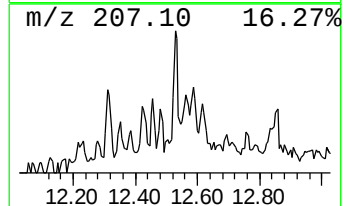
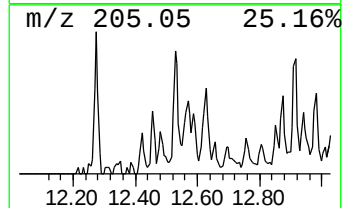
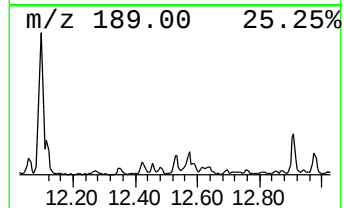
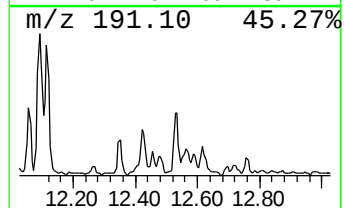
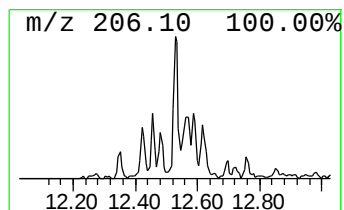
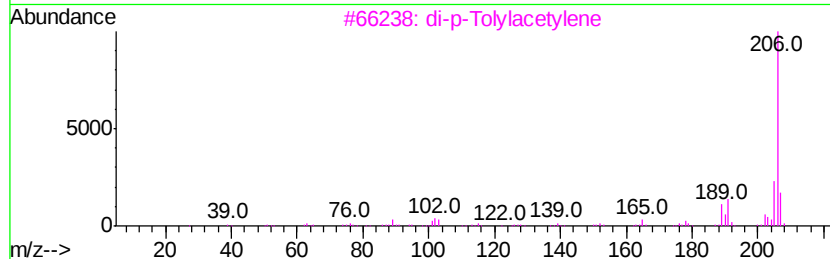
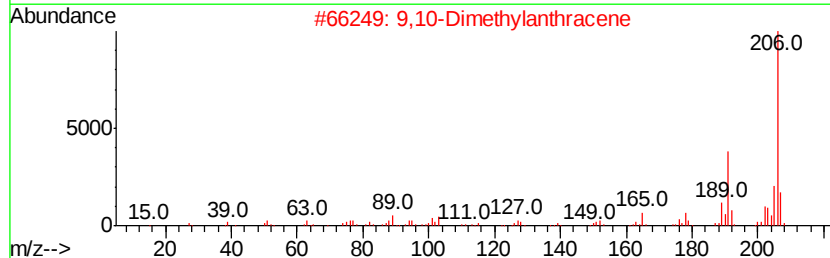
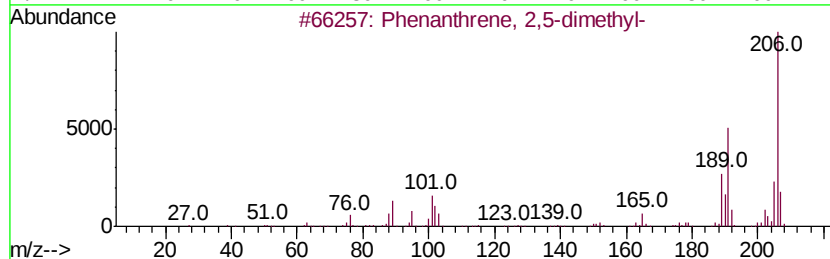
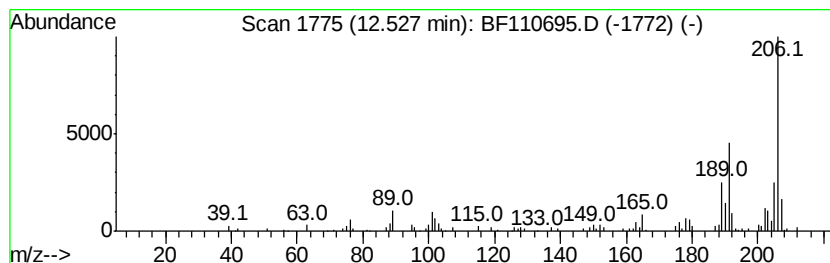
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.65 ng	110638	Phenanthrene-d10	11.48

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	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
Operator : JU/SJ
Sample : J5907-21 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-S

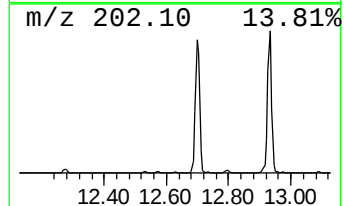
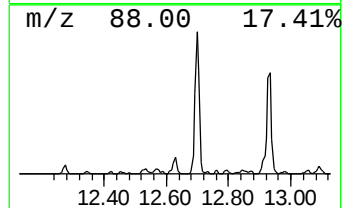
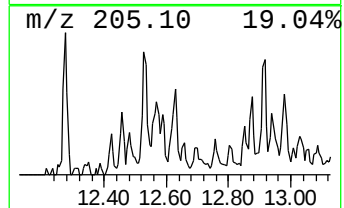
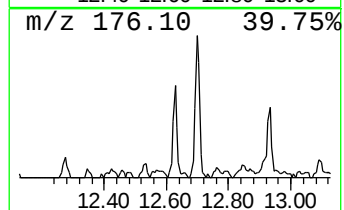
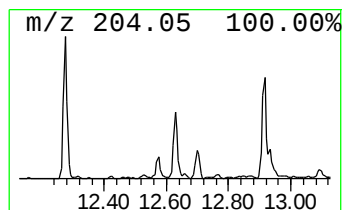
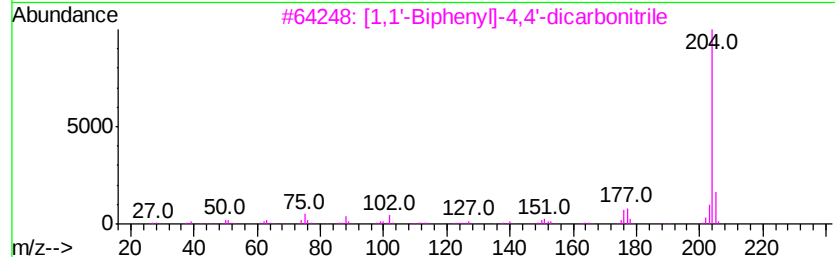
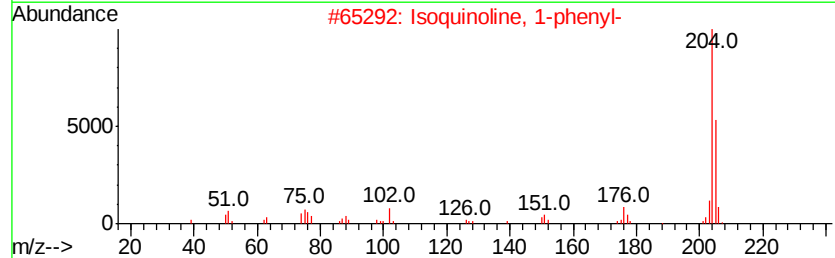
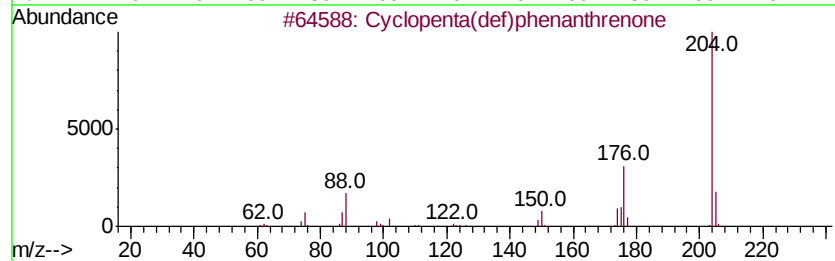
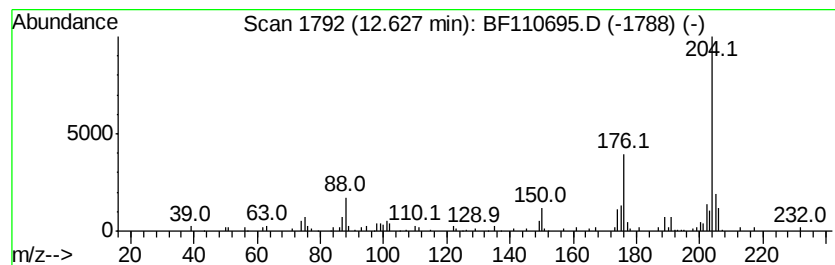
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.96 ng	89771	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	64
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4		1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	47
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
Operator : JU/SJ
Sample : J5907-21 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

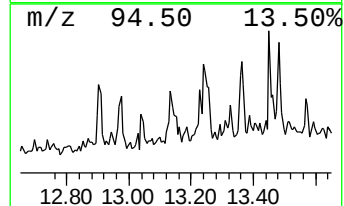
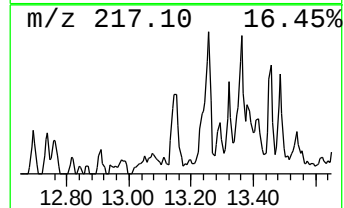
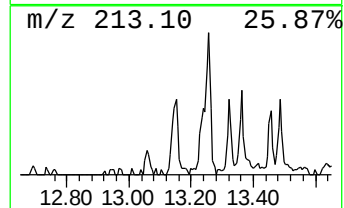
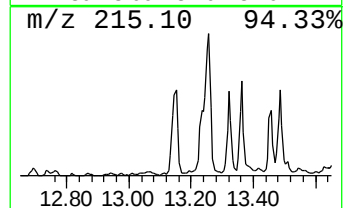
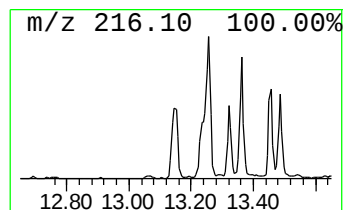
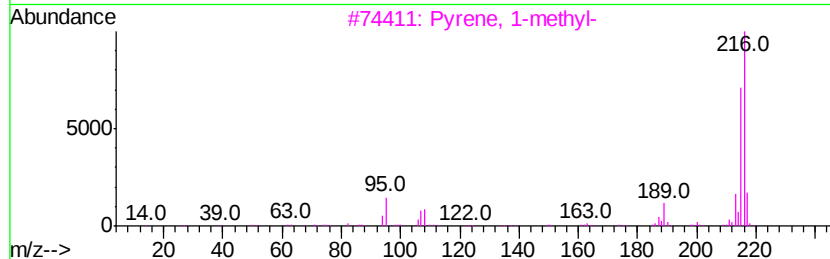
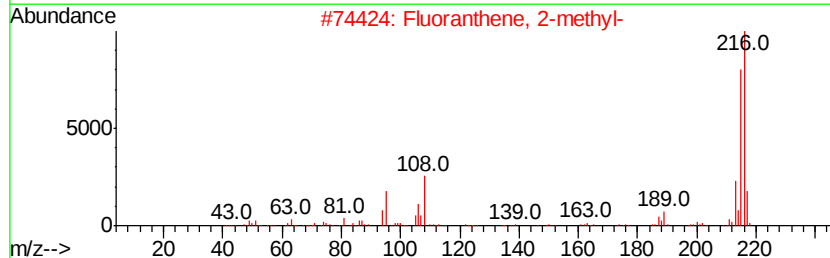
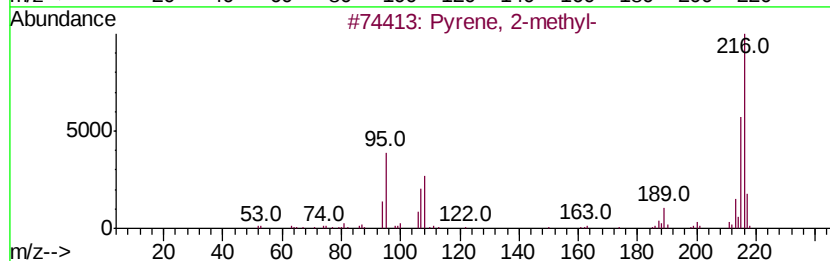
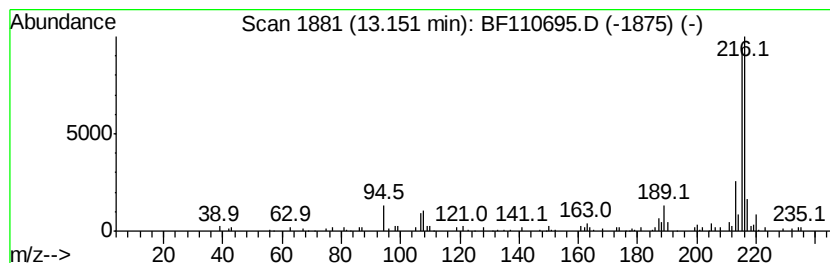
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.15	2.64 ng	147347	Chrysene-d12	14.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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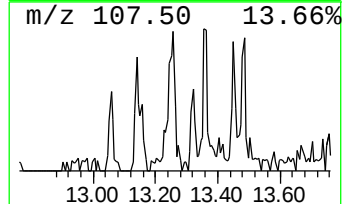
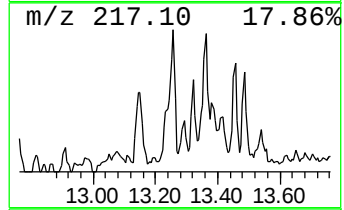
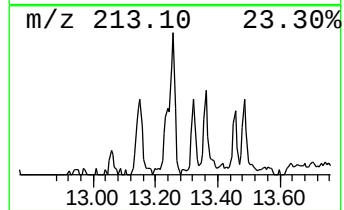
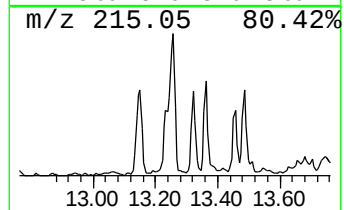
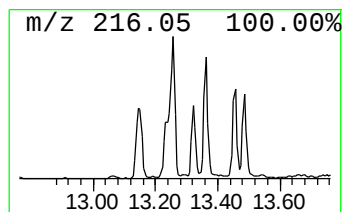
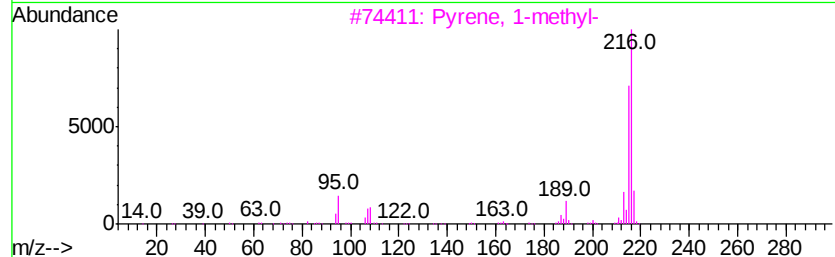
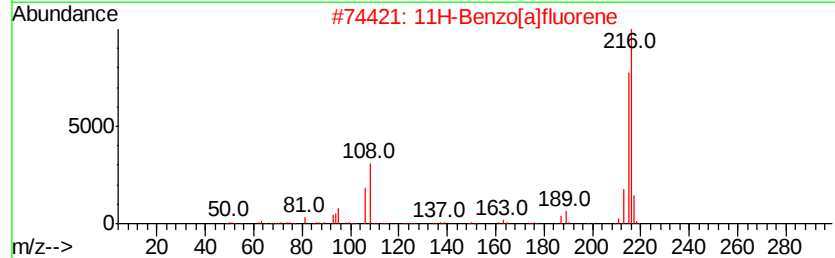
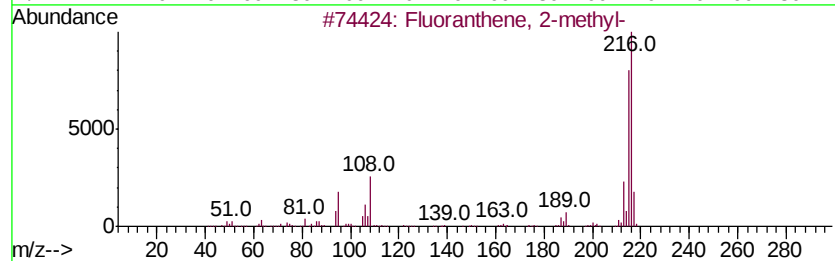
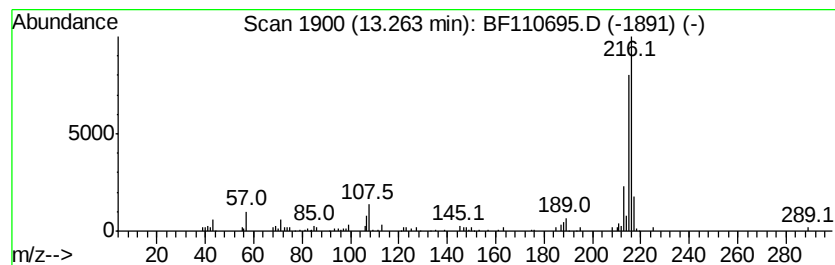
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.06 ng	226828	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
Operator : JU/SJ
Sample : J5907-21 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

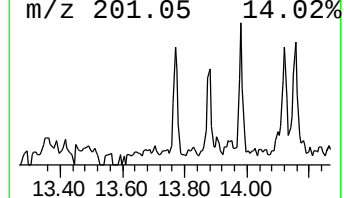
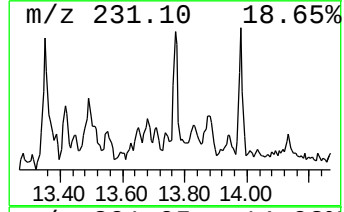
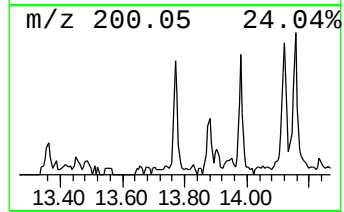
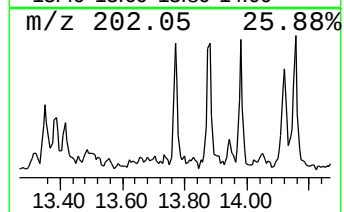
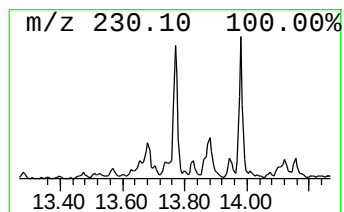
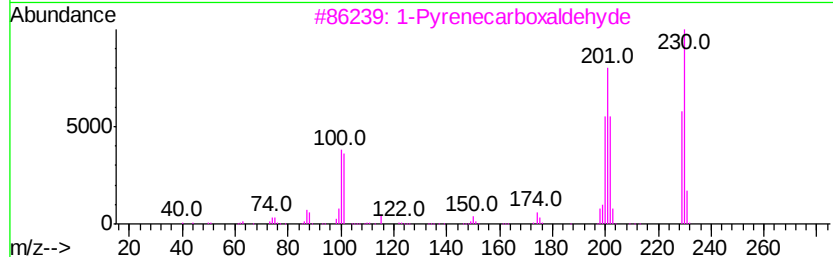
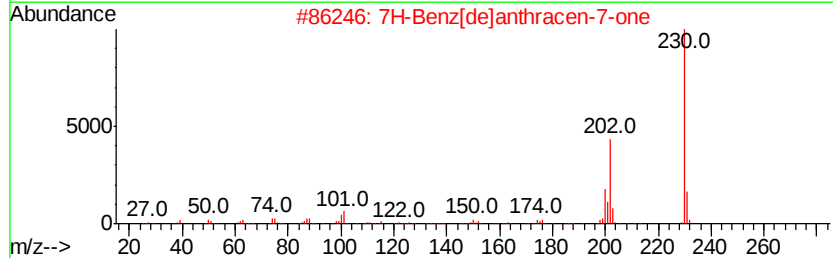
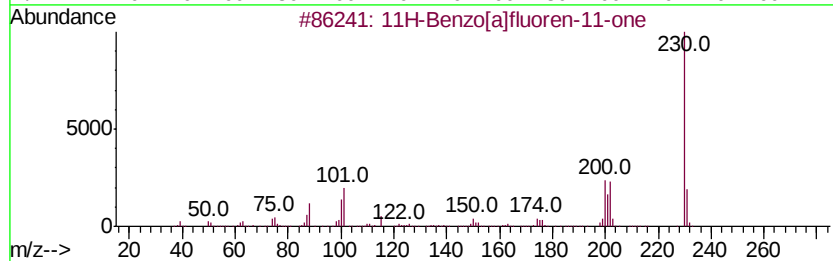
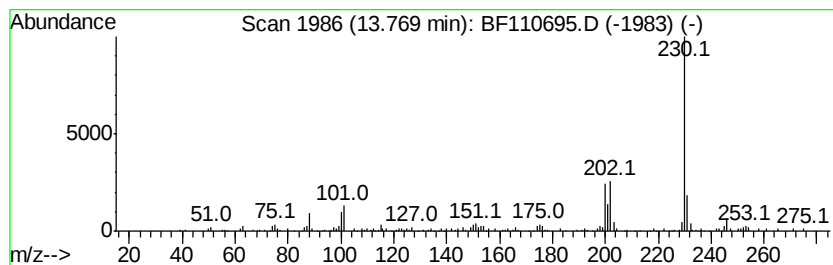
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.77	2.25 ng	125925	Chrysene-d12	14.13		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5		Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
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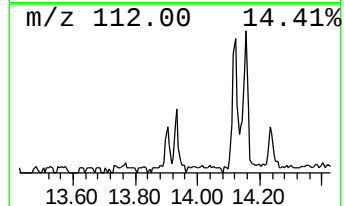
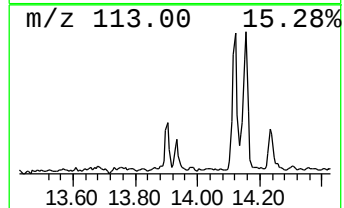
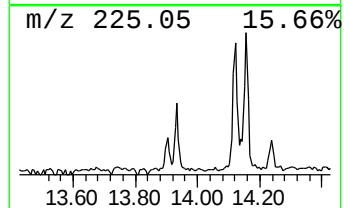
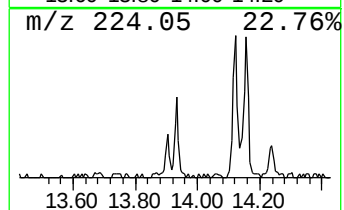
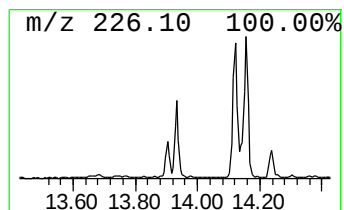
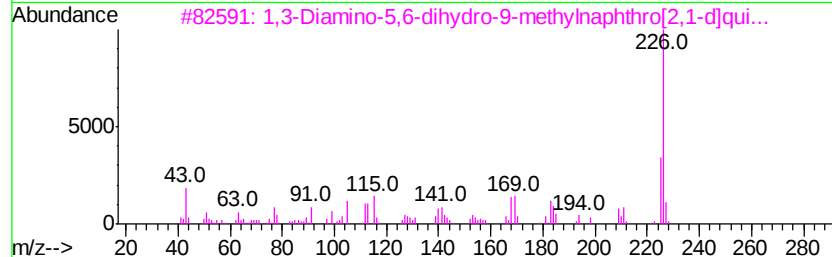
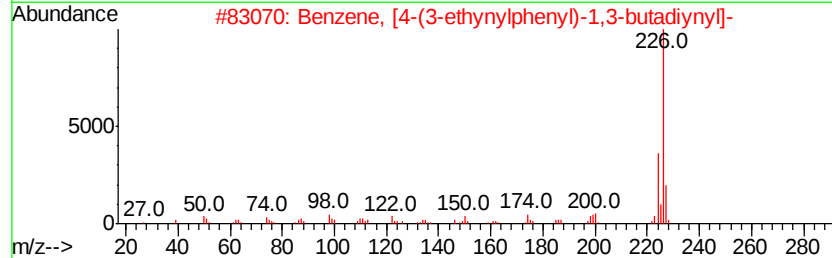
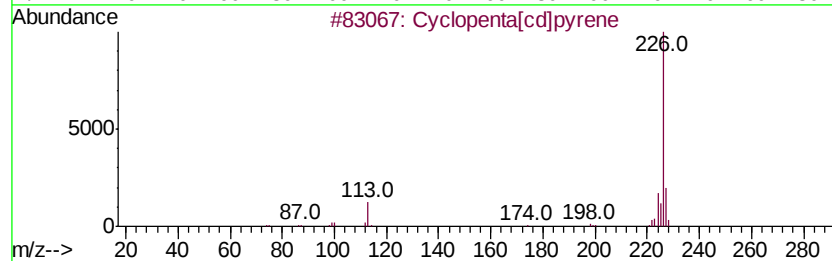
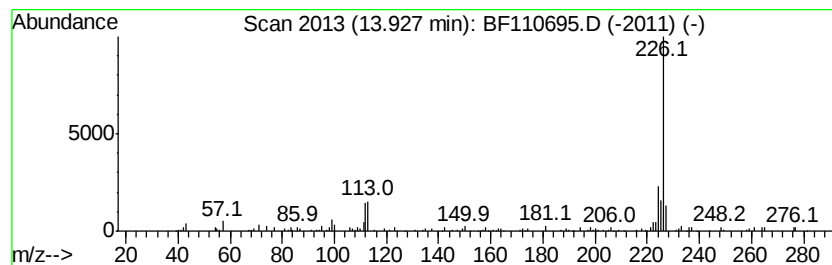
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	2.23 ng	124452	Chrysene-d12	14.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 76
2		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 47
3		1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8 42
4		4-Naphthalen-2-yl-thiazol-2-ylamine	226 C13H10N2S	1000300-53-4 42
5		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
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Misc :
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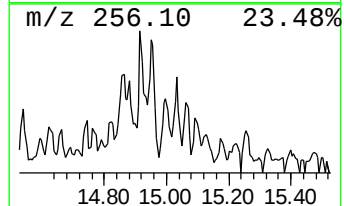
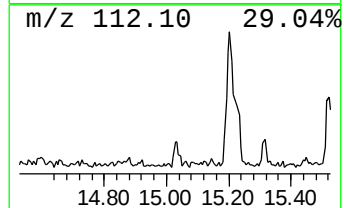
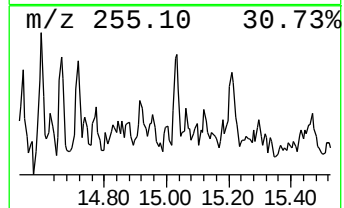
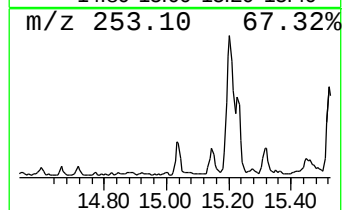
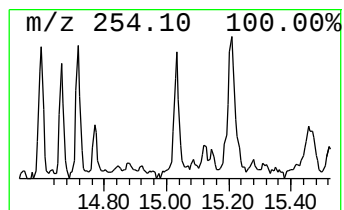
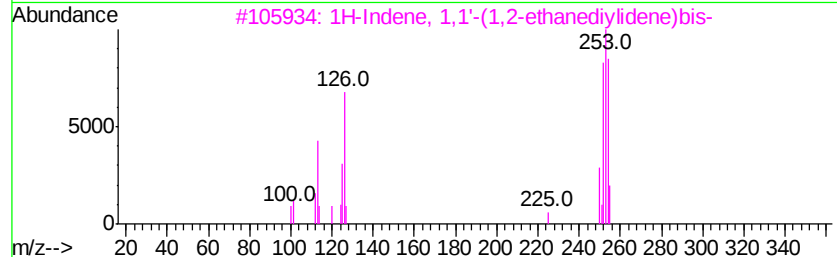
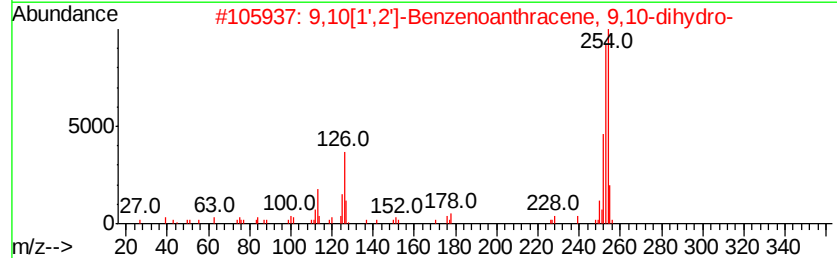
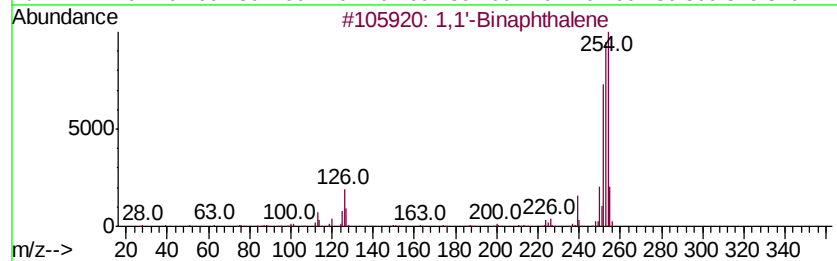
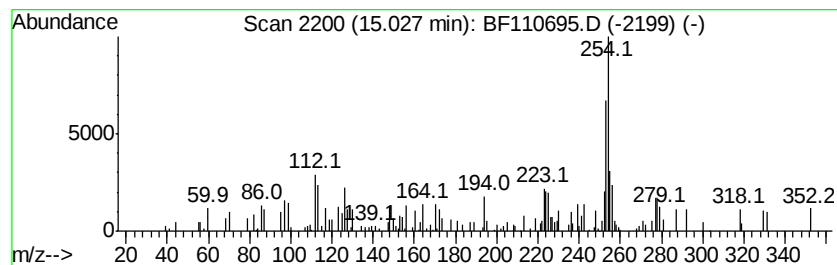
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.48 ng	36918	Perylene-d12	15.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Binaphthalene	254 C20H14	000604-53-5	62
2	9,10[1',2']-Benzenoanthracene, 9...	254 C20H14	000477-75-8	58
3	1H-Indene, 1,1'-(1,2-ethanedivli...	254 C20H14	072088-04-1	58
4	4,5-Dihydrobenzo[el]pyrene	254 C20H14	095676-42-9	58
5	Anthracene, 9-phenyl-	254 C20H14	000602-55-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
Operator : JU/SJ
Sample : J5907-21 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-S

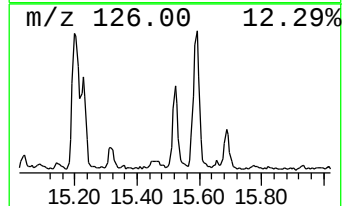
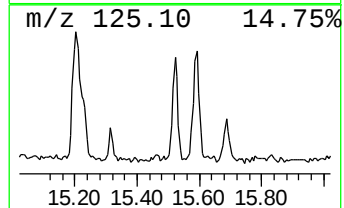
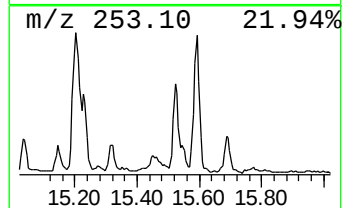
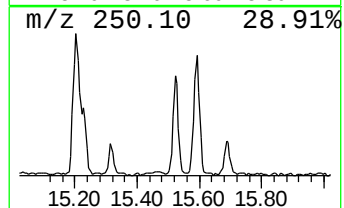
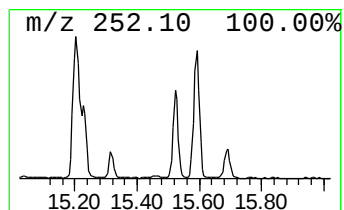
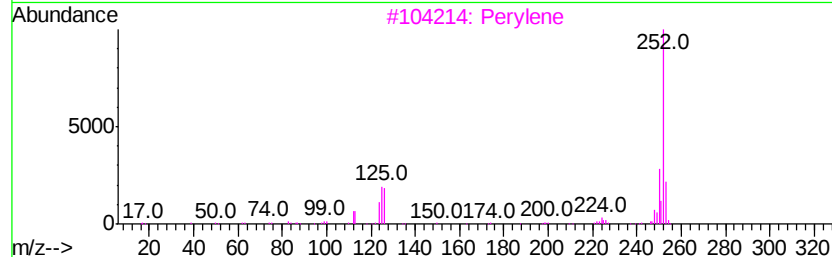
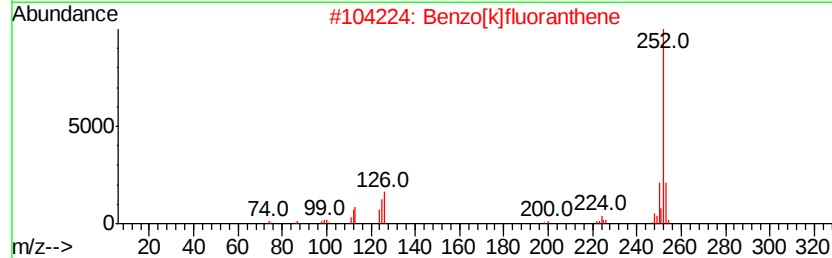
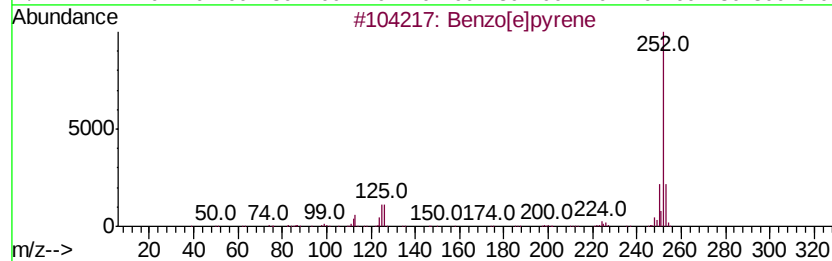
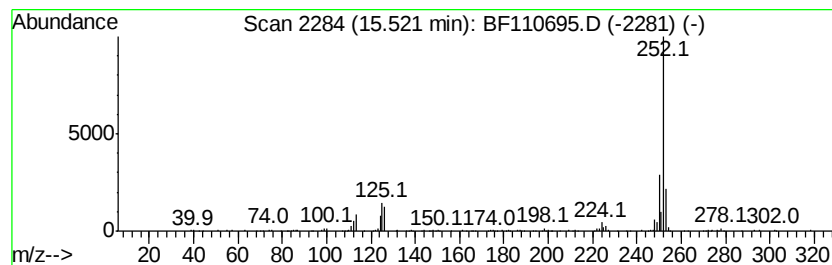
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	15.29 ng	227607	Perylene-d12	15.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Perylene	252	C20H12	000198-55-0	98
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
5		Benzo[a]pyrene	252	C20H12	000050-32-8	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111218\
 Data File : BF110695.D
 Acq On : 13 Nov 2018 00:44
 Operator : JU/SJ
 Sample : J5907-21 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.71	6.71	13.9	ng	356111	1	6.95	512816	20.0
Phenanthrene, 1-m...	11.98	5.1	ng	154582	4	11.48	605683	20.0
Phenanthrene, 2-m...	12.01	6.1	ng	184672	4	11.48	605683	20.0
Anthracene, 1-met...	12.06	2.1	ng	63581	4	11.48	605683	20.0
4H-Cyclopenta[def...	12.09	8.7	ng	264265	4	11.48	605683	20.0
Phenanthrene, 4-m...	12.12	2.7	ng	83046	4	11.48	605683	20.0
Naphthalene, 2-ph...	12.27	3.5	ng	104845	4	11.48	605683	20.0
9,10-Anthracenedione	12.31	3.3	ng	98724	4	11.48	605683	20.0
Phenanthrene, 2,5...	12.42	2.1	ng	63763	4	11.48	605683	20.0
Anthracene, 1,4-d...	12.53	3.6	ng	110638	4	11.48	605683	20.0
Cyclopenta(def)ph...	12.63	3.0	ng	89771	4	11.48	605683	20.0
Pyrene, 2-methyl-	13.15	2.6	ng	147347	5	14.13	1117440	20.0
Fluoranthene, 2-m...	13.26	4.1	ng	226828	5	14.13	1117440	20.0
11H-Benzo[a]fluor...	13.77	2.3	ng	125925	5	14.13	1117440	20.0
Cyclopenta[cd]pyrene	13.93	2.2	ng	124452	5	14.13	1117440	20.0
1,1'-Binaphthalene	15.03	2.5	ng	36918	6	15.66	297652	20.0
Benzo[e]pyrene	15.52	15.3	ng	227607	6	15.66	297652	20.0