LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\
Data File : BF109758.D
Acq On : 10 Oct 2018 22:37
Operator : JU/SJ
Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.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	5.310	545	548	565	rBV	170193	281618	22.13%	1.673%
2	6.340	720	723	741	rBV	177283	383672	30.15%	2.279%
3	6.463	741	744	760	rVB	317073	418553	32.89%	2.486%
4	6.692	780	783	806	rBV	414353	501573	39.41%	2.979%
5	6.851	806	810	823	rBV	296411	335436	26.36%	1.992%
6	7.257	876	879	905	rBV	111528	255001	20.04%	1.514%
7	7.975	997	1001	1004	rBV	629630	609892	47.93%	3.622%
8	8.686	1119	1122	1130	rBV	45104	56515	4.44%	0.336%
9	8.786	1135	1139	1146	rVV	60486	65764	5.17%	0.391%
10	9.045	1180	1183	1194	rBV	499921	503341	39.55%	2.989%
11	9.139	1194	1199	1206	rVB5	17093	39040	3.07%	0.232%
12	9.245	1215	1217	1225	rVB2	10391	15740	1.24%	0.093%
13	9.316	1225	1229	1233	rBV	28967	43673	3.43%	0.259%
14	9.386	1237	1241	1243	rVV	63013	70141	5.51%	0.417%
15	9.410	1243	1245	1248	rVV	38595	39168	3.08%	0.233%
16	9.445	1248	1251	1255	rVV	60562	77423	6.08%	0.460%
17	9.498	1258	1260	1266	rVB2	25650	35402	2.78%	0.210%
18	9.586	1271	1275	1281	rBV	41797	48163	3.78%	0.286%
19	9.663	1285	1288	1291	rVB	22977	17895	1.41%	0.106%
20	9.722	1291	1298	1301	rBV	775820	712559	55.99%	4.232%
21	9.751	1301	1303	1313	rVB	176815	196391	15.43%	1.166%
22	9.833	1313	1317	1321	rVB3	14867	20624	1.62%	0.122%
23	9.875	1321	1324	1329	rBV4	10975	13298	1.04%	0.079%
24	9.928	1329	1333	1337	rBV	68992	80903	6.36%	0.480%
25	9.963	1337	1339	1342	rVB	21582	20666	1.62%	0.123%
26	10.039	1349	1352	1355	rBV	24320	23059	1.81%	0.137%
27	10.069	1355	1357	1363	rVB	19411	20288	1.59%	0.120%
28	10.128	1363	1367	1369	rBV3	20966	26050	2.05%	0.155%
29	10.163	1370	1373	1378	rVB2	20993	21355	1.68%	0.127%
30	10.269	1388	1391	1397	rBV	158017	177710	13.96%	1.055%
31	10.333	1397	1402	1403	rVV	23693	34610	2.72%	0.206%
32	10.351	1403	1405	1408	rVV2	25133	29028	2.28%	0.172%
33	10.380	1408	1410	1412	rVV2	29246	25749	2.02%	0.153%
34	10.428	1415	1418	1421	rVB	25062	29358	2.31%	0.174%

LSC Area Percent Report

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Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.510	1427	1432	1445	rBV	221810	298236	23.44%	1.771%
36	10.633	1450	1453	1460	rVB3	43379	59940	4.71%	0.356%
37	10.816	1479	1484	1486	rBV	35414	47429	3.73%	0.282%
38	10.839	1486	1488	1492	rVV	28468	39124	3.07%	0.232%
39	10.892	1495	1497	1500	rVV2	20439	22151	1.74%	0.132%
40	10.945	1500	1506	1508	rVV6	15223	29444	2.31%	0.175%
41	10.963	1508	1509	1514	rVV3	20652	21267	1.67%	0.126%
42	11.016	1514	1518	1522	rVV4	13224	19348	1.52%	0.115%
43	11.057	1522	1525	1527	rVV2	17797	23100	1.82%	0.137%
44	11.104	1530	1533	1541	rVB	63215	89458	7.03%	0.531%
45	11.204	1546	1550	1551	rBV	577829	568427	44.67%	3.376%
46	11.227	1551	1554	1560	rVV	939207	1007823	79.20%	5.985%
47	11.275	1560	1562	1568	rVB	153859	174552	13.72%	1.037%
48	11.439	1586	1590	1598	rBV2	54888	107360	8.44%	0.638%
49	11.498	1598	1600	1603	rVV2	30988	31435	2.47%	0.187%
50	11.533	1603	1606	1612	rVB2	30882	37079	2.91%	0.220%
51	11.616	1617	1620	1625	rVB2	17178	24630	1.94%	0.146%
52	11.704	1630	1635	1637	rBV	125010	133532	10.49%	0.793%
53	11.733	1637	1640	1645	rVB	132721	157007	12.34%	0.932%
54	11.780	1645	1648	1650	rBV	33451	33711	2.65%	0.200%
55	11.810	1650	1653	1656	rBV	203865	220584	17.33%	1.310%
56	11.910	1667	1670	1672	rBV3	16627	14176	1.11%	0.084%
57	11.933	1672	1674	1678	rVB2	16063	14509	1.14%	0.086%
58	11.998	1682	1685	1688	rVV	63921	76352	6.00%	0.453%
59	12.027	1688	1690	1695	rVB3	30738	37609	2.96%	0.223%
60	12.145	1708	1710	1713	rBV	19747	18505	1.45%	0.110%
61	12.174	1713	1715	1717	rBV	23032	23388	1.84%	0.139%
62	12.251	1724	1728	1730	rBV	91053	98859	7.77%	0.587%
63	12.286	1730	1734	1740	rVV4	75914	150798	11.85%	0.896%
64	12.339	1740	1743	1747	rVV3	39346	51645	4.06%	0.307%
65	12.410	1751	1755	1761	rBV	1184586	1100223	86.46%	6.534%
66	12.557	1777	1780	1784	rBV2	35832	44492	3.50%	0.264%
67	12.633	1788	1793	1800	rBV	942901	1202697	94.51%	7.143%
68	12.692	1800	1803	1807	rVB4	42296	59592	4.68%	0.354%
69	12.780	1811	1818	1826	rVB	392318	504709	39.66%	2.997%
70	12.857	1826	1831	1835	rBV3	67414	108041	8.49%	0.642%
71	12.963	1842	1849	1854	rBV	172904	245446	19.29%	1.458%

LSC Area Percent Report

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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72	13.027	1857	1860	1864	rBV	135642	142733	11.22%	0.848%
73	13.069	1864	1867	1869	rBV	83726	88580	6.96%	0.526%
74	13.157	1879	1882	1885	rVB	60013	52809	4.15%	0.314%
75	13.192	1885	1888	1891	rBV	60859	72641	5.71%	0.431%
76	13.363	1915	1917	1919	rBV3	23331	20965	1.65%	0.125%
77	13.451	1928	1932	1934	rBV3	32621	48736	3.83%	0.289%
78	13.580	1951	1954	1956	rBV	70599	70653	5.55%	0.420%
79	13.604	1956	1958	1960	rVV	51405	43677	3.43%	0.259%
80	13.627	1960	1962	1964	rVV	31128	26554	2.09%	0.158%
81	13.680	1969	1971	1974	rVB	47800	51138	4.02%	0.304%
82	13.827	1989	1996	1999	rBV2	807098	1272552	100.00%	7.558%
83	13.857	1999	2001	2008	rVB	466882	479641	37.69%	2.849%
84	13.933	2011	2014	2019	rVB	96751	99757	7.84%	0.592%
85	14.216	2060	2062	2065	rVB	85302	70821	5.57%	0.421%
86	14.839	2163	2168	2177	rBV	374313	771162	60.60%	4.580%
87	14.933	2182	2184	2188	rVV	55849	61173	4.81%	0.363%
88	15.115	2211	2215	2220	rVB	176098	235527	18.51%	1.399%
89	15.174	2221	2225	2230	rBV	294286	373962	29.39%	2.221%
90	15.227	2231	2234	2238	rBV	316109	437673	34.39%	2.599%
91	16.580	2460	2464	2470	rVB	87648	154130	12.11%	0.915%
92	16.980	2529	2532	2543	rVB	62956	136838	10.75%	0.813%

Sum of corrected areas: 16838058

LSC Report - Integrated Chromatogram

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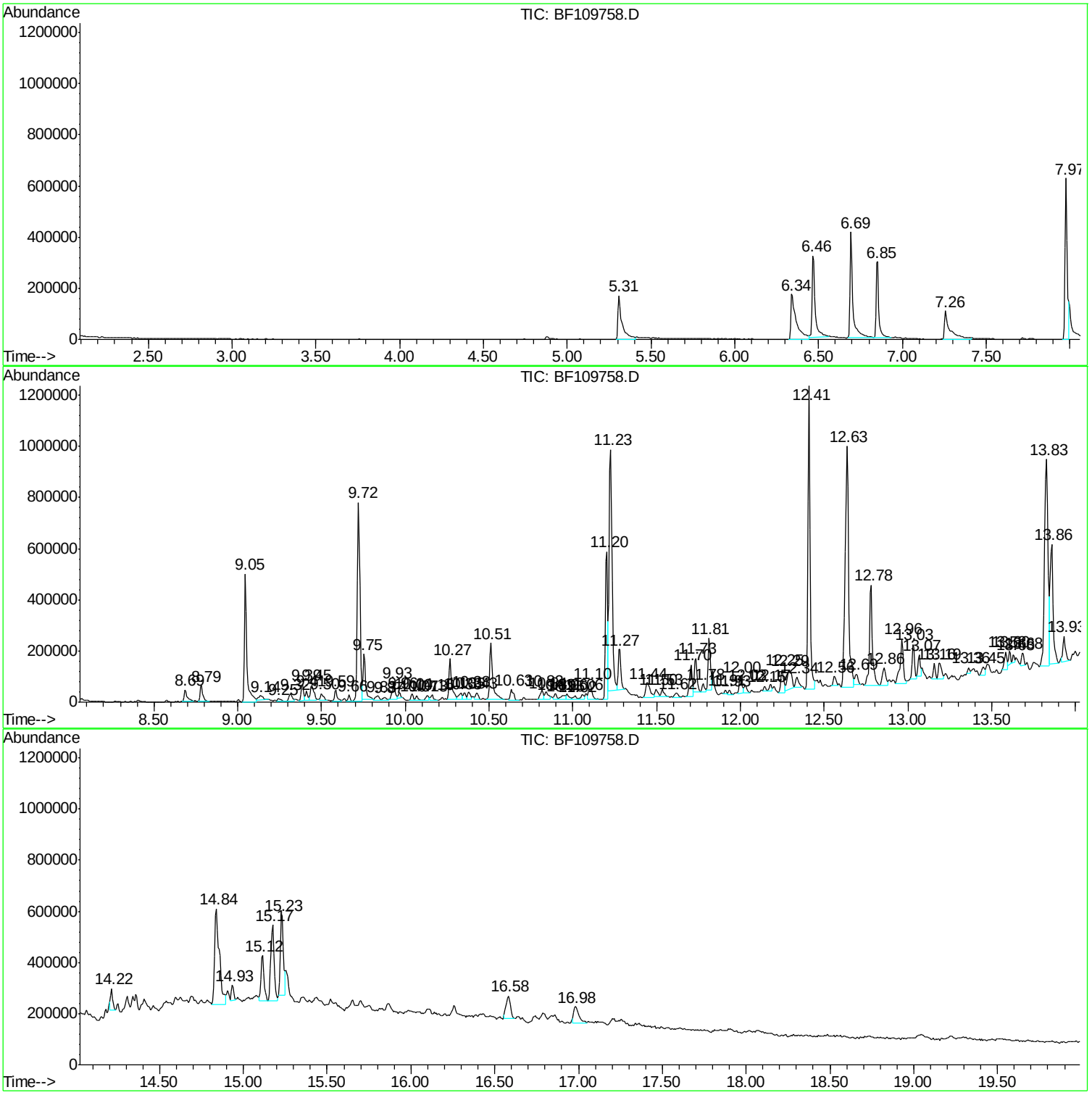
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\
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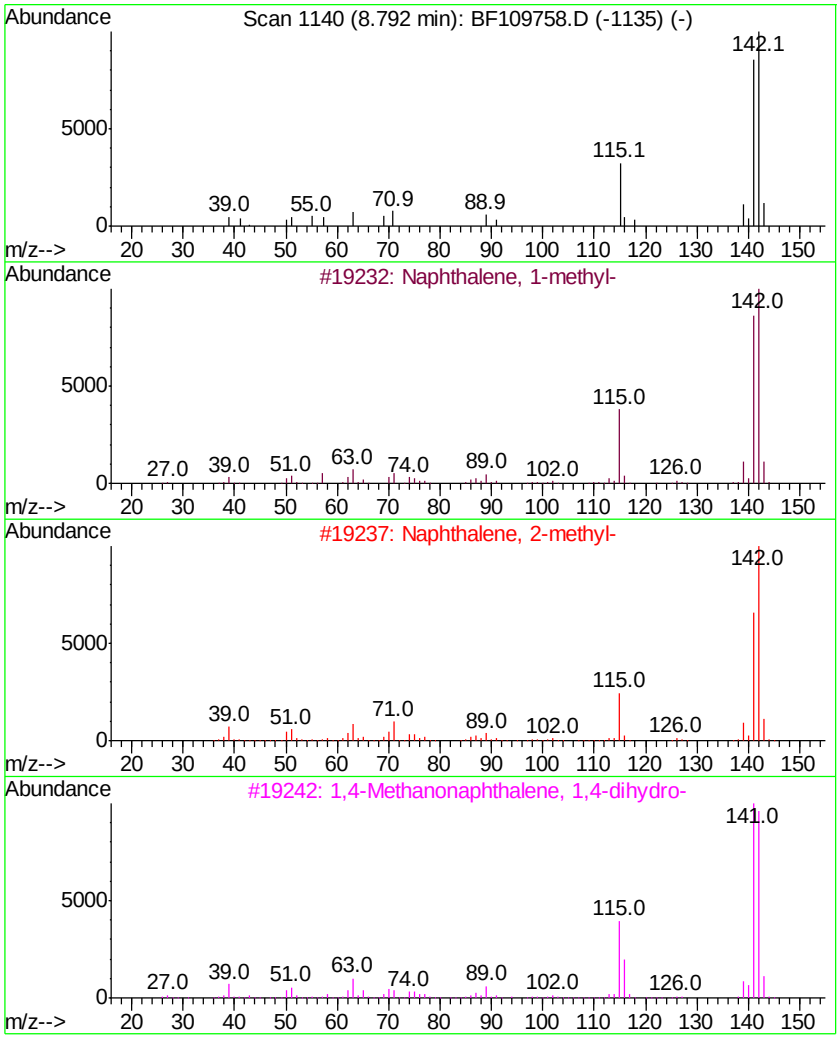
TIC Integration Parameters: LSCINT.P

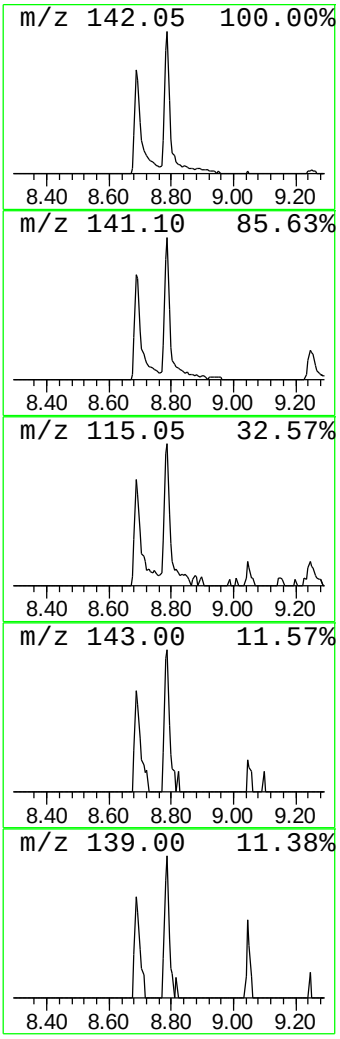
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	2.16 ng	65764	Naphthalene-d8	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	83
5	Benzocycloheptatriene	142	C11H10	000264-09-5	64





Library Search Compound Report

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Data File : BF109758.D
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Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

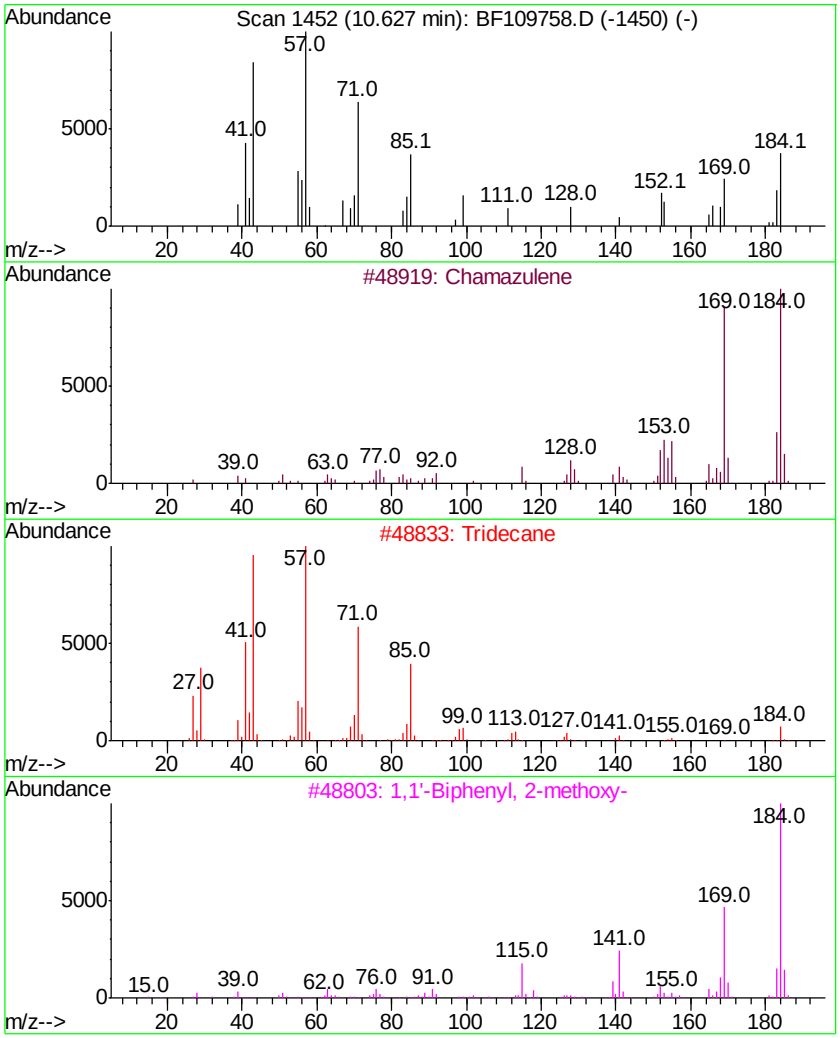
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

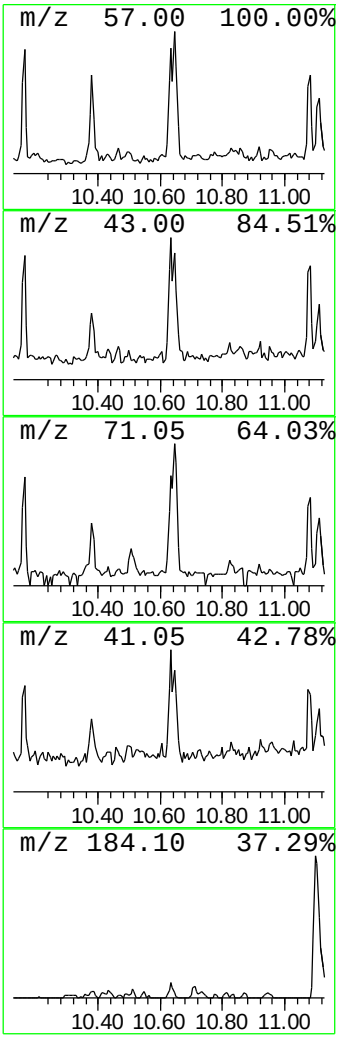
****

Peak Number 4 Chamazulene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	2.11 ng	59940	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	Tridecane	184	C13H28	000629-50-5	55
3	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	46
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	43
5	Dodecane	170	C12H26	000112-40-3	42





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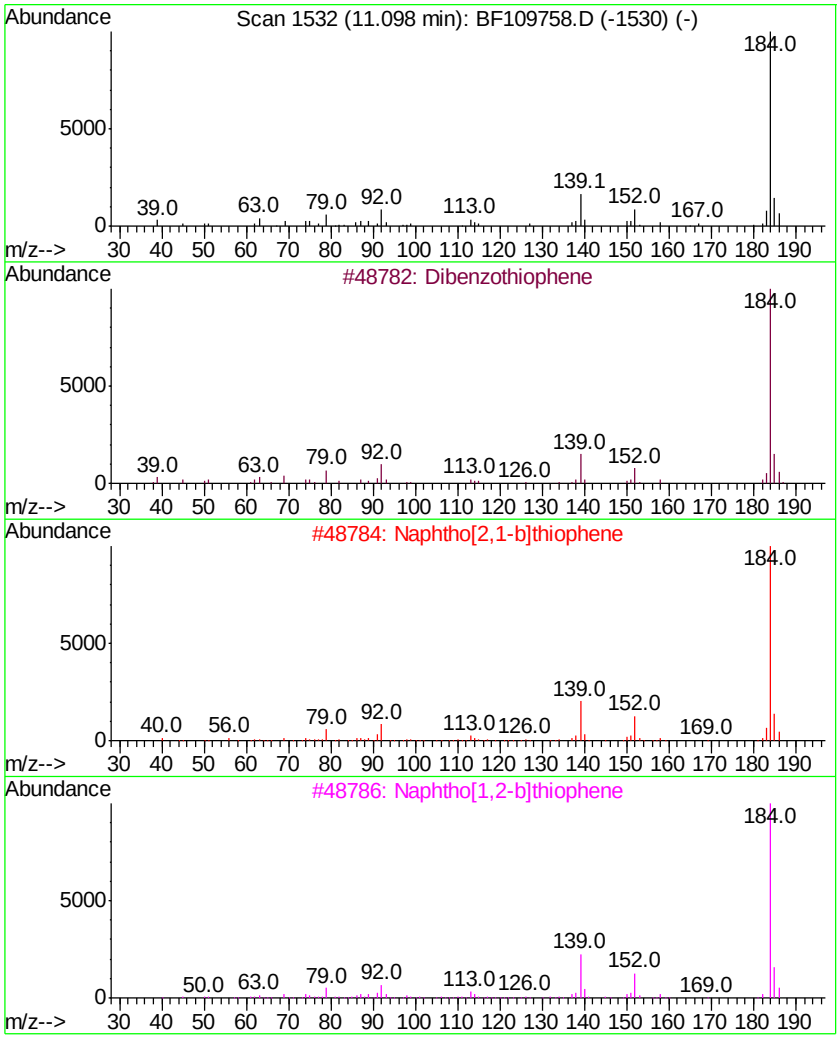
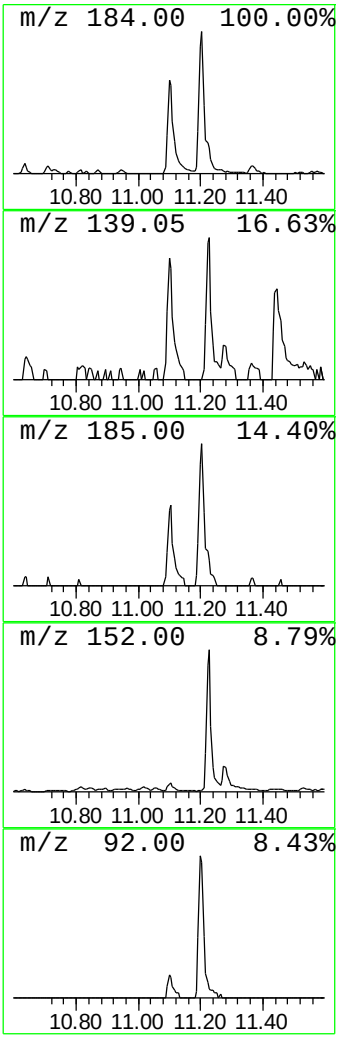
Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.15 ng	89458	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
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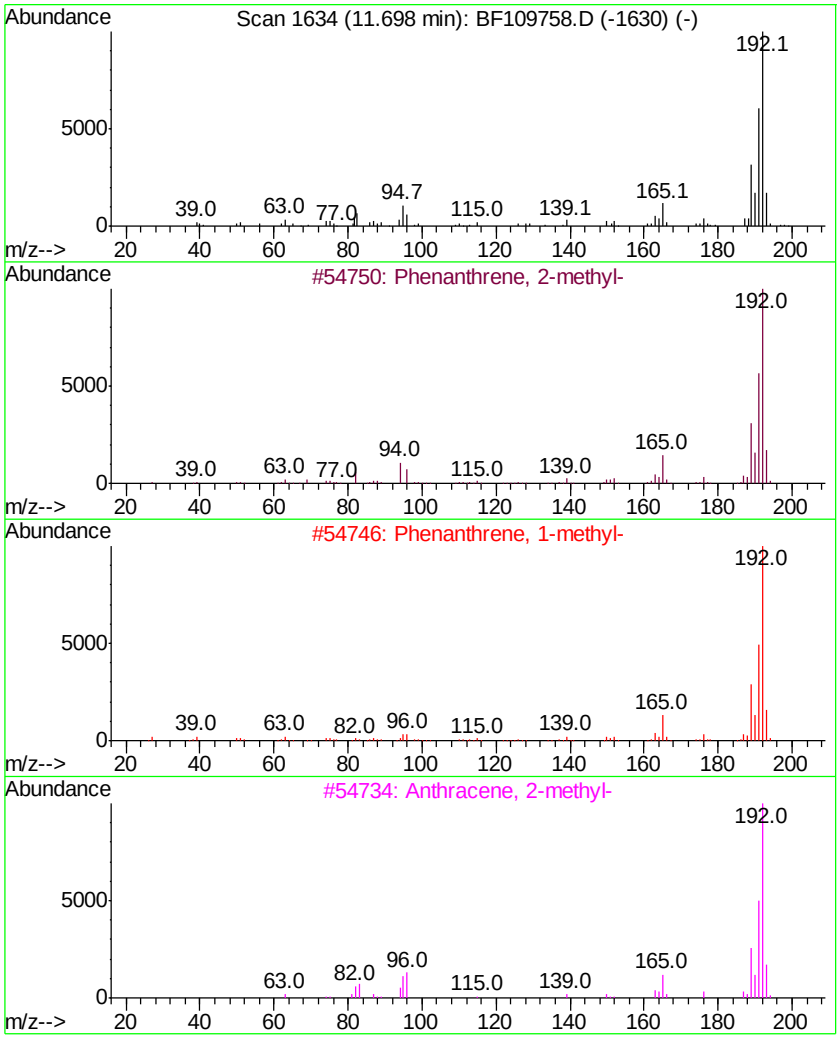
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

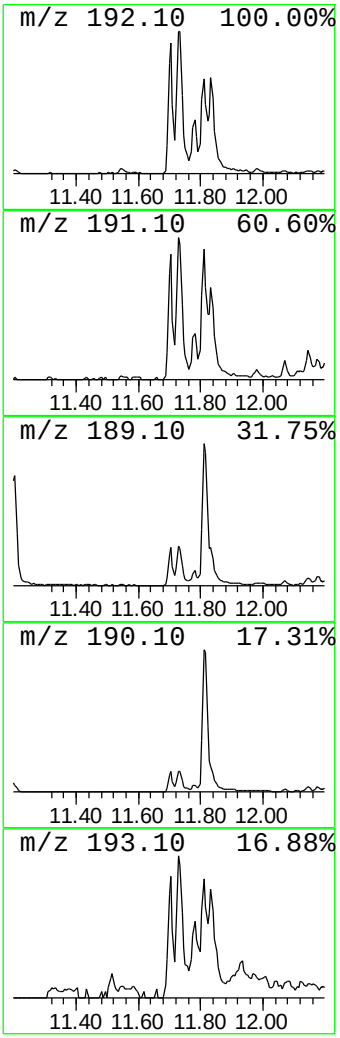
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	4.70 ng	133532	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

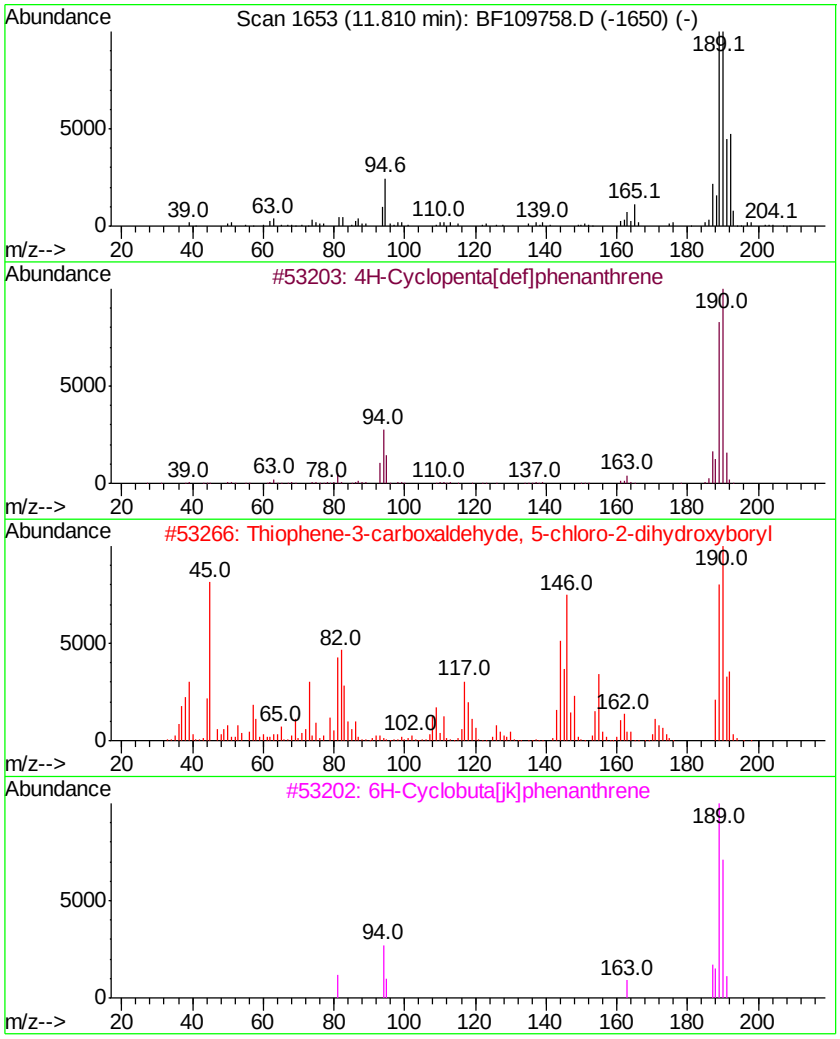
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

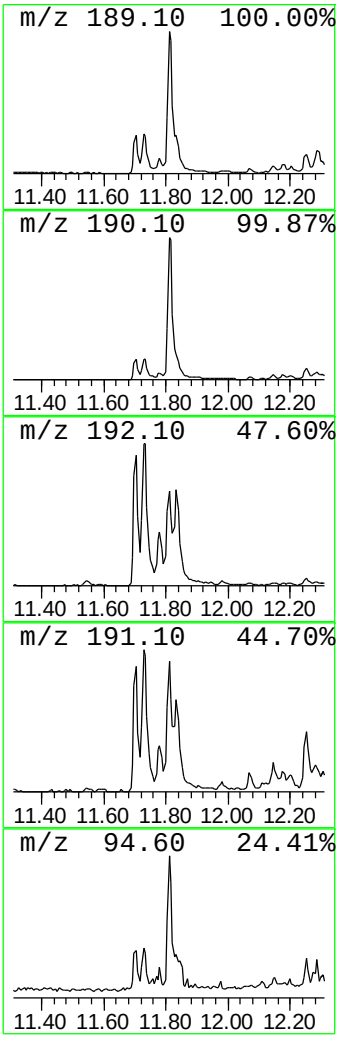
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	7.76 ng	220584	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	23





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

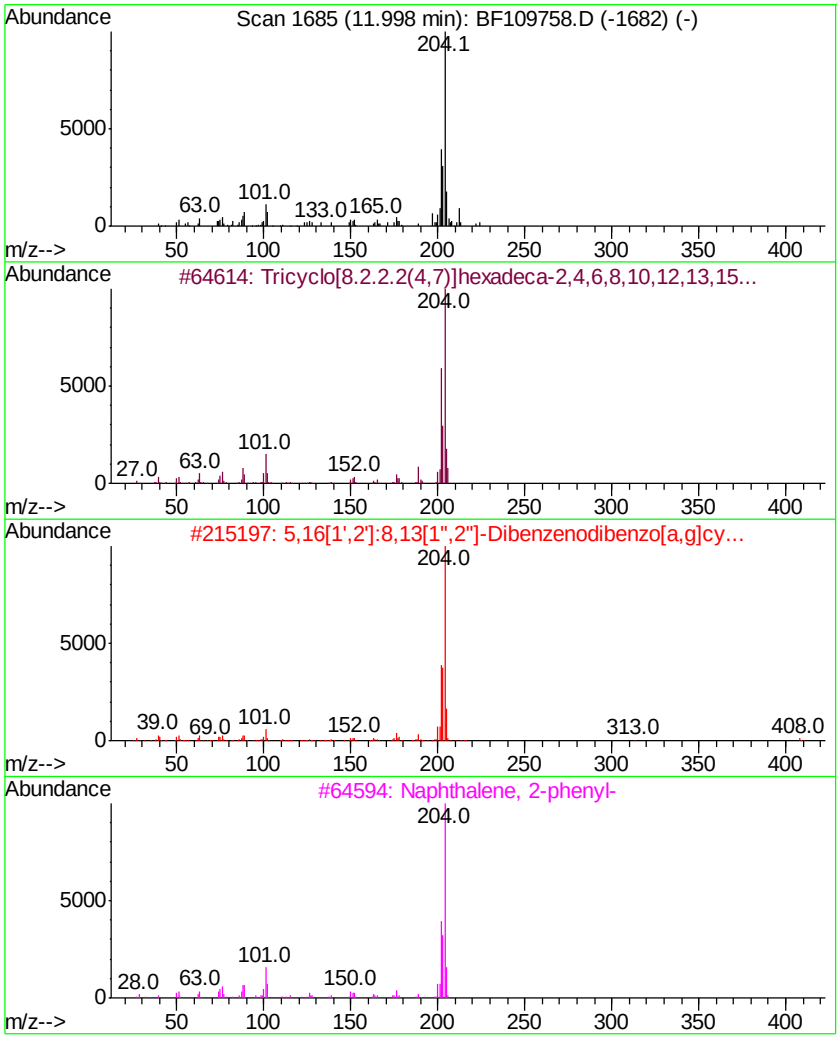
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

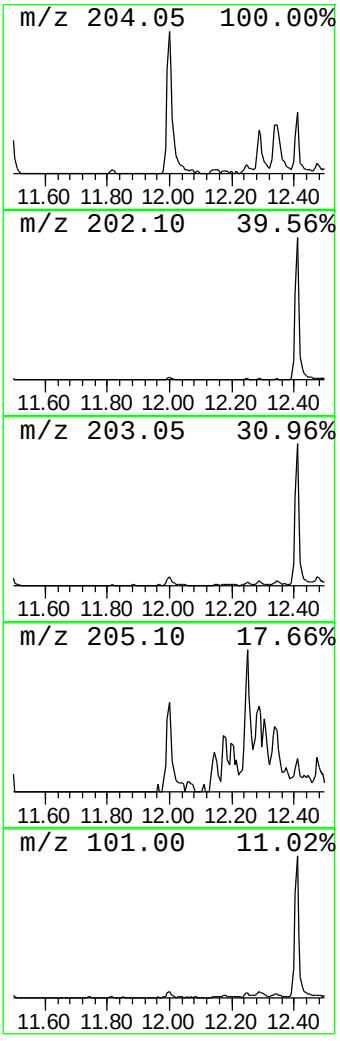
****

Peak Number 9 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.69 ng	76352	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53





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Data File : BF109758.D
Acq On : 10 Oct 2018 22:37
Operator : JU/SJ
Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.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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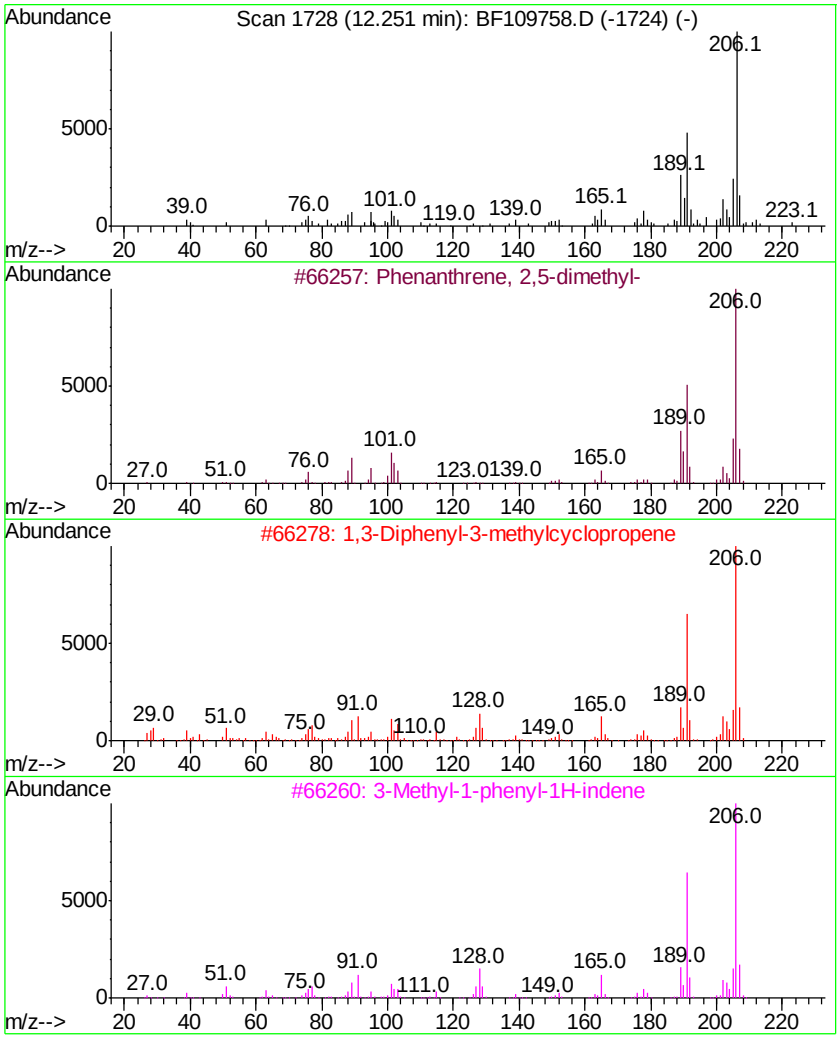
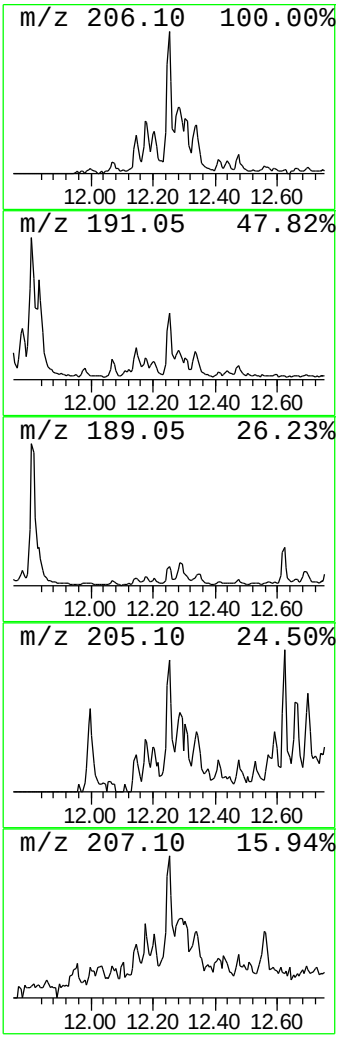
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.48 ng	98859	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	96
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
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TIC Integration Parameters: LSCINT.P

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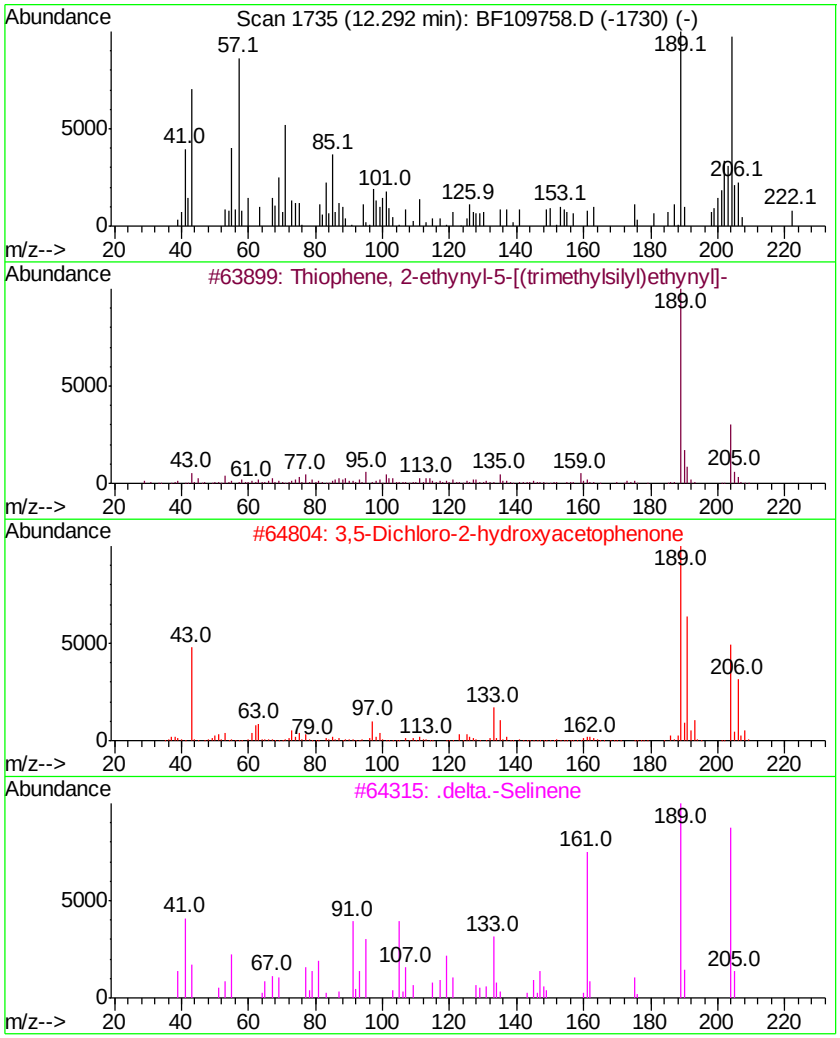
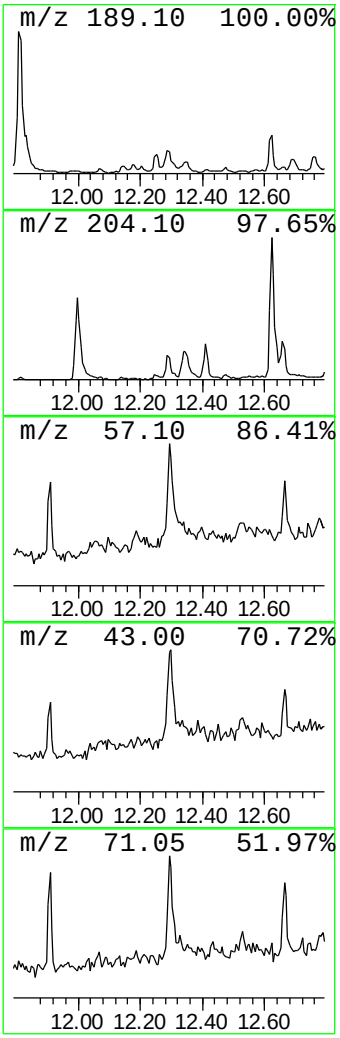
Peak Number 11 unknown12.29 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.31 ng	150798	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	47
2	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	43
3	.delta.-Selinene	204	C15H24	028624-23-9	38
4	Triethylenemelamine	204	C9H12N6	000051-18-3	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Operator : JU/SJ
Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
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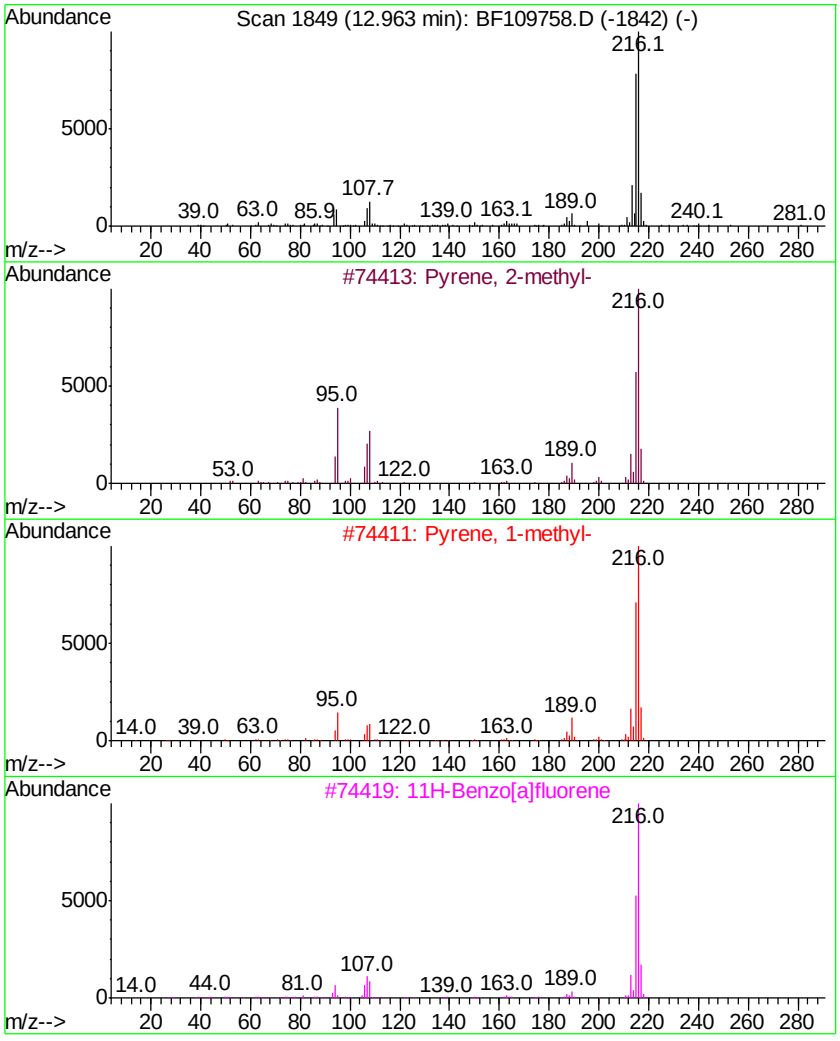
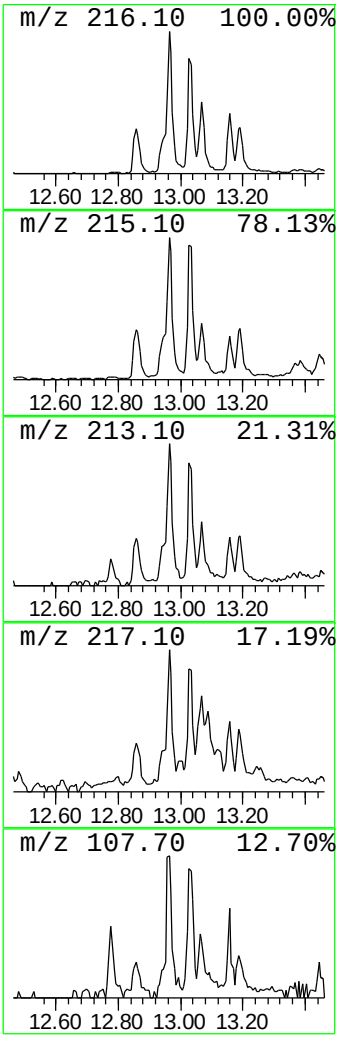
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.86 ng	245446	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Instrument : BNA_F
ClientSampleId : OR-03-100818-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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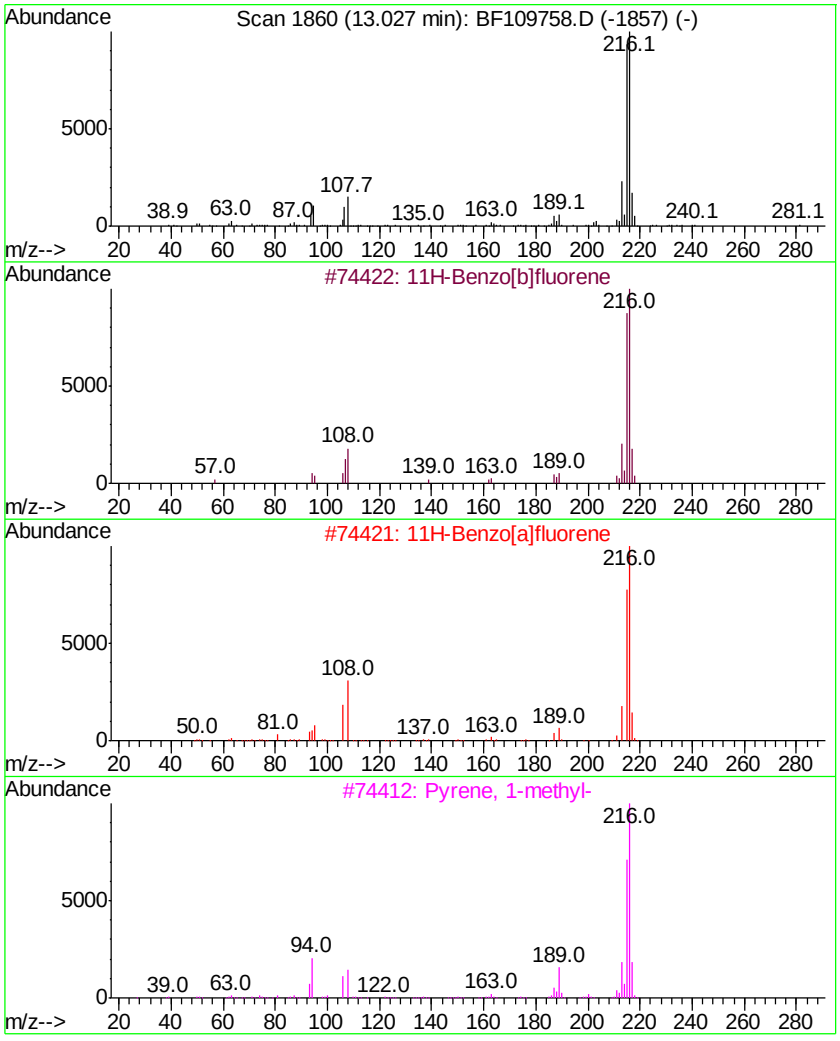
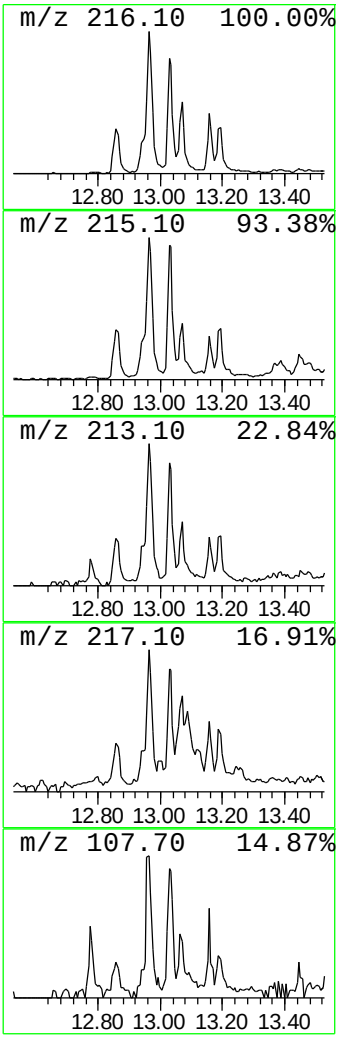
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.24 ng	142733	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

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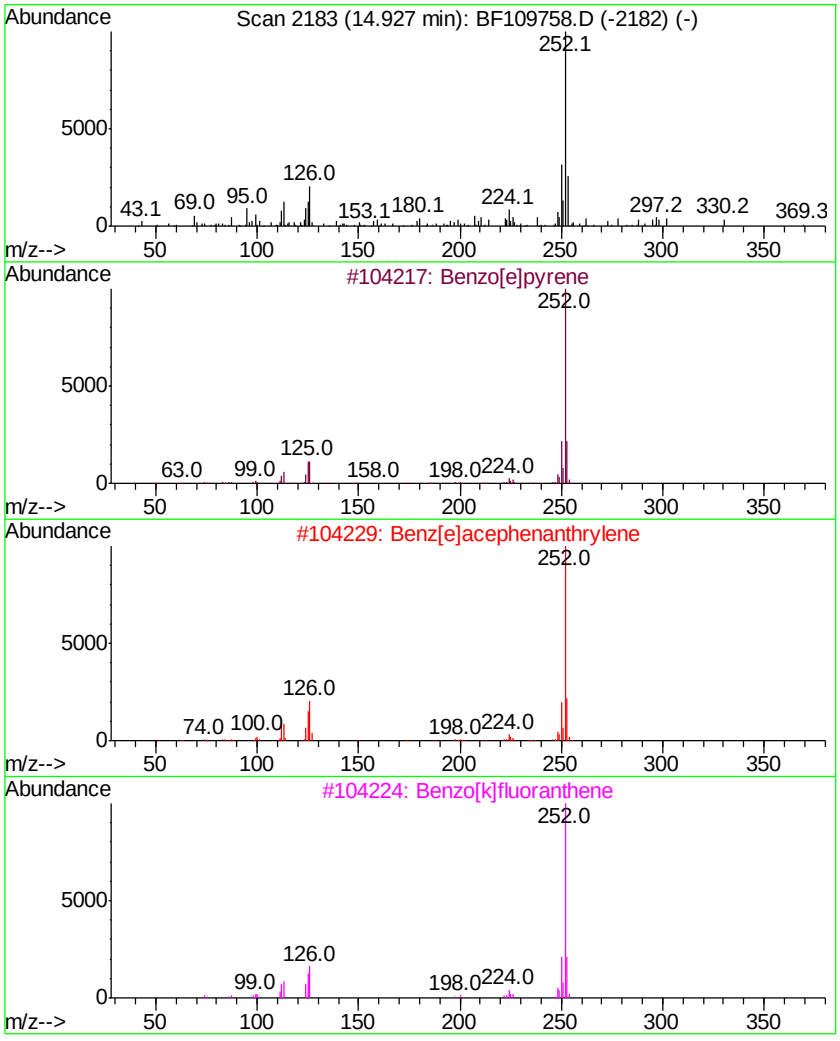
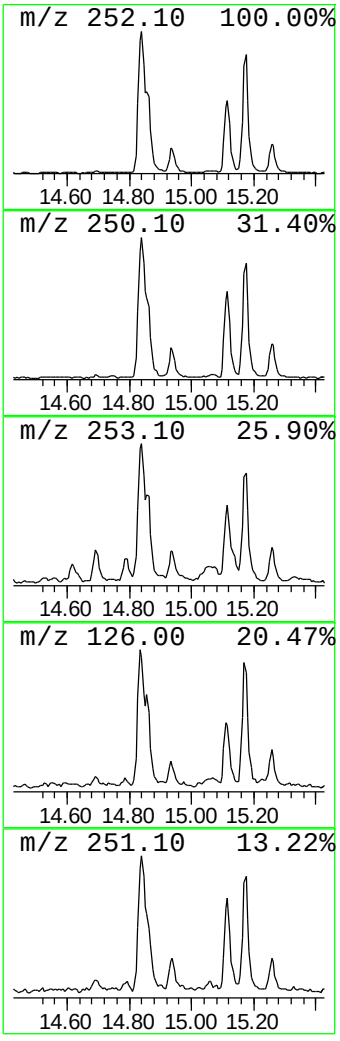
Peak Number 14 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	2.80 ng	61173	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Tentatively Identified Compound (LSC) summary

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	8.79	2.2	ng	65764	2	7.97	609892	20.0
Chamazulene	10.63	2.1	ng	59940	4	11.20	568427	20.0
Dibenzothiophene	11.10	3.1	ng	89458	4	11.20	568427	20.0
Phenanthrene, 2-m...	11.70	4.7	ng	133532	4	11.20	568427	20.0
4H-Cyclopenta[def...	11.81	7.8	ng	220584	4	11.20	568427	20.0
Tricyclo[8.2.2.2(...	12.00	2.7	ng	76352	4	11.20	568427	20.0
Phenanthrene, 2,5...	12.25	3.5	ng	98859	4	11.20	568427	20.0
unknown12.29	12.29	5.3	ng	150798	4	11.20	568427	20.0
Pyrene, 2-methyl-	12.96	3.9	ng	245446	5	13.83	1272550	20.0
11H-Benzo[b]fluorene	13.03	2.2	ng	142733	5	13.83	1272550	20.0
Benzo[e]pyrene	14.93	2.8	ng	61173	6	15.23	437673	20.0