LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107297.D
Acq On : 11 Jul 2018 13:59
Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

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-BF061918.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	5.166	477	481	493	rVB	178995	250470	14.30%	0.792%
2	5.572	546	550	562	rBV	1401179	1473099	84.08%	4.661%
3	6.584	717	722	730	rBV	1359982	1591363	90.83%	5.035%
4	6.707	739	743	747	rVV	1473212	1500523	85.64%	4.747%
5	6.754	747	751	757	rVB2	28695	37548	2.14%	0.119%
6	6.931	777	781	784	rBV	556737	481035	27.46%	1.522%
7	7.031	795	798	801	rBV	24876	25829	1.47%	0.082%
8	7.083	803	807	811	rVB	1247994	1225545	69.95%	3.877%
9	7.184	821	824	828	rBV2	31260	30132	1.72%	0.095%
10	7.248	832	835	838	rBV	22884	21953	1.25%	0.069%
11	7.501	872	878	881	rBV	1035531	1058279	60.40%	3.348%
12	8.213	995	999	1002	rBV	705254	594463	33.93%	1.881%
13	9.289	1177	1182	1185	rBV	1783735	1752052	100.00%	5.543%
14	9.395	1196	1200	1204	rVB	23612	21712	1.24%	0.069%
15	9.683	1243	1249	1255	rBV	465159	396764	22.65%	1.255%
16	9.842	1272	1276	1280	rBV	146334	137875	7.87%	0.436%
17	9.977	1295	1299	1303	rVV2	754400	646124	36.88%	2.044%
18	10.013	1303	1305	1310	rVB	27534	23202	1.32%	0.073%
19	10.183	1329	1334	1337	rBV3	23800	33357	1.90%	0.106%
20	10.383	1360	1368	1371	rBV	29905	32648	1.86%	0.103%
21	10.530	1389	1393	1399	rVB2	27158	31098	1.77%	0.098%
22	10.601	1399	1405	1409	rBV7	12258	22924	1.31%	0.073%
23	10.777	1431	1435	1440	rBV	1142776	1071680	61.17%	3.391%
24	10.860	1447	1449	1453	rVB2	18440	21149	1.21%	0.067%
25	11.077	1480	1486	1488	rBV5	20101	29717	1.70%	0.094%
26	11.224	1509	1511	1517	rVB3	17795	23928	1.37%	0.076%
27	11.283	1517	1521	1523	rBV	47689	41333	2.36%	0.131%
28	11.307	1523	1525	1528	rBV2	19002	19629	1.12%	0.062%
29	11.371	1533	1536	1539	rVB	28841	23507	1.34%	0.074%
30	11.477	1550	1554	1556	rBV	693747	652003	37.21%	2.063%
31	11.501	1556	1558	1561	rVV	639730	471764	26.93%	1.493%
32	11.554	1563	1567	1571	rVV	139182	135344	7.72%	0.428%
33	11.589	1571	1573	1577	rVB2	21994	21362	1.22%	0.068%
34	11.713	1589	1594	1596	rBV2	74359	76267	4.35%	0.241%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.736	1596	1598	1601	rVV	29917	24975	1.43%	0.079%
36	11.766	1601	1603	1605	rVV	27546	20796	1.19%	0.066%
37	11.813	1608	1611	1614	rVV2	22924	24527	1.40%	0.078%
38	11.977	1636	1639	1642	rBV	129553	144232	8.23%	0.456%
39	12.007	1642	1644	1647	rVB	147924	115361	6.58%	0.365%
40	12.054	1649	1652	1655	rVB	46522	39067	2.23%	0.124%
41	12.089	1655	1658	1661	rBV2	146704	177596	10.14%	0.562%
42	12.148	1665	1668	1669	rBV	22125	18658	1.06%	0.059%
43	12.271	1686	1689	1692	rBV	107492	86094	4.91%	0.272%
44	12.313	1693	1696	1699	rVB	82071	72442	4.13%	0.229%
45	12.424	1712	1715	1718	rVB2	27662	27327	1.56%	0.086%
46	12.454	1718	1720	1722	rVB	37746	27017	1.54%	0.085%
47	12.477	1722	1724	1726	rBV2	44581	33309	1.90%	0.105%
48	12.530	1729	1733	1736	rBV2	102524	109173	6.23%	0.345%
49	12.571	1736	1740	1742	rVV2	48183	64909	3.70%	0.205%
50	12.630	1745	1750	1757	rBV2	98422	126789	7.24%	0.401%
51	12.701	1757	1762	1765	rBV	1343652	1296183	73.98%	4.101%
52	12.736	1765	1768	1770	rVV	25467	24170	1.38%	0.076%
53	12.760	1770	1772	1775	rVV2	39056	37164	2.12%	0.118%
54	12.795	1775	1778	1781	rVV	96064	84569	4.83%	0.268%
55	12.848	1785	1787	1789	rVV2	68122	67491	3.85%	0.214%
56	12.871	1789	1791	1794	rVV	41049	39997	2.28%	0.127%
57	12.907	1794	1797	1799	rVV2	217655	252338	14.40%	0.798%
58	12.936	1799	1802	1805	rVV	1246013	1181225	67.42%	3.737%
59	12.977	1806	1809	1813	rVB2	74117	81942	4.68%	0.259%
60	13.065	1818	1824	1826	rVV	1444814	1513381	86.38%	4.788%
61	13.095	1826	1829	1833	rVB	85629	93616	5.34%	0.296%
62	13.136	1833	1836	1843	rBV3	112452	228169	13.02%	0.722%
63	13.236	1849	1853	1854	rBV2	94599	122561	7.00%	0.388%
64	13.260	1854	1857	1860	rVB2	170807	186532	10.65%	0.590%
65	13.324	1865	1868	1870	rBV	90593	70893	4.05%	0.224%
66	13.365	1870	1875	1878	rBV2	109969	142236	8.12%	0.450%
67	13.460	1888	1891	1893	rVB	67103	58137	3.32%	0.184%
68	13.489	1893	1896	1899	rBV2	78168	70320	4.01%	0.222%
69	13.554	1904	1907	1909	rBV3	66282	60402	3.45%	0.191%
70	13.607	1914	1916	1918	rBV	45818	35360	2.02%	0.112%
71	13.777	1941	1945	1948	rBV	201368	180737	10.32%	0.572%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.883	1960	1963	1965	rBV	180661	156706	8.94%	0.496%
73	13.907	1965	1967	1969	rVV	156368	121325	6.92%	0.384%
74	13.942	1969	1973	1978	rVV3	220704	318438	18.18%	1.007%
75	13.989	1978	1981	1984	rVB	160285	142466	8.13%	0.451%
76	14.083	1993	1997	2000	rBV	1076795	912437	52.08%	2.887%
77	14.136	2000	2006	2009	rBV2	939653	1569033	89.55%	4.964%
78	14.165	2009	2011	2018	rVB	807647	707187	40.36%	2.237%
79	14.248	2022	2025	2030	rBV2	145372	184462	10.53%	0.584%
80	14.295	2030	2033	2034	rBV	94151	95164	5.43%	0.301%
81	14.365	2042	2045	2049	rVB3	106908	144329	8.24%	0.457%
82	14.530	2071	2073	2075	rVB	150633	112935	6.45%	0.357%
83	14.565	2076	2079	2083	rBV3	107286	127514	7.28%	0.403%
84	14.630	2088	2090	2093	rVB	53897	43612	2.49%	0.138%
85	14.659	2093	2095	2097	rBV	87158	78584	4.49%	0.249%
86	14.965	2144	2147	2151	rVB2	125235	144284	8.24%	0.456%
87	15.054	2159	2162	2165	rVB2	114785	122716	7.00%	0.388%
88	15.230	2187	2192	2199	rBV	765053	1636303	93.39%	5.177%
89	15.342	2207	2211	2215	rBV	211511	233239	13.31%	0.738%
90	15.554	2243	2247	2254	rVV	452639	605188	34.54%	1.915%
91	15.624	2254	2259	2265	rVV	670218	956300	54.58%	3.026%
92	15.689	2265	2270	2273	rVV	462747	639872	36.52%	2.024%
93	15.718	2273	2275	2281	rVB	245369	317801	18.14%	1.005%
94	17.283	2533	2541	2547	rVB	319894	687553	39.24%	2.175%
95	17.459	2567	2571	2576	rVB	77142	134014	7.65%	0.424%
96	17.771	2617	2624	2633	rBV	223610	500265	28.55%	1.583%

Sum of corrected areas: 31607100

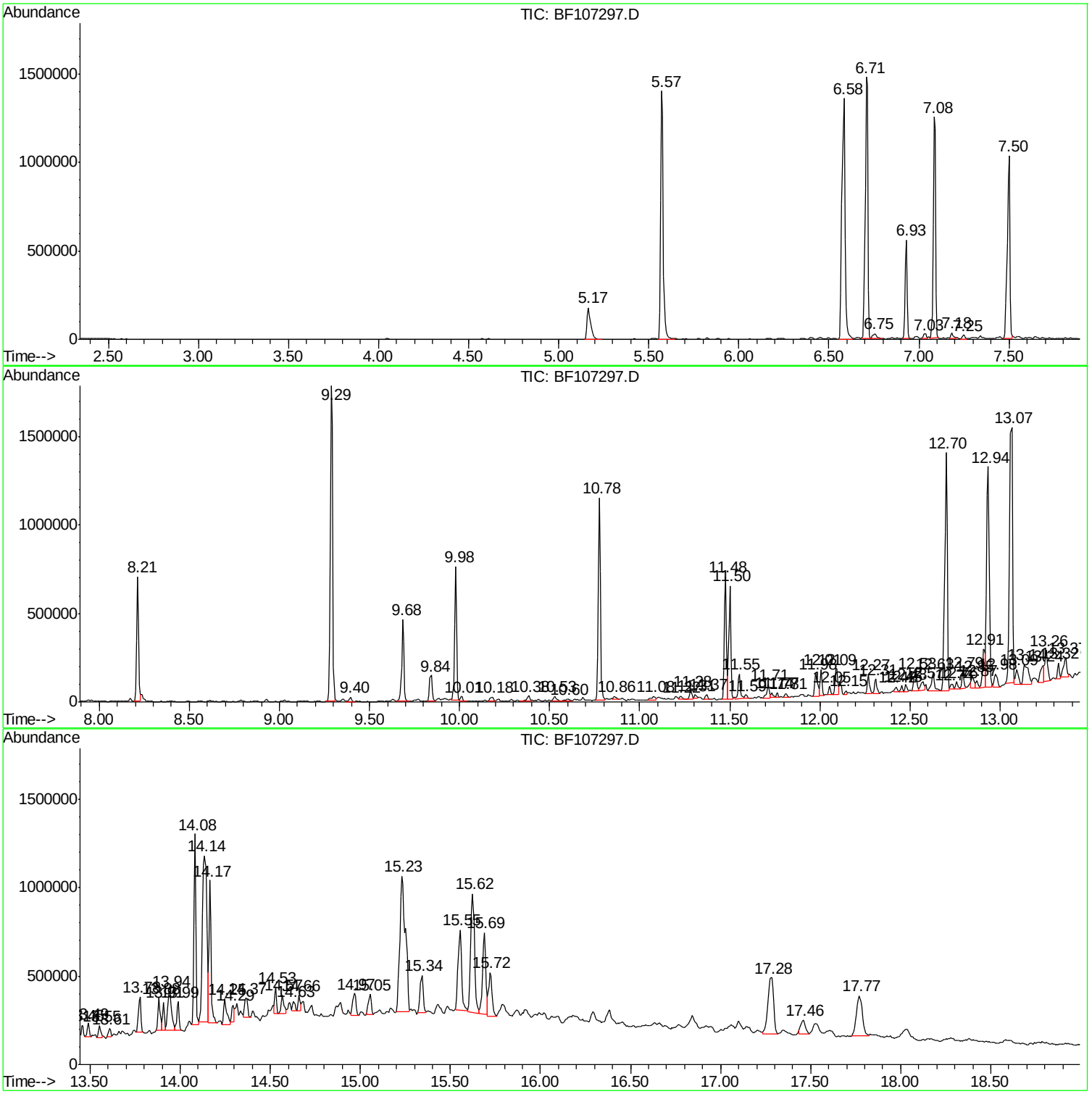
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107297.D
Acq On : 11 Jul 2018 13:59
Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF071118\
Data File : BF107297.D
Acq On : 11 Jul 2018 13:59
Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

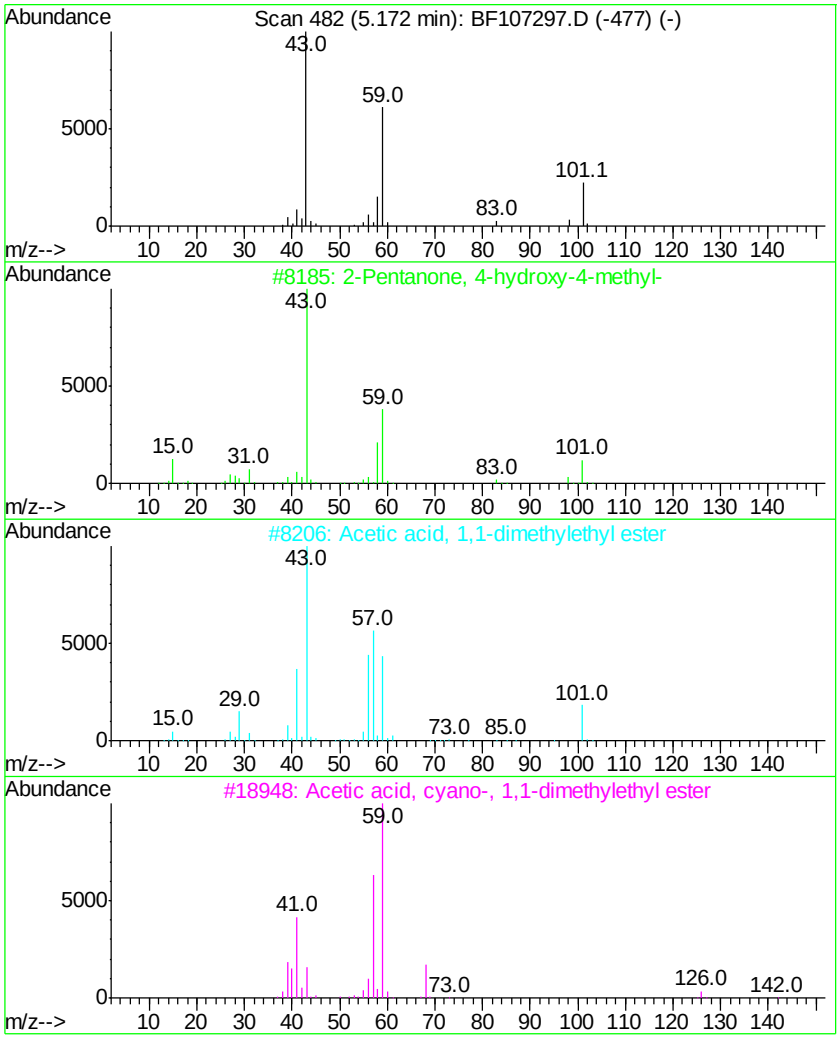
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

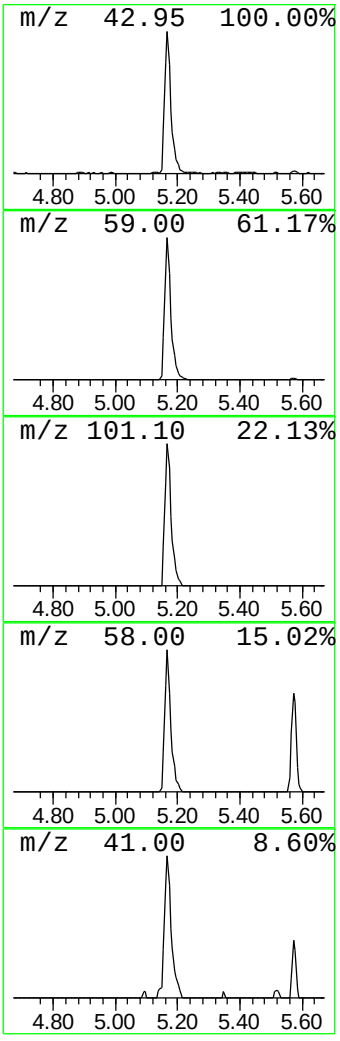
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	10.41 ng	250470	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
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Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

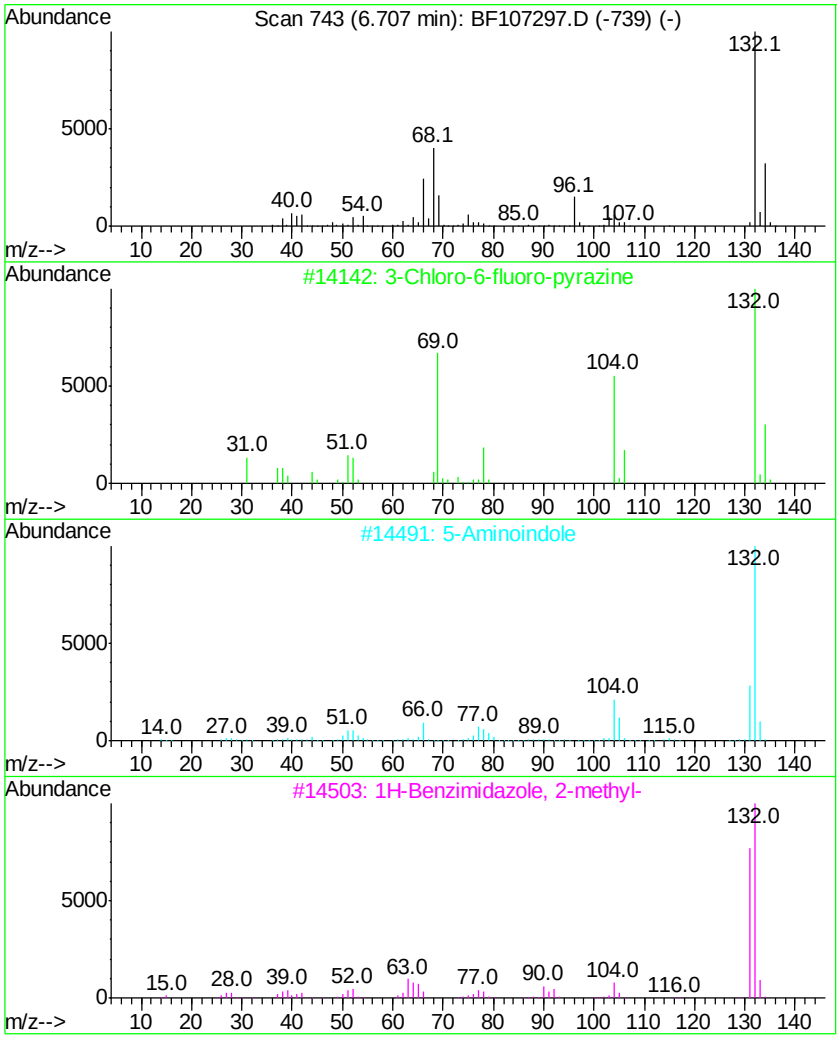
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

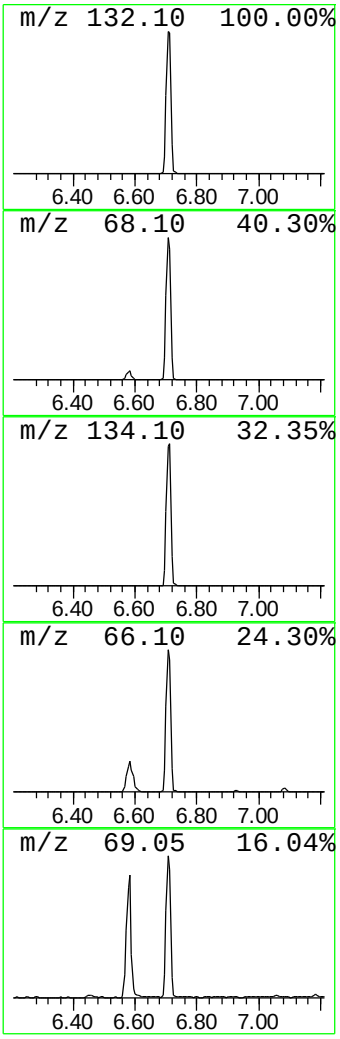
****

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	62.39 ng	1500520	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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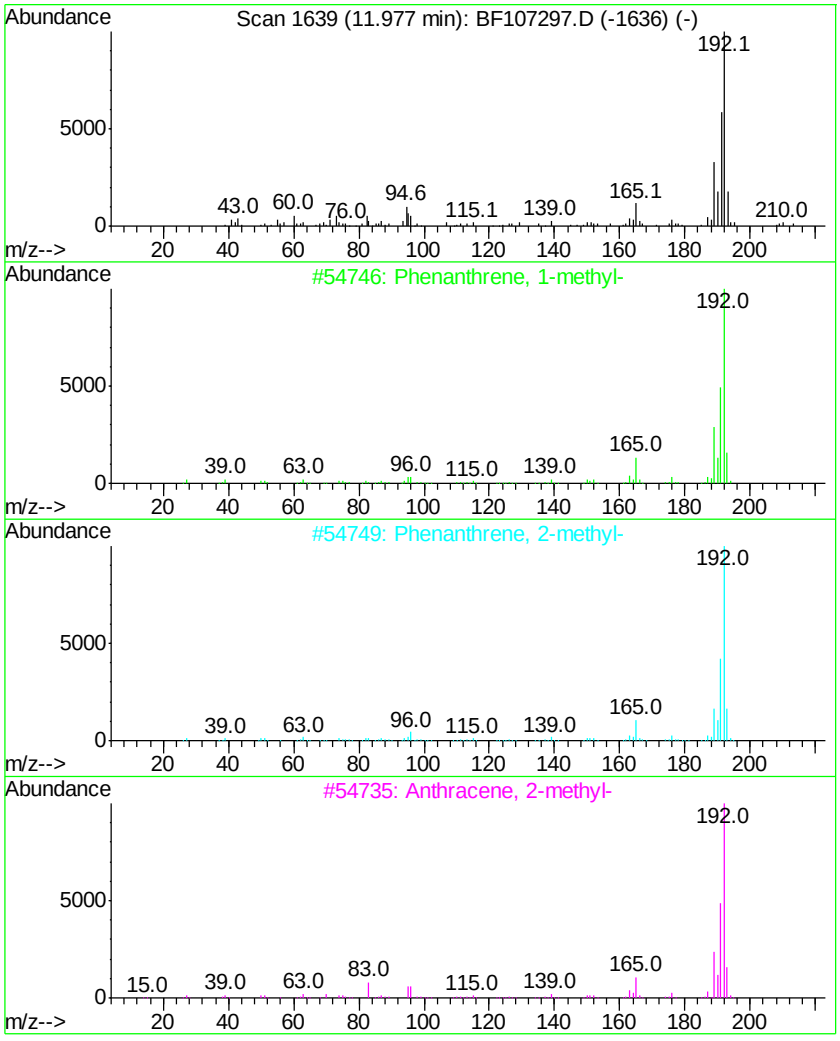
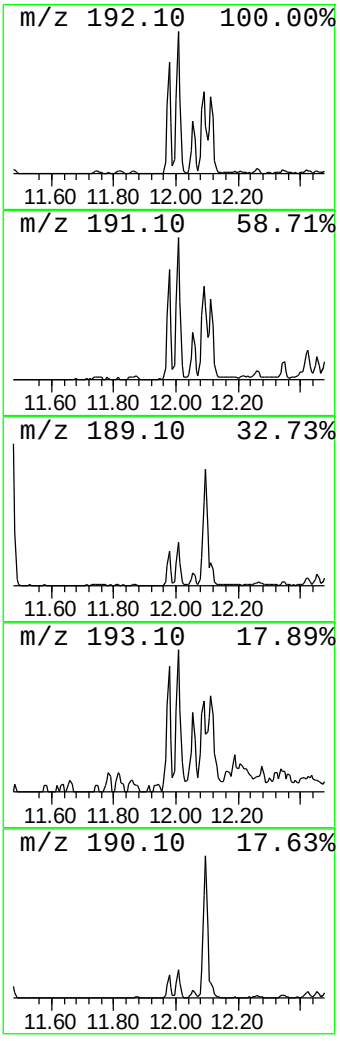
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	4.42 ng	144232	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

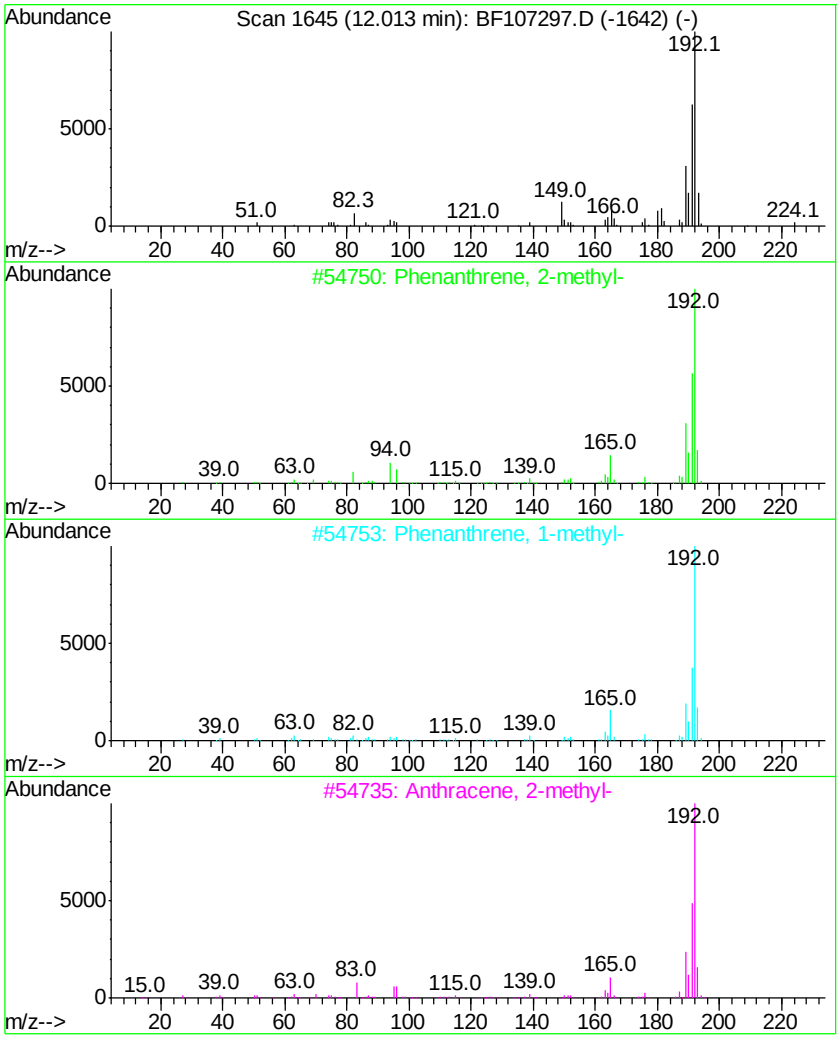
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

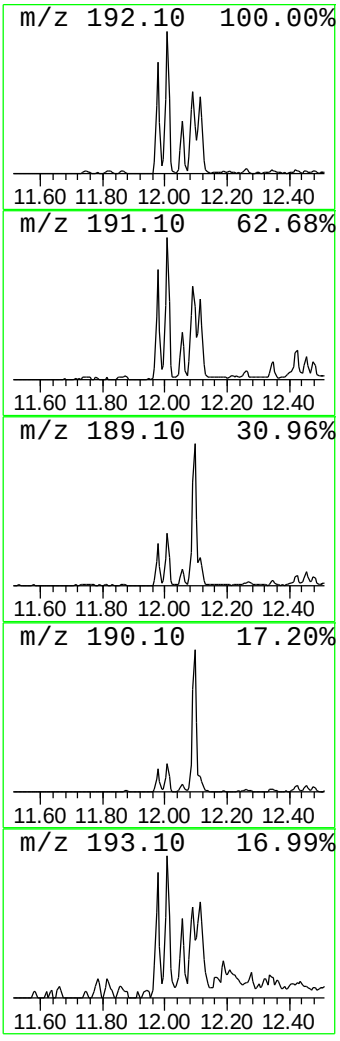
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.54 ng	115361	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Library Search Compound Report

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Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

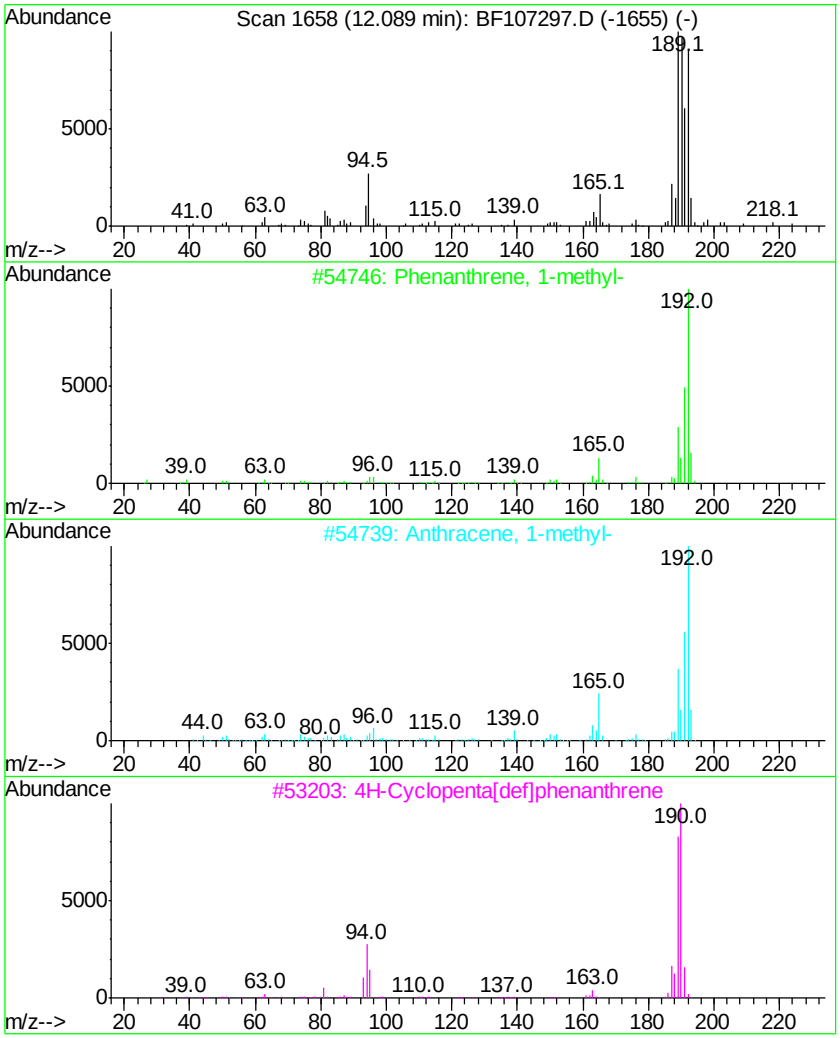
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

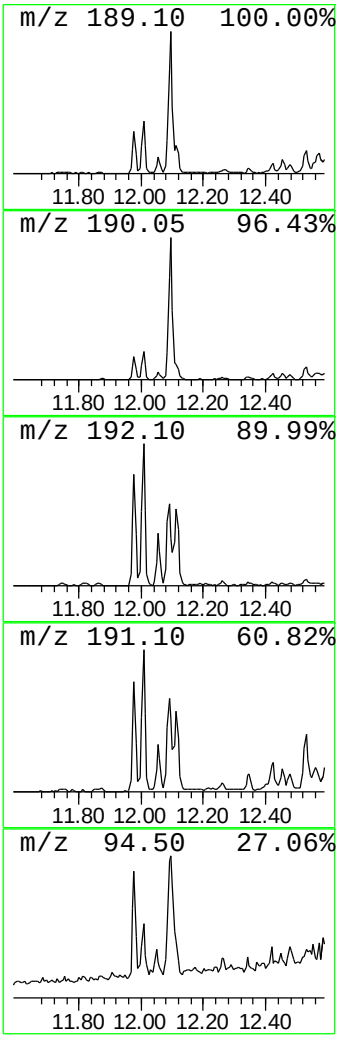
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	5.45 ng	177596	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107297.D
Acq On : 11 Jul 2018 13:59
Operator : JU/SJ
Sample : J3933-12
Misc :
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Instrument : BNA_F
ClientSampleId : EP-12-W1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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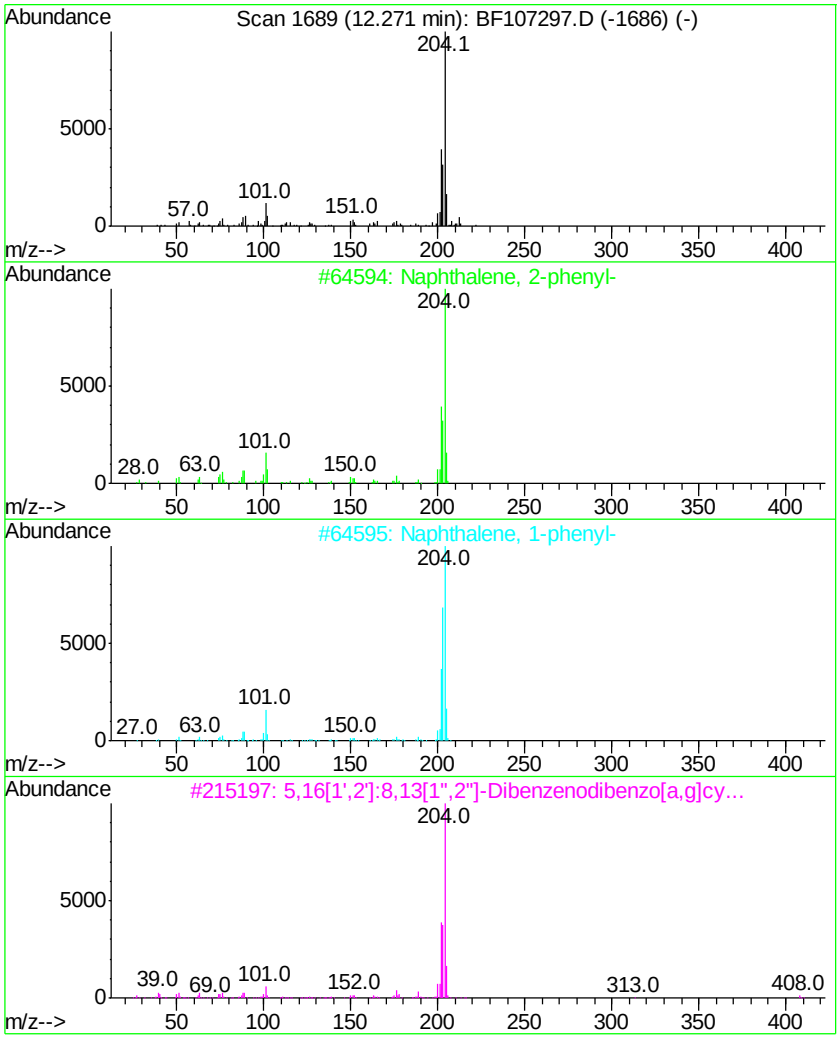
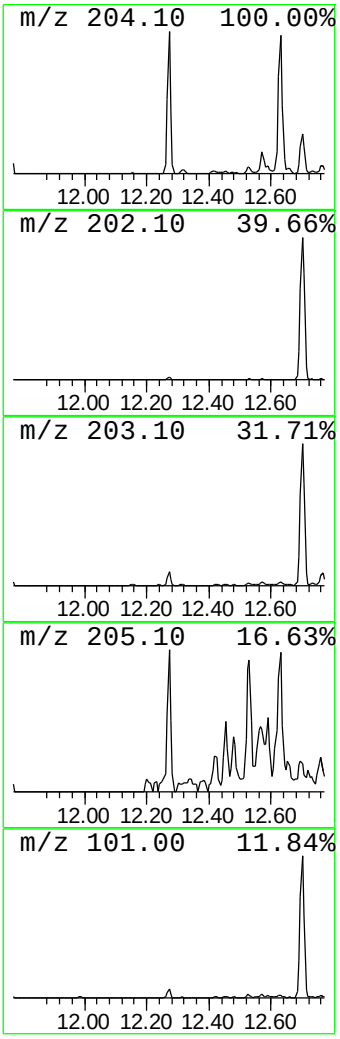
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.64 ng	86094	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

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TIC Library : C:\DATABASE\NIST11.L
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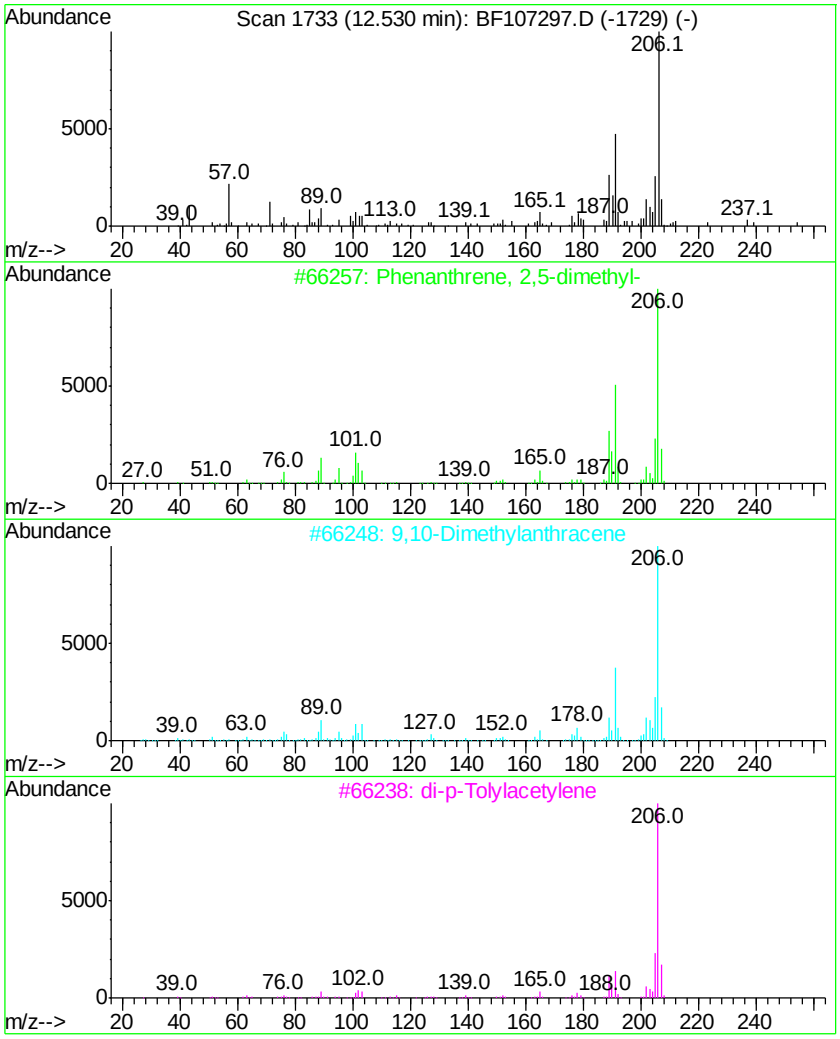
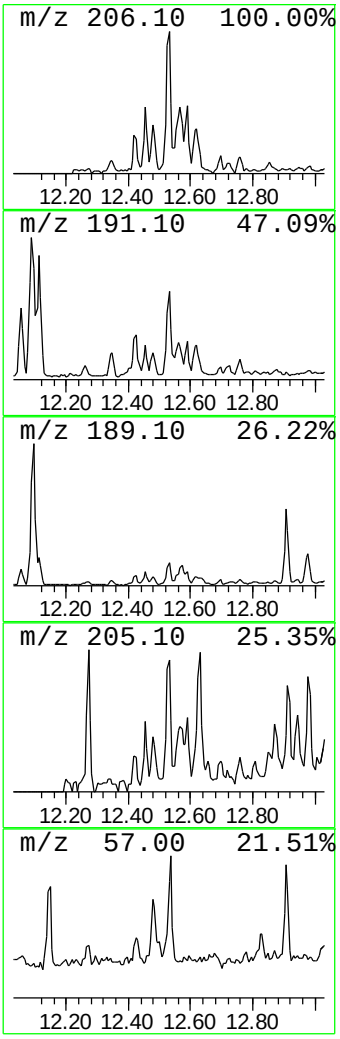
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.35 ng	109173	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-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	74
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72





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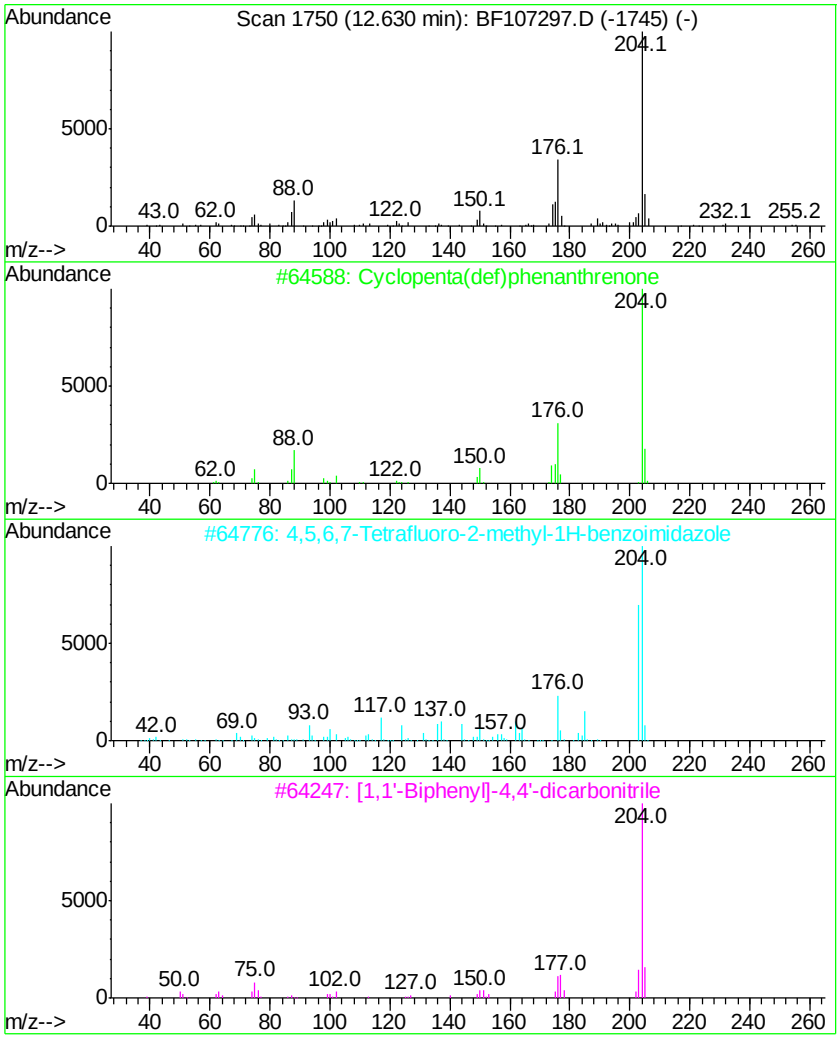
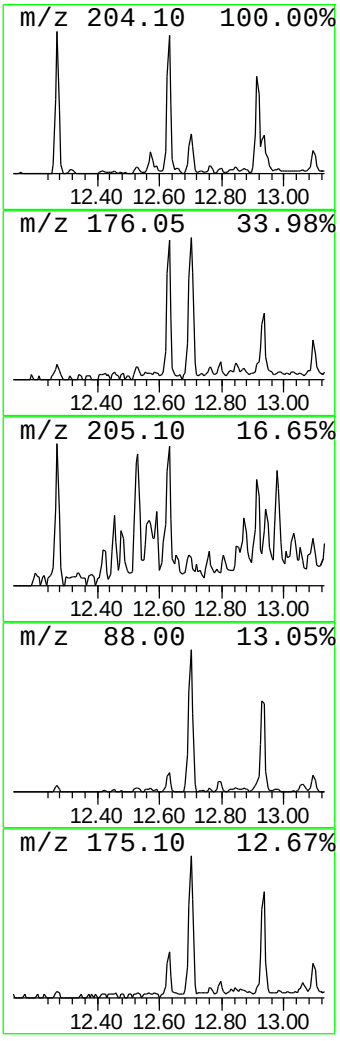
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.89 ng	126789	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	50





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ClientSampleId : EP-12-W1

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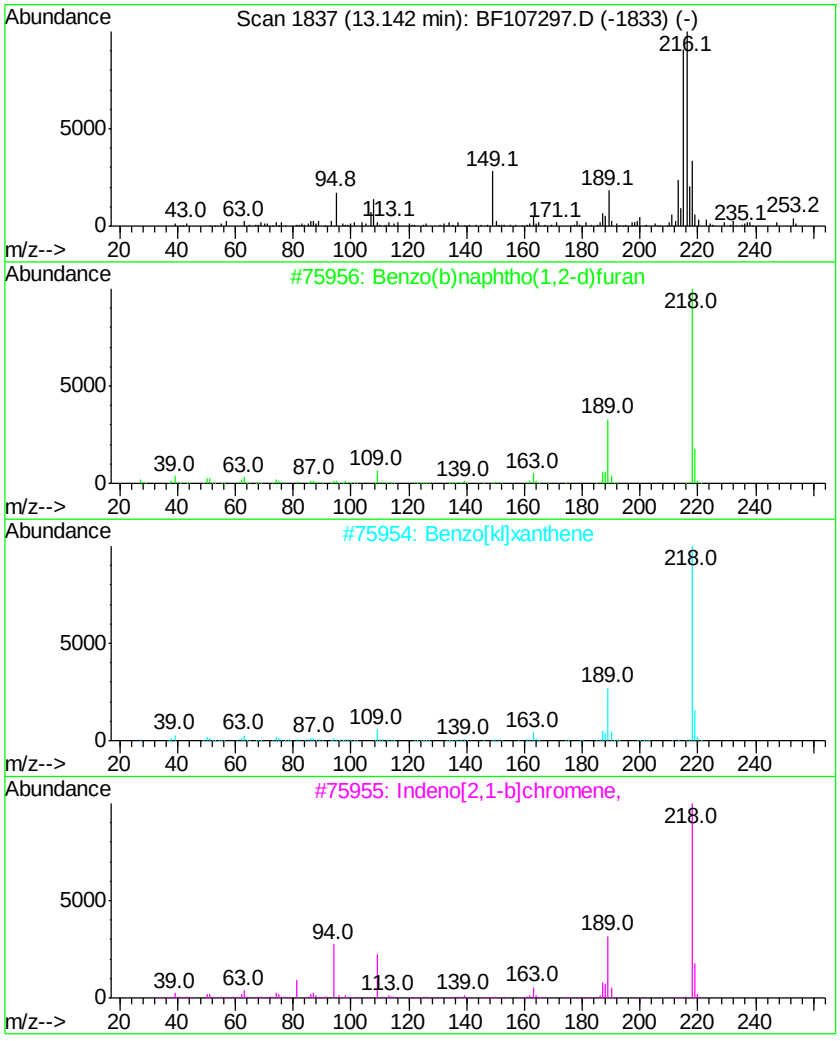
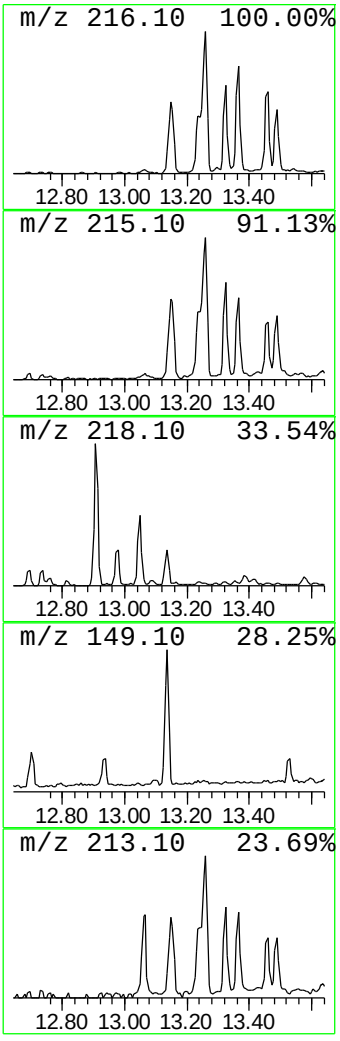
Peak Number 11 Benzo(b)naphtho(1,2-d)furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.91 ng	228169	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	74
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	70
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	51
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	38
5	1-Hydroxypyrene	218	C16H10O	005315-79-7	27





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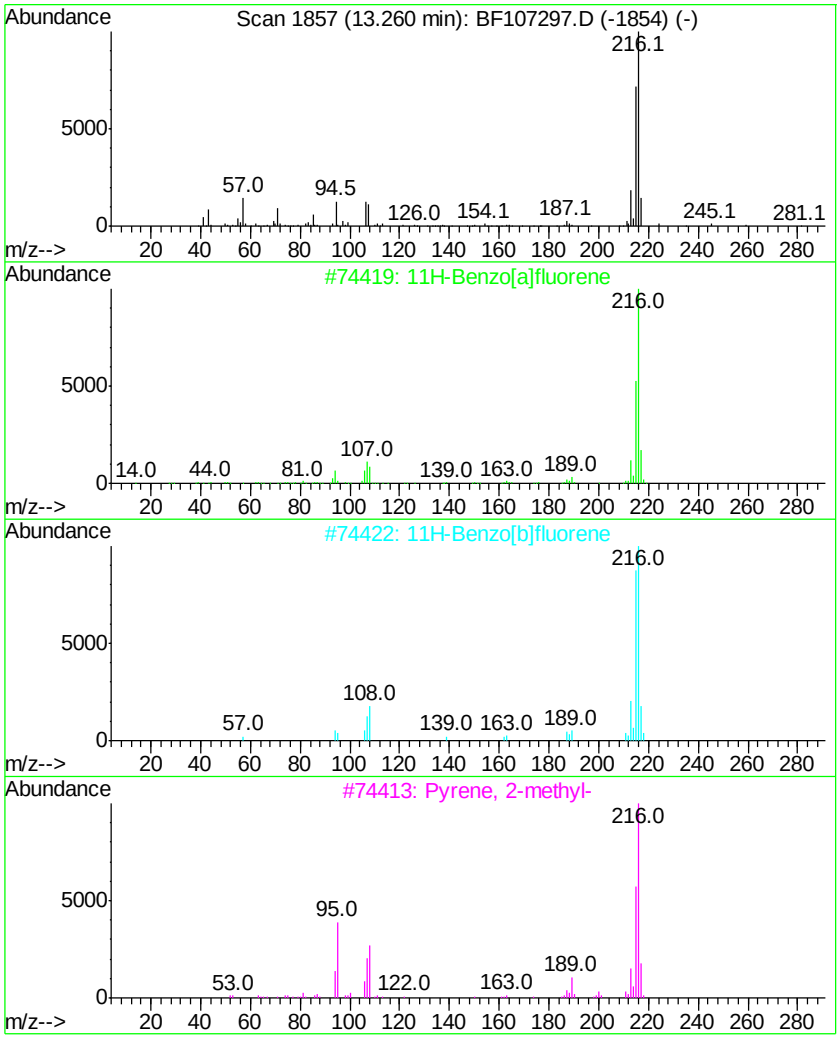
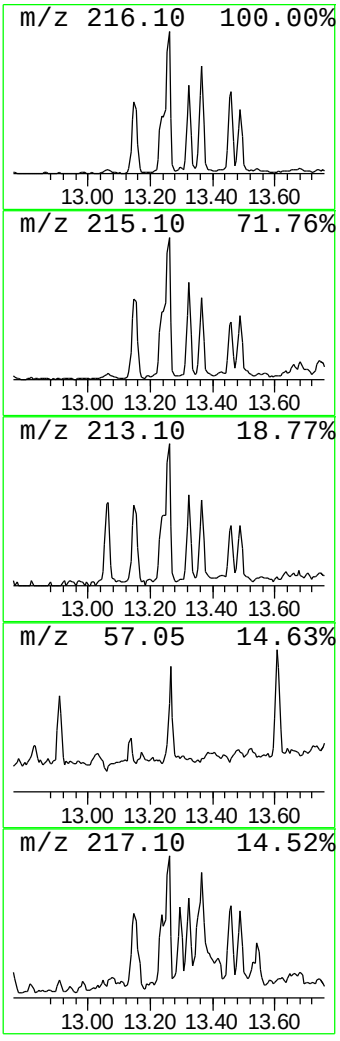
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.38 ng	186532	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	68





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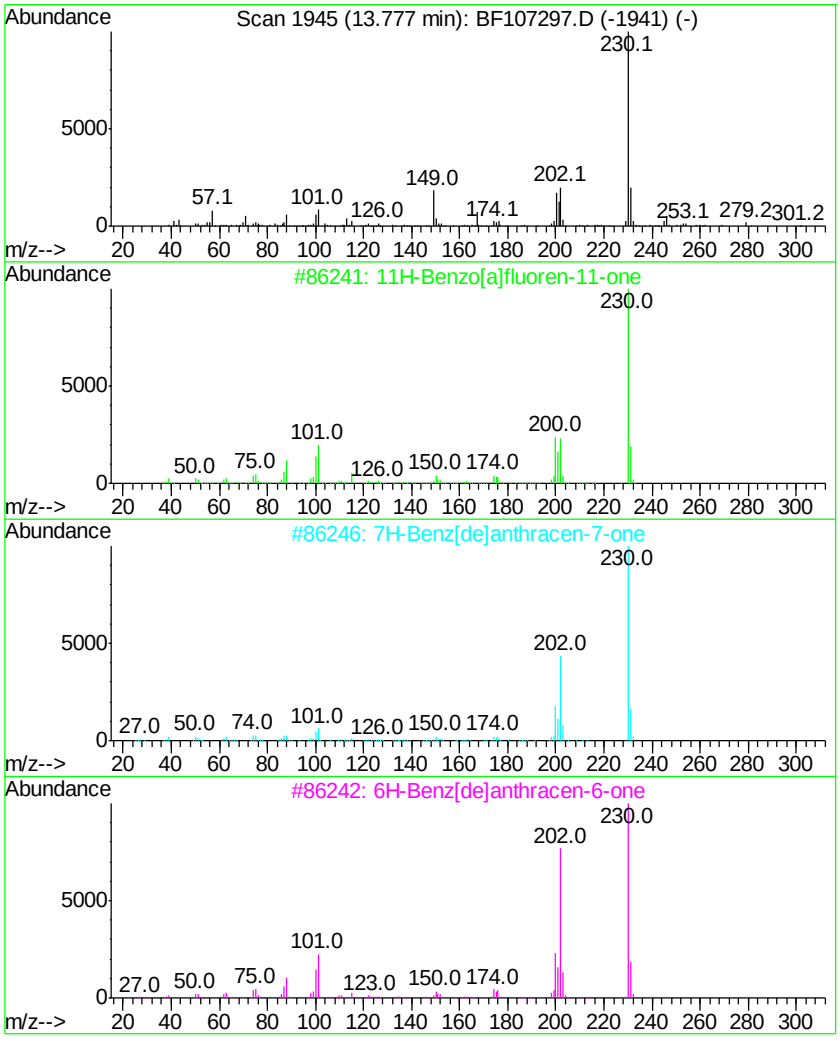
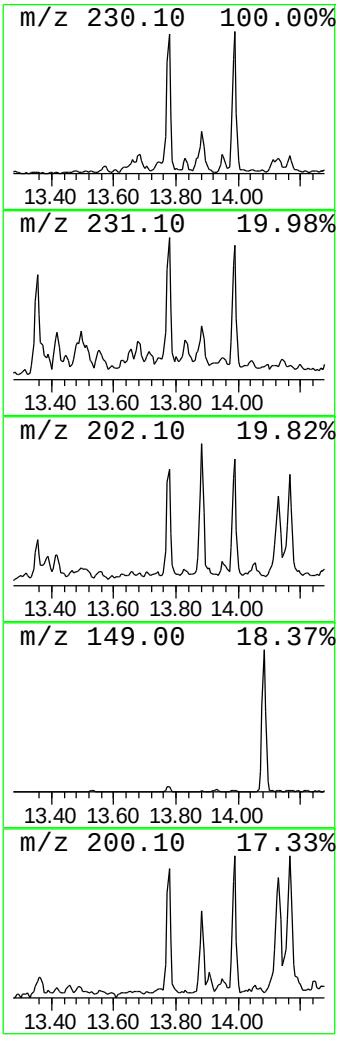
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.30 ng	180737	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59





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ClientSampleId : EP-12-W1

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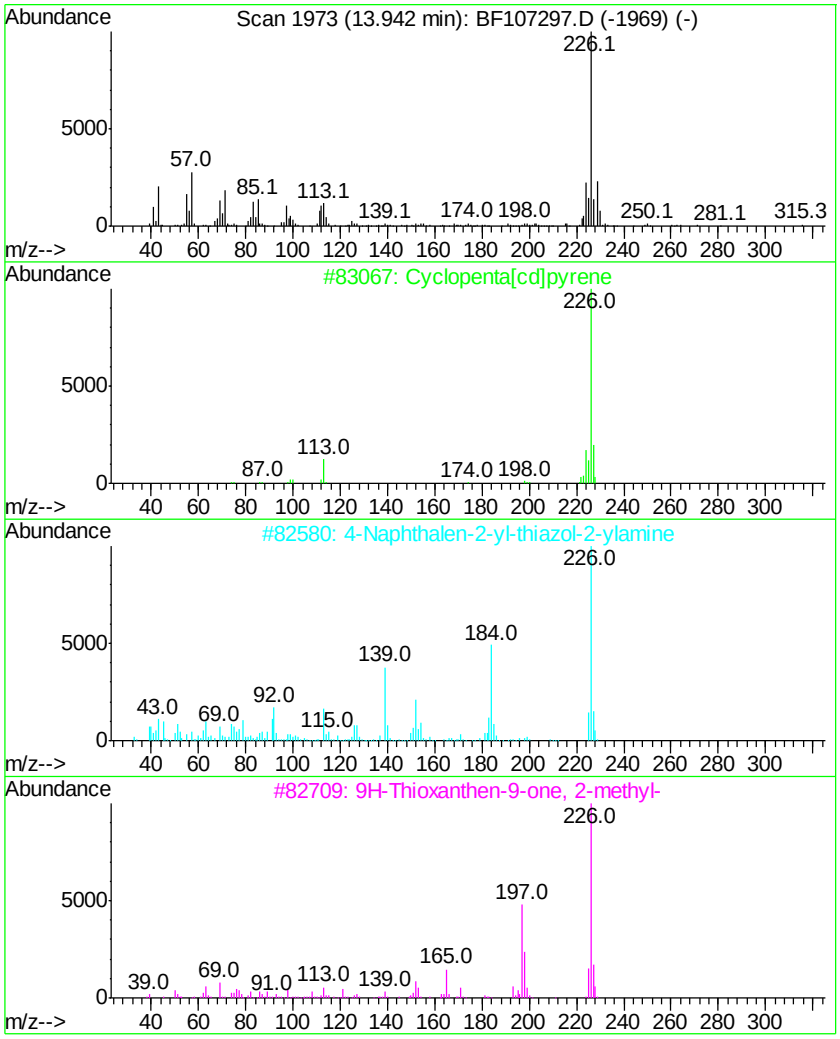
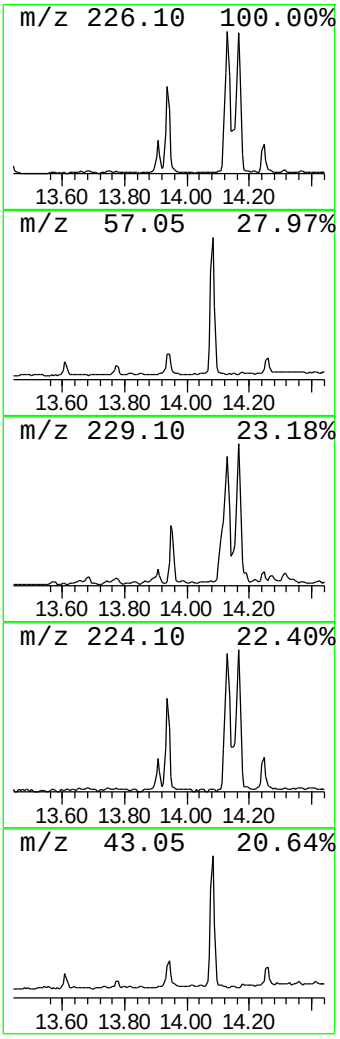
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	4.06 ng	318438	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	38
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	38
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	35
5	Diheptylisobutylamine	269	C18H39N	1000310-32-0	32





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

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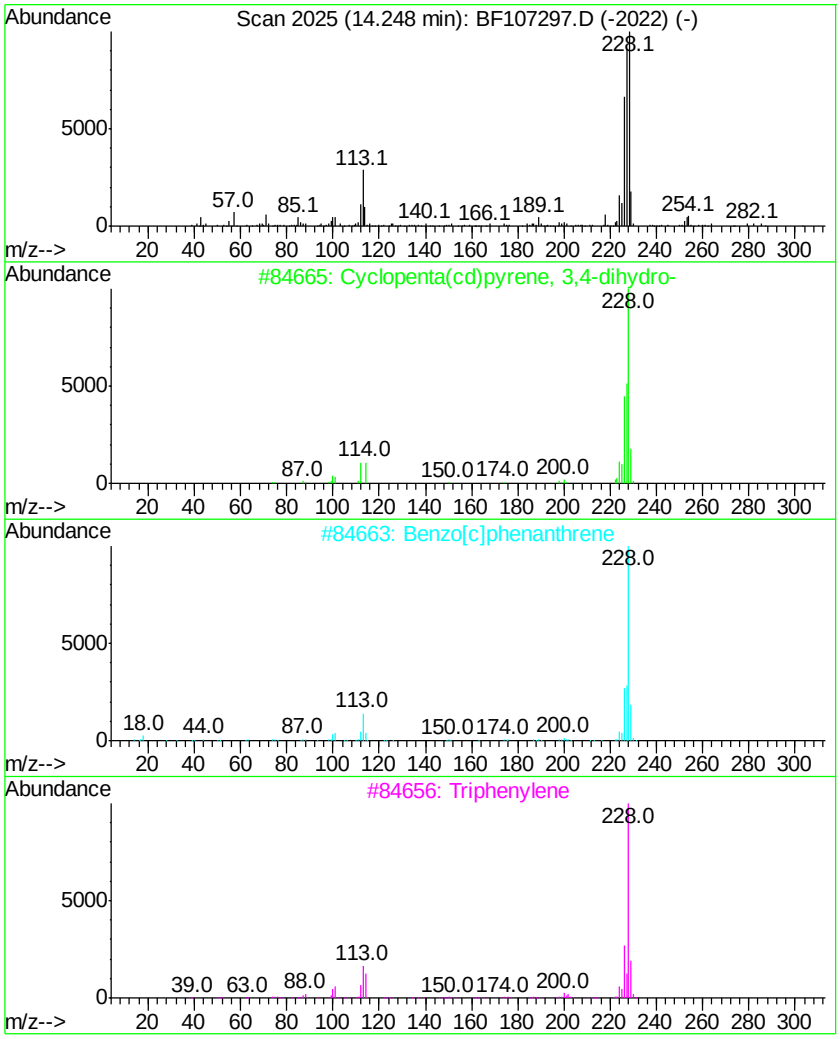
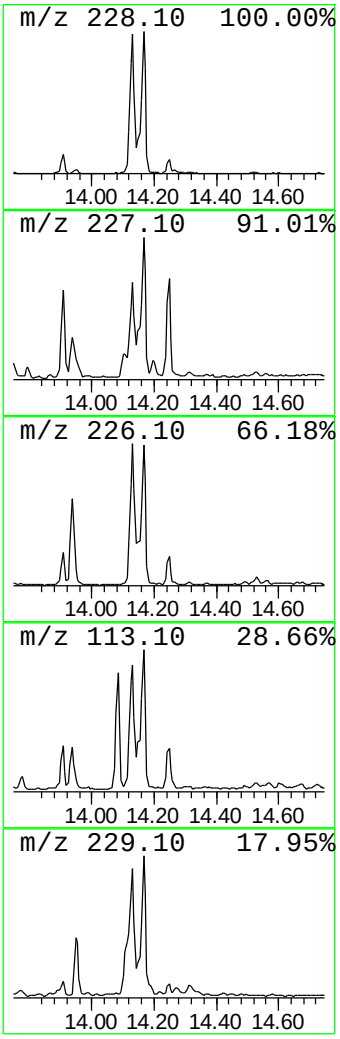
Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	2.35 ng	184462	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Triphenylene	228	C18H12	000217-59-4	50
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43





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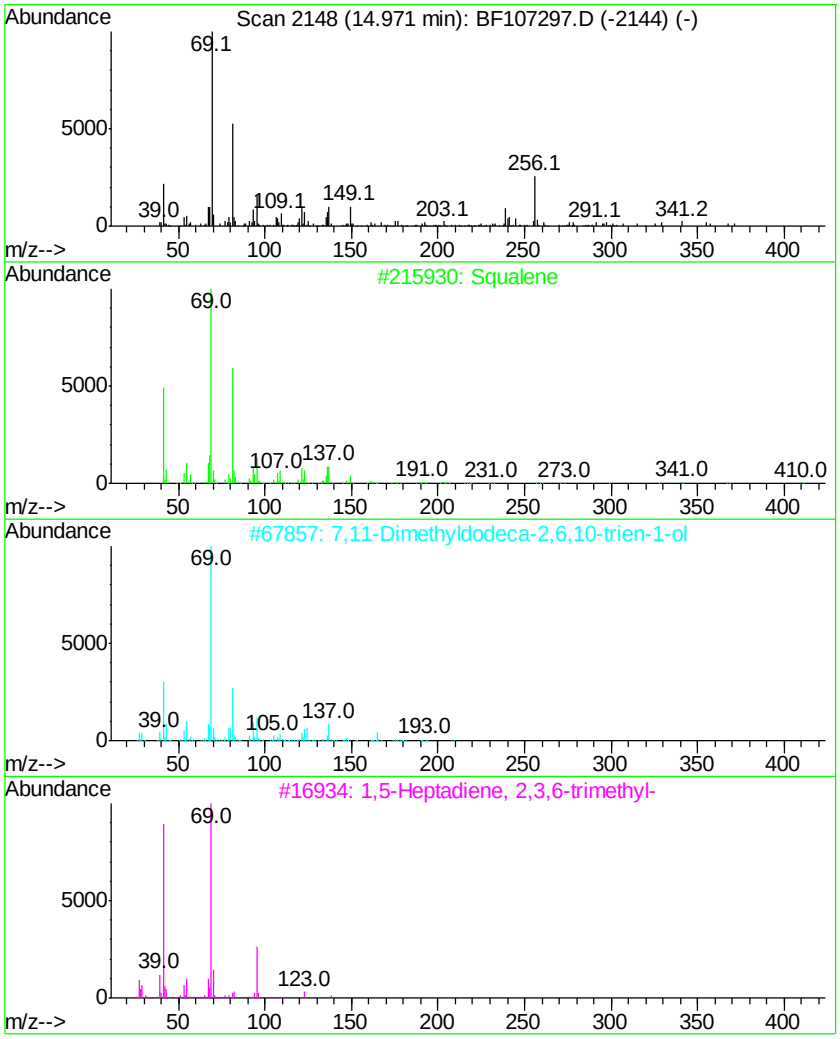
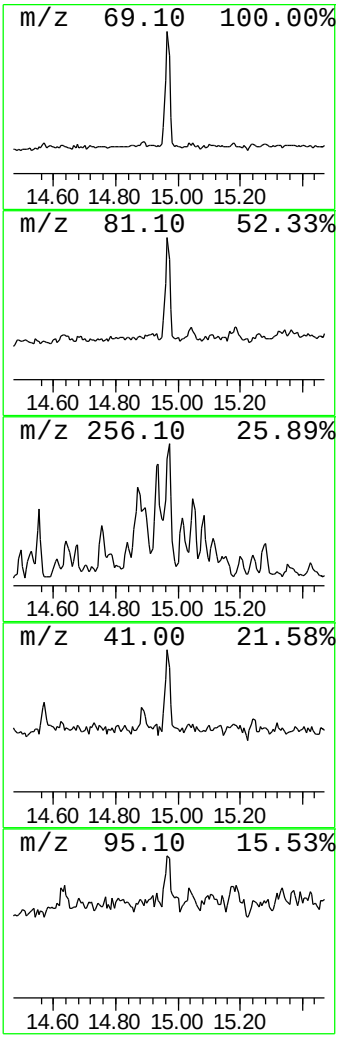
Peak Number 16 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	4.51 ng	144284	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	76
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	53
3	1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	49
4	2-Butenoic acid, 3-methyl-2-meth...	166	C10H14O2	076003-38-8	47
5	1,5-Heptadiene, 3,3,5-trimethyl-	138	C10H18	074630-29-8	47





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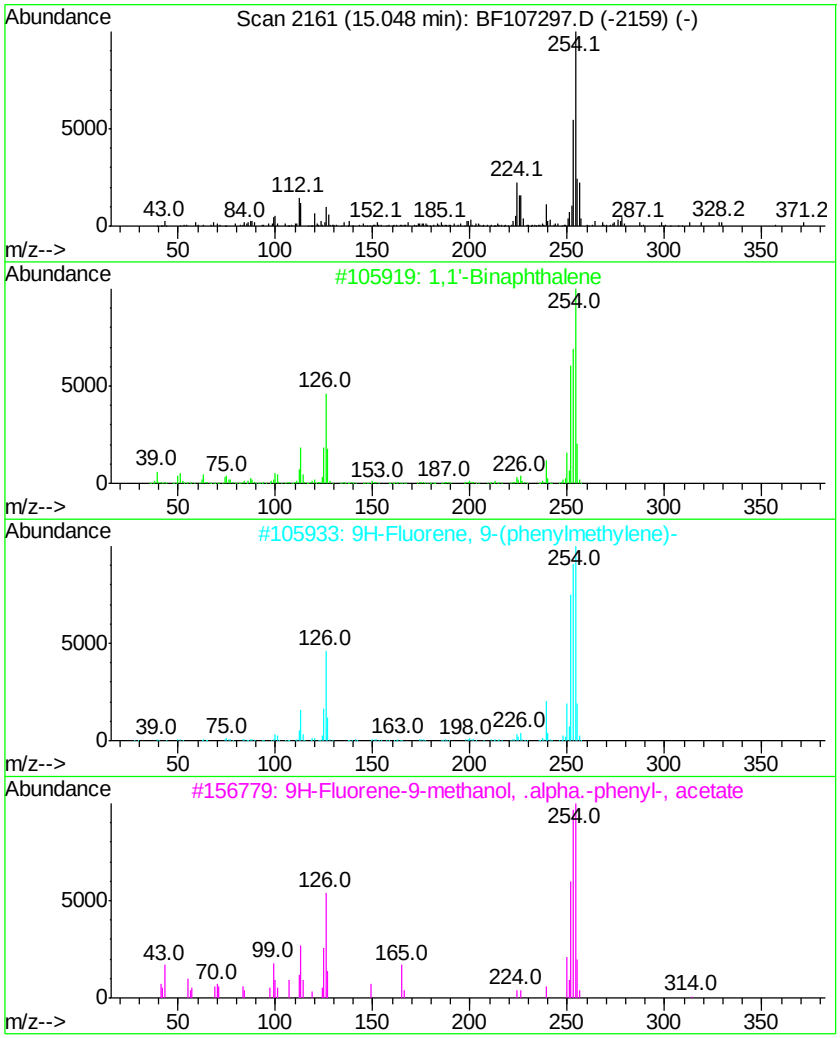
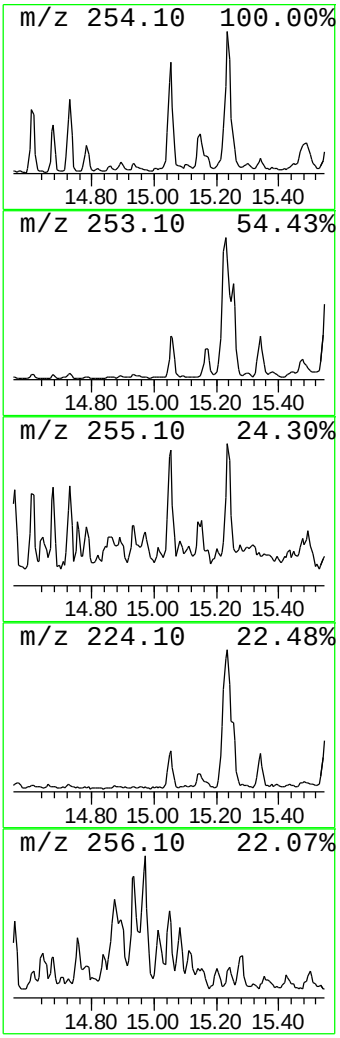
Peak Number 17 1,1'-Binaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	3.84 ng	122716	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
3	9H-Fluorene-9-methanol, .alpha.-...	314	C22H18O2	063839-89-4	72
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64





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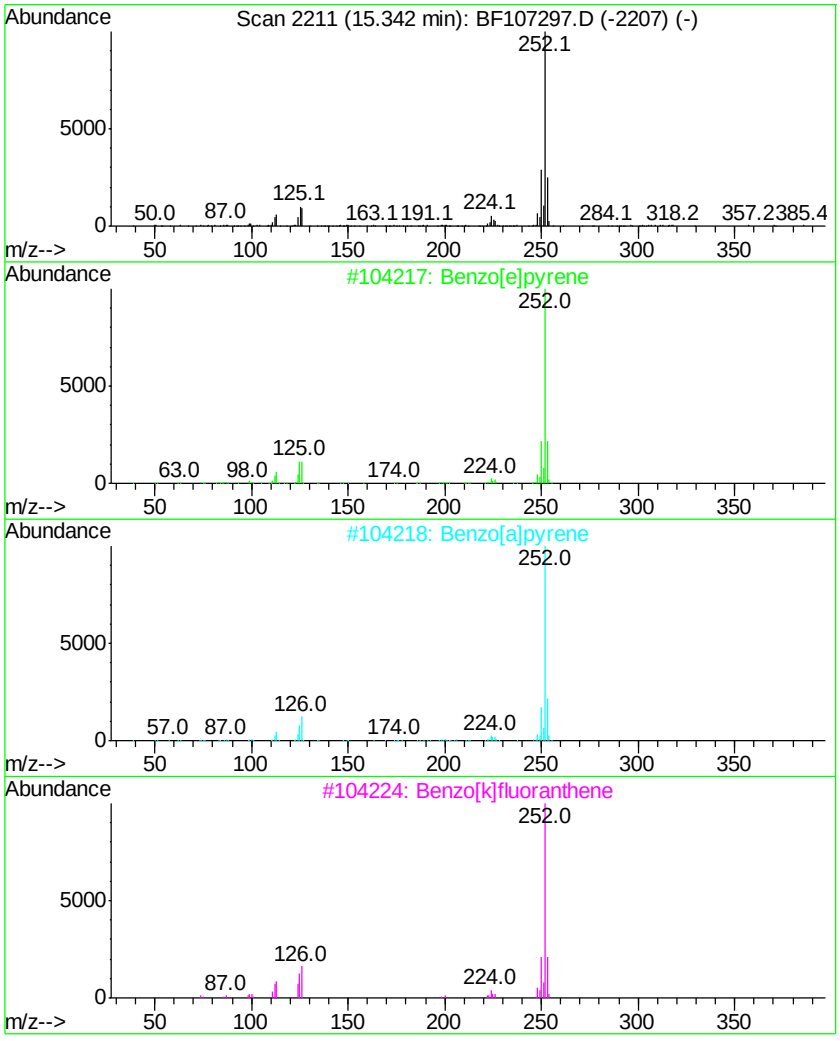
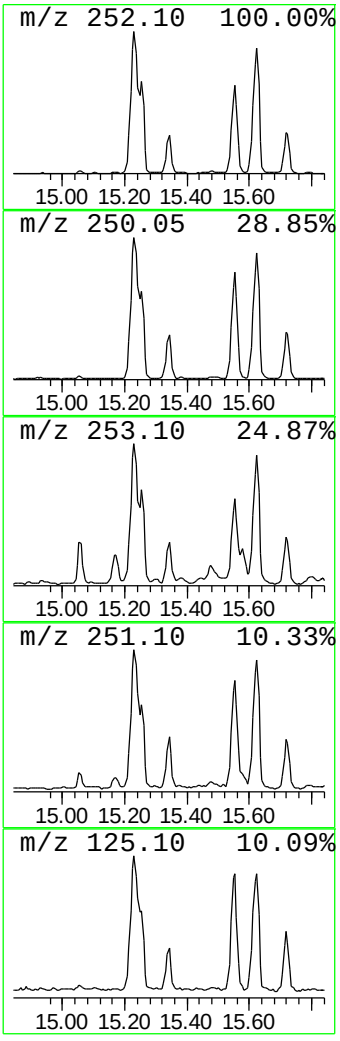
Peak Number 18 unknown15.34 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	7.29 ng	233239	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	81





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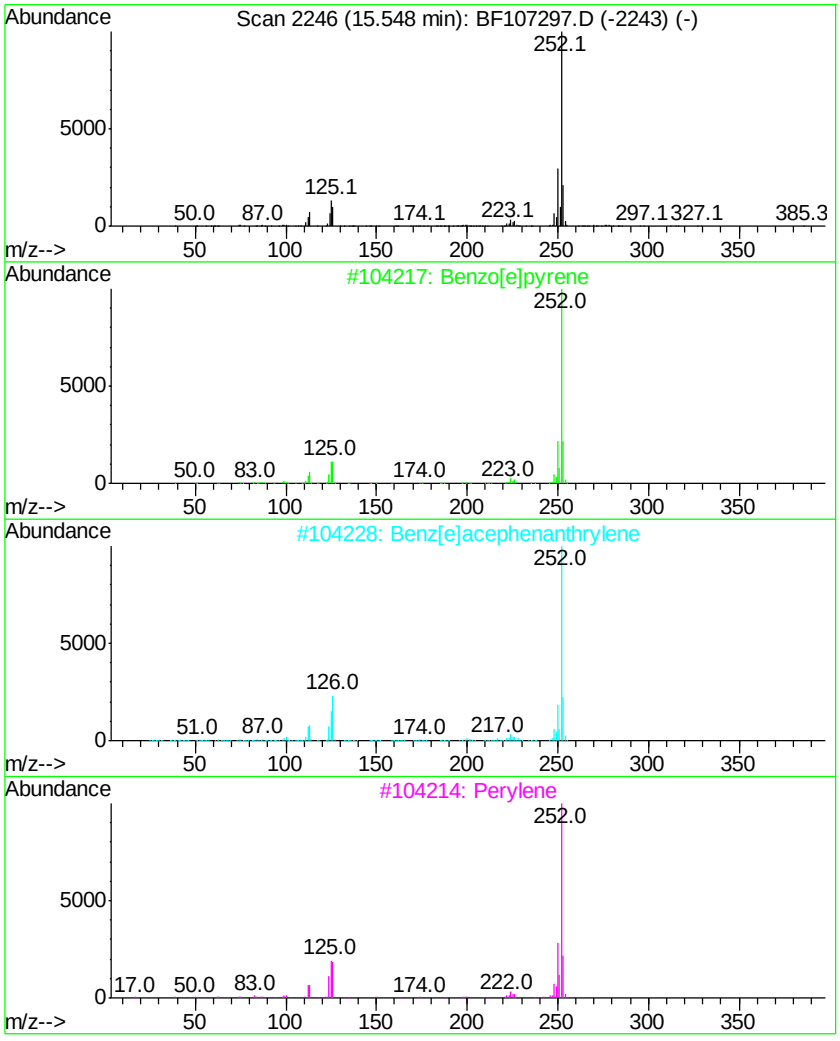
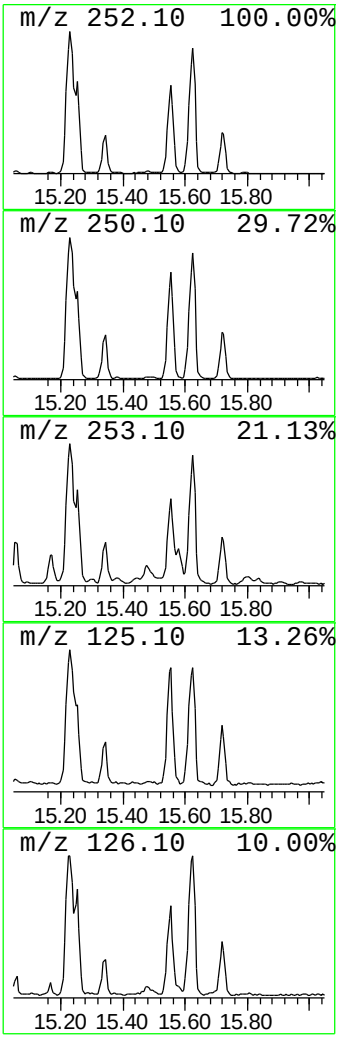
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	18.92 ng	605188	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107297.D
Acq On : 11 Jul 2018 13:59
Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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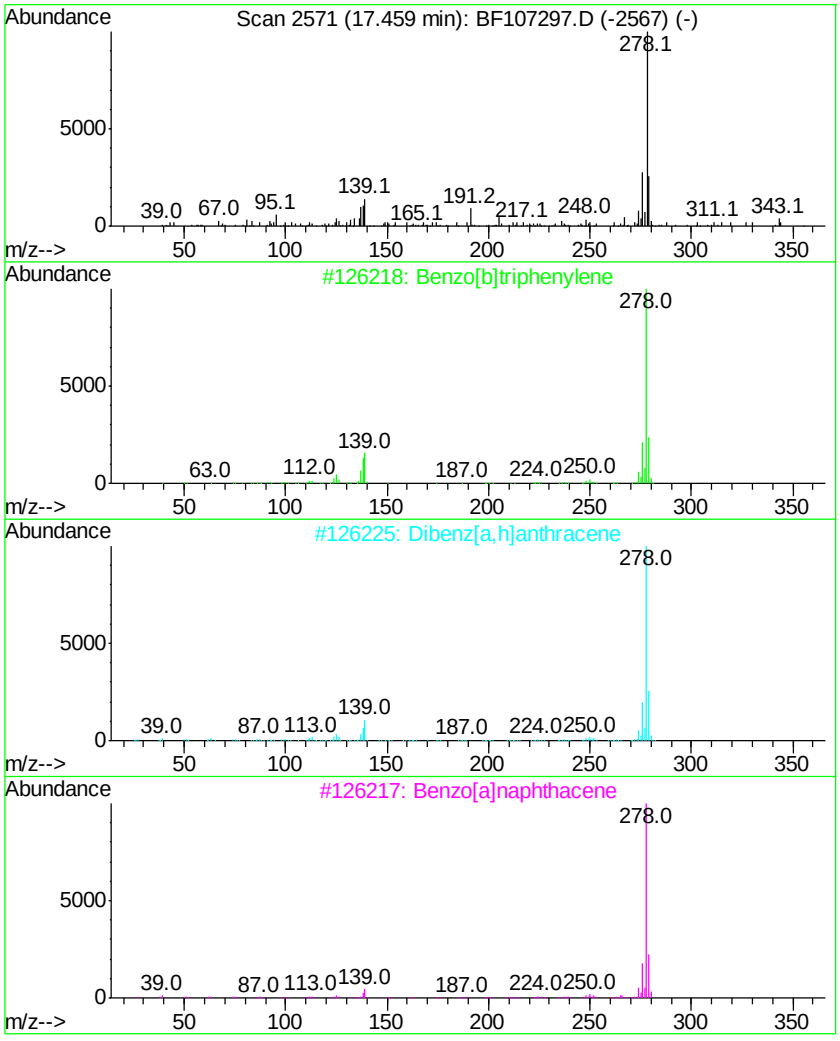
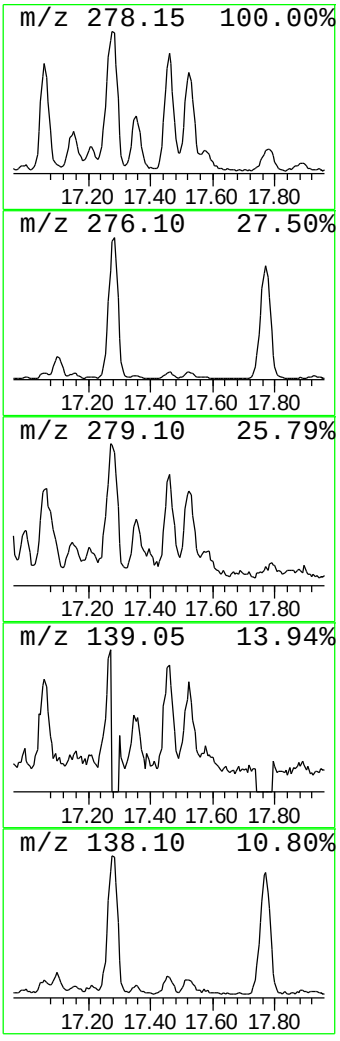
Peak Number 20 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	4.19 ng	134014	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
4	Benzo[b]chrysene	278	C22H14	000214-17-5	89
5	Pentaphene	278	C22H14	000222-93-5	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
Data File : BF107297.D
Acq On : 11 Jul 2018 13:59
Operator : JU/SJ
Sample : J3933-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-12-W1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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
2-Pentanone, 4-hy...	5.17	10.4	ng	250470	1	6.93	481035	20.0
unknown6.71	6.71	62.4	ng	1500520	1	6.93	481035	20.0
Phenanthrene, 1-m...	11.98	4.4	ng	144232	4	11.48	652003	20.0
Phenanthrene, 2-m...	12.01	3.5	ng	115361	4	11.48	652003	20.0
Anthracene, 1-met...	12.09	5.5	ng	177596	4	11.48	652003	20.0
Naphthalene, 2-ph...	12.27	2.6	ng	86094	4	11.48	652003	20.0
Phenanthrene, 2,5...	12.53	3.4	ng	109173	4	11.48	652003	20.0
Cyclopenta(def)ph...	12.63	3.9	ng	126789	4	11.48	652003	20.0
Benzo(b)naphtho(1...	13.14	2.9	ng	228169	5	14.14	1569030	20.0
11H-Benzo[a]fluorene	13.26	2.4	ng	186532	5	14.14	1569030	20.0
11H-Benzo[a]fluor...	13.78	2.3	ng	180737	5	14.14	1569030	20.0
Cyclopenta[cd]pyrene	13.94	4.1	ng	318438	5	14.14	1569030	20.0
Cyclopenta(cd)pyr...	14.25	2.4	ng	184462	5	14.14	1569030	20.0
Squalene	14.97	4.5	ng	144284	6	15.69	639872	20.0
1,1'-Binaphthalene	15.05	3.8	ng	122716	6	15.69	639872	20.0
unknown15.34	15.34	7.3	ng	233239	6	15.69	639872	20.0
Benzo[e]pyrene	15.55	18.9	ng	605188	6	15.69	639872	20.0
Benzo[b]triphenylene	17.46	4.2	ng	134014	6	15.69	639872	20.0