LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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	5.184	480	484	496	rVB	97041	128647	11.78%	0.909%
2	5.595	550	554	572	rBV	882200	905114	82.88%	6.394%
3	6.601	720	725	736	rBV	886365	964203	88.29%	6.811%
4	6.731	742	747	750	rBV	941944	916545	83.93%	6.475%
5	6.760	750	752	758	rVB4	15240	18871	1.73%	0.133%
6	6.948	780	784	789	rBV	309307	261304	23.93%	1.846%
7	6.995	789	792	802	rVB2	8901	12241	1.12%	0.086%
8	7.107	806	811	814	rBV	764097	752482	68.90%	5.316%
9	7.519	876	881	884	rBV	603943	592629	54.27%	4.187%
10	8.231	998	1002	1005	rBV	368371	333922	30.58%	2.359%
11	8.254	1005	1006	1012	rVB	70146	43923	4.02%	0.310%
12	8.948	1121	1124	1130	rBV	45538	40836	3.74%	0.288%
13	9.048	1137	1141	1145	rVB	27141	23380	2.14%	0.165%
14	9.307	1180	1185	1188	rBV	1222989	1092085	100.00%	7.715%
15	9.366	1192	1195	1199	rVV	20686	20344	1.86%	0.144%
16	9.407	1199	1202	1206	rVB	23023	17819	1.63%	0.126%
17	9.572	1227	1230	1235	rVB	21380	25942	2.38%	0.183%
18	9.648	1240	1243	1245	rVV	26501	25911	2.37%	0.183%
19	9.695	1248	1251	1257	rVB	241922	210478	19.27%	1.487%
20	9.854	1275	1278	1281	rBV	32801	29650	2.71%	0.209%
21	9.895	1281	1285	1288	rVB	23932	18555	1.70%	0.131%
22	9.995	1298	1302	1305	rBV	389069	338619	31.01%	2.392%
23	10.025	1305	1307	1313	rVB	157520	120526	11.04%	0.851%
24	10.148	1322	1328	1331	rBV3	17279	19602	1.79%	0.138%
25	10.201	1331	1337	1340	rBV	70236	73531	6.73%	0.519%
26	10.301	1352	1354	1357	rBV2	14081	14364	1.32%	0.101%
27	10.395	1367	1370	1372	rBV	38987	31260	2.86%	0.221%
28	10.542	1391	1395	1401	rVB	123916	111721	10.23%	0.789%
29	10.607	1404	1406	1411	rVB4	23977	34618	3.17%	0.245%
30	10.701	1420	1422	1425	rVB	27438	23488	2.15%	0.166%
31	10.795	1433	1438	1441	rBV	647574	616576	56.46%	4.356%
32	10.877	1448	1452	1455	rBV2	29488	41995	3.85%	0.297%
33	11.095	1482	1489	1491	rBV	28099	43616	3.99%	0.308%
34	11.119	1491	1493	1496	rVB2	13020	13895	1.27%	0.098%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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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Peak separation: 5

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

35	11.219	1505	1510	1512	rBV4	12743	16868	1.54%	0.119%
36	11.242	1512	1514	1520	rVV2	13991	17368	1.59%	0.123%
37	11.295	1520	1523	1525	rVV2	26339	25845	2.37%	0.183%
38	11.324	1525	1528	1531	rVV3	31101	47741	4.37%	0.337%
39	11.389	1535	1539	1543	rVB	26624	26433	2.42%	0.187%
40	11.489	1552	1556	1558	rBV	355140	318758	29.19%	2.252%
41	11.513	1558	1560	1564	rVV	331785	311173	28.49%	2.198%
42	11.566	1566	1569	1573	rBV	111624	95483	8.74%	0.675%
43	11.724	1589	1596	1598	rBV2	35309	48260	4.42%	0.341%
44	11.748	1598	1600	1603	rVB2	25280	20821	1.91%	0.147%
45	11.824	1610	1613	1617	rVB2	15199	18358	1.68%	0.130%
46	11.995	1638	1642	1644	rBV	52062	56750	5.20%	0.401%
47	12.024	1644	1647	1650	rVV2	69458	64320	5.89%	0.454%
48	12.071	1652	1655	1657	rVB	31676	27806	2.55%	0.196%
49	12.107	1657	1661	1663	rBV2	99083	106899	9.79%	0.755%
50	12.130	1663	1665	1667	rVB	40146	30932	2.83%	0.219%
51	12.154	1667	1669	1672	rBV	17439	16014	1.47%	0.113%
52	12.283	1689	1691	1694	rBV	46440	37925	3.47%	0.268%
53	12.324	1696	1698	1701	rVB2	26632	22123	2.03%	0.156%
54	12.436	1712	1717	1720	rBV3	21572	30407	2.78%	0.215%
55	12.466	1720	1722	1725	rBV	21283	21603	1.98%	0.153%
56	12.542	1732	1735	1738	rBV	64113	58048	5.32%	0.410%
57	12.583	1738	1742	1744	rVV3	23084	27722	2.54%	0.196%
58	12.642	1747	1752	1758	rBV3	44844	69562	6.37%	0.491%
59	12.713	1760	1764	1767	rBV	542380	509681	46.67%	3.601%
60	12.771	1772	1774	1778	rBV2	16877	23899	2.19%	0.169%
61	12.866	1787	1790	1792	rBV2	21967	20541	1.88%	0.145%
62	12.924	1796	1800	1801	rBV2	116453	114276	10.46%	0.807%
63	12.948	1801	1804	1809	rVV	527284	489087	44.78%	3.455%
64	12.989	1809	1811	1816	rVB	40816	41422	3.79%	0.293%
65	13.077	1821	1826	1829	rVV	990336	951927	87.17%	6.725%
66	13.107	1829	1831	1835	rVB	27268	28342	2.60%	0.200%
67	13.160	1835	1840	1845	rBV2	40008	82462	7.55%	0.583%
68	13.271	1852	1859	1864	rBV	97172	158851	14.55%	1.122%
69	13.336	1868	1870	1873	rBV	45971	39824	3.65%	0.281%
70	13.377	1875	1877	1879	rVB	39493	31440	2.88%	0.222%
71	13.471	1890	1893	1895	rBV	53654	45639	4.18%	0.322%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.501	1896	1898	1901	rVV	38884	38438	3.52%	0.272%
73	13.618	1916	1918	1920	rVB	27454	20225	1.85%	0.143%
74	13.783	1943	1946	1950	rBV2	75839	78446	7.18%	0.554%
75	13.895	1963	1965	1967	rBV	43805	34729	3.18%	0.245%
76	13.918	1967	1969	1972	rVV	41265	35542	3.25%	0.251%
77	13.954	1972	1975	1980	rVV3	123831	160827	14.73%	1.136%
78	14.001	1980	1983	1986	rVB	47678	40146	3.68%	0.284%
79	14.089	1995	1998	2000	rVB	74316	60596	5.55%	0.428%
80	14.148	2003	2008	2011	rVV2	362663	568897	52.09%	4.019%
81	14.177	2011	2013	2016	rVB	248425	195359	17.89%	1.380%
82	14.260	2024	2027	2032	rBV2	70579	82726	7.58%	0.584%
83	14.571	2078	2080	2082	rBV	57933	49177	4.50%	0.347%
84	15.236	2189	2193	2200	rVB	185883	370531	33.93%	2.618%
85	15.559	2246	2248	2252	rVB	94805	107696	9.86%	0.761%
86	15.630	2257	2260	2267	rVB	138824	198432	18.17%	1.402%
87	15.695	2268	2271	2275	rBV	115193	140597	12.87%	0.993%

Sum of corrected areas: 14155666

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
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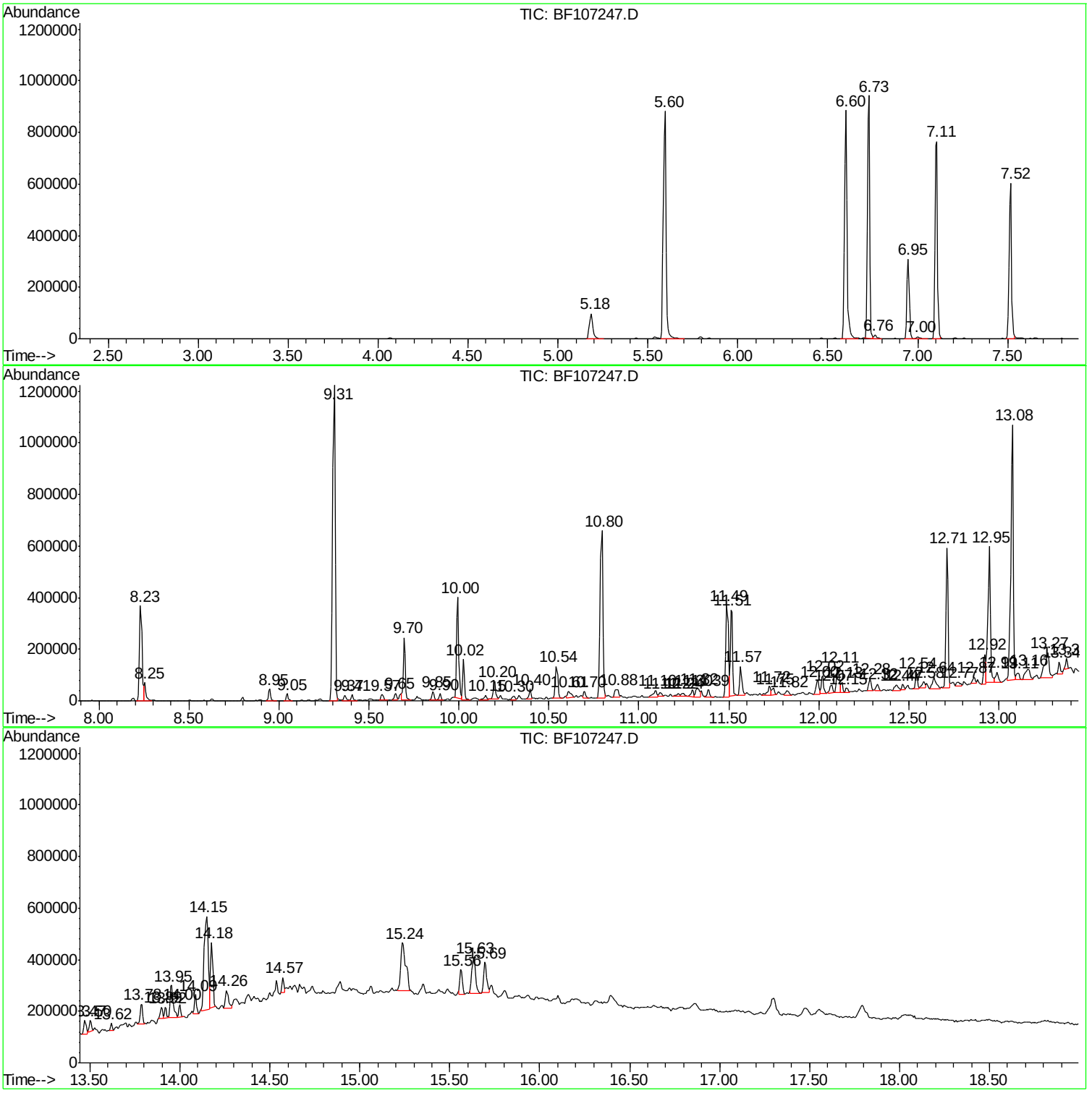
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

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\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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

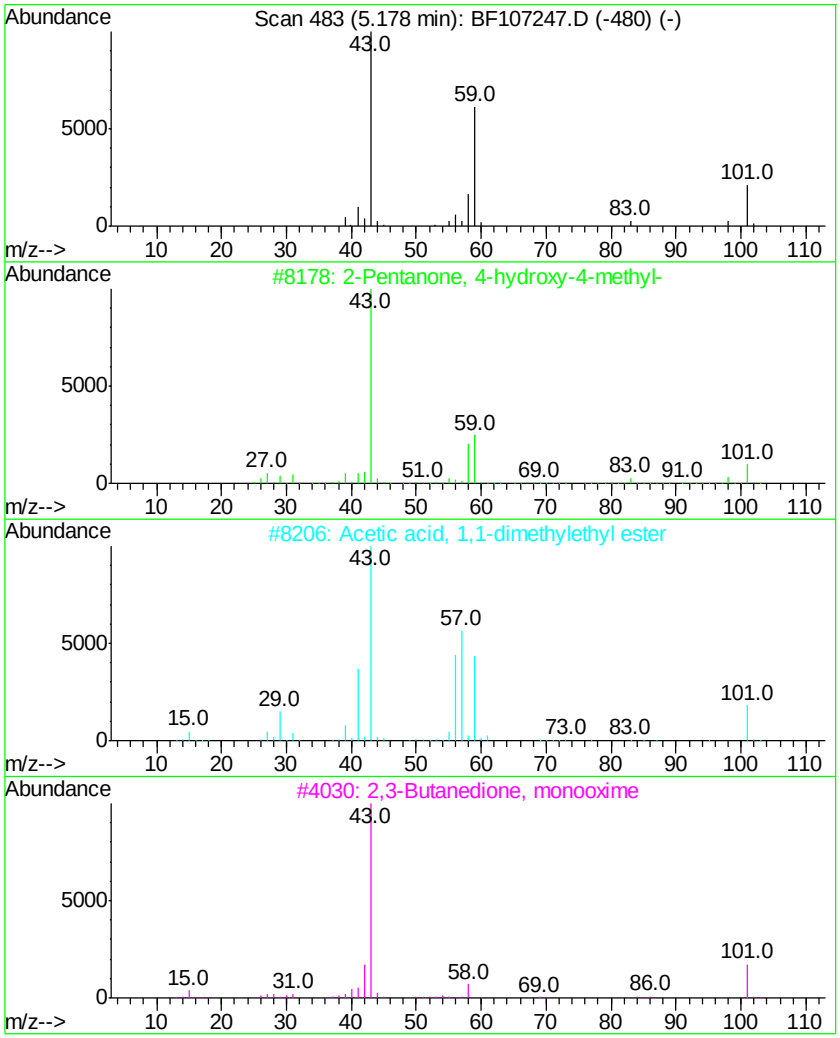
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

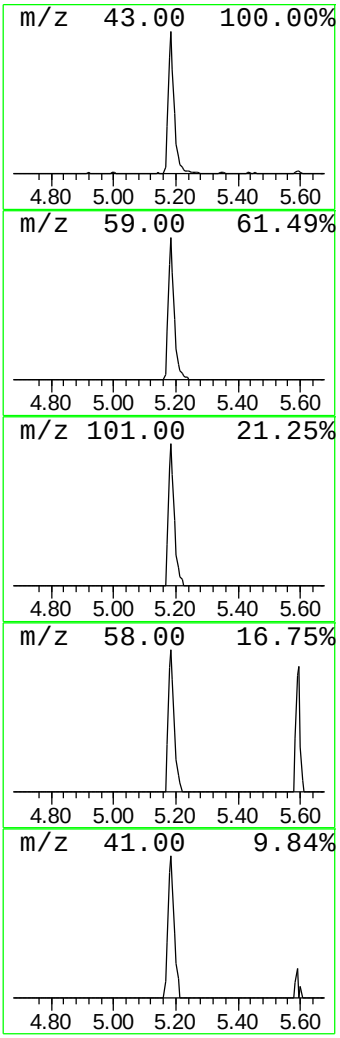
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	9.85 ng	128647	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	3-Hexanol	102	C6H14O	000623-37-0	28
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

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

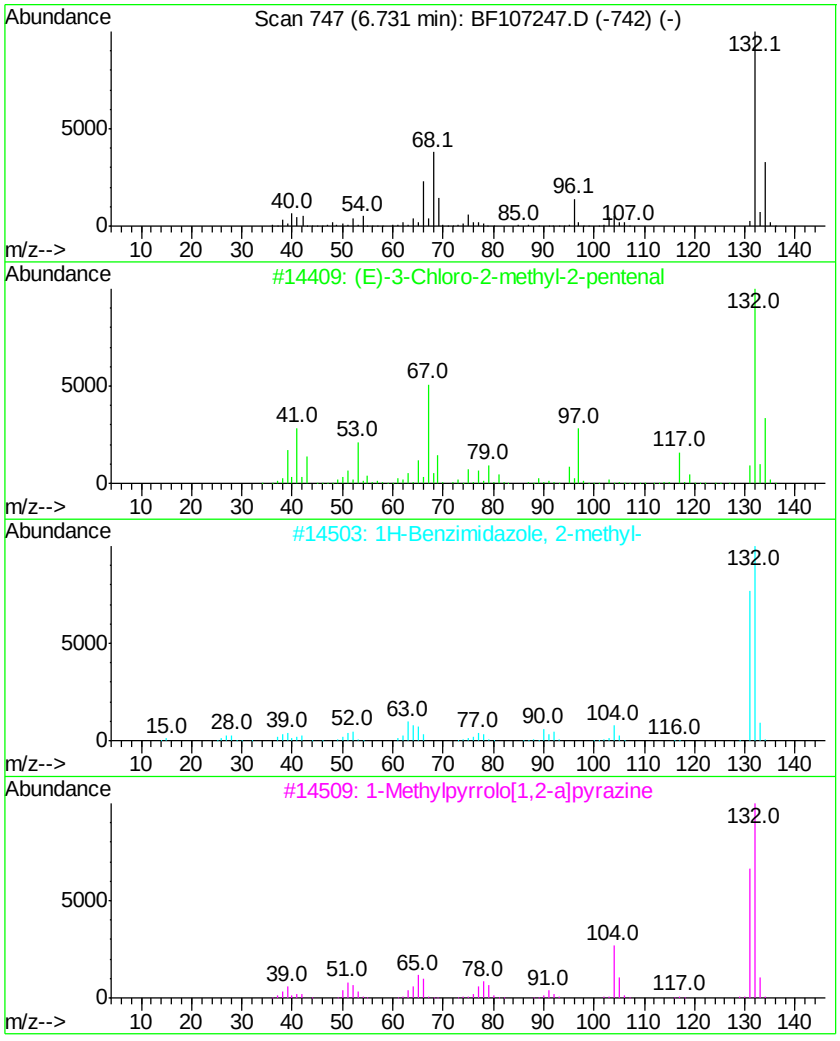
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

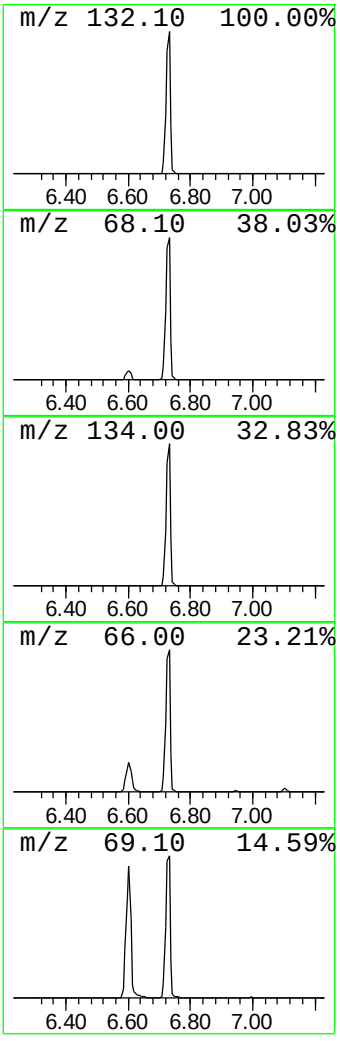
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	70.15 ng	916545	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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

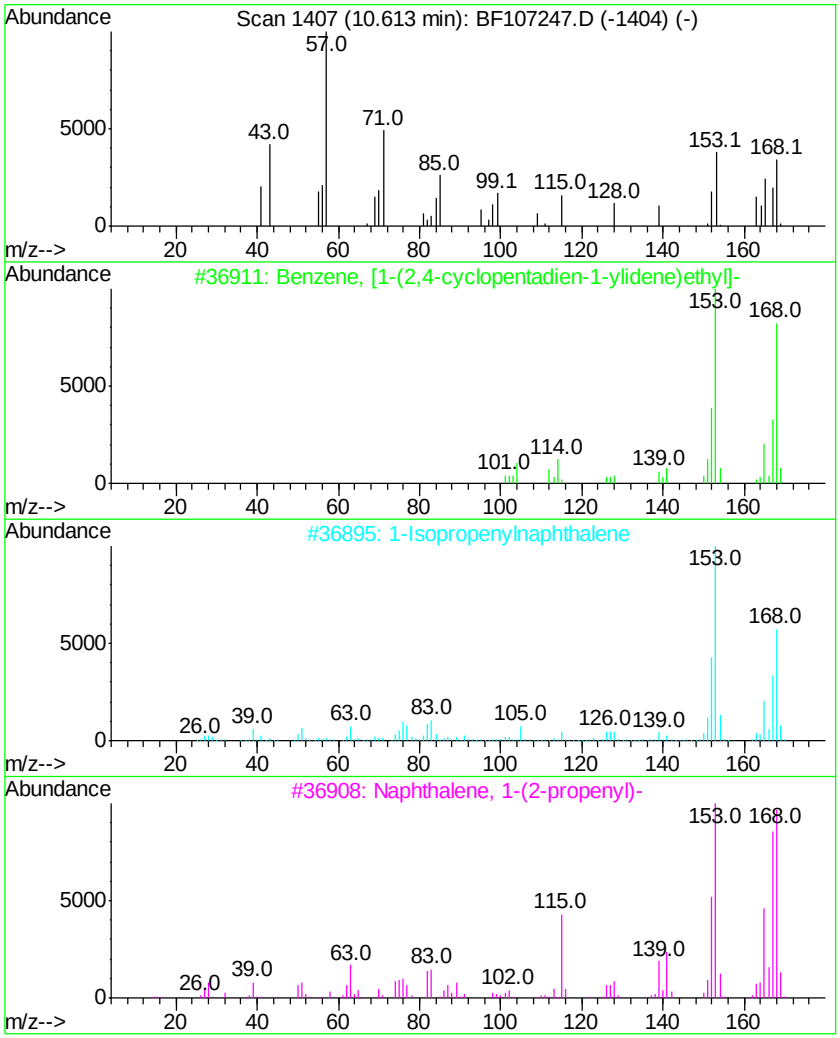
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

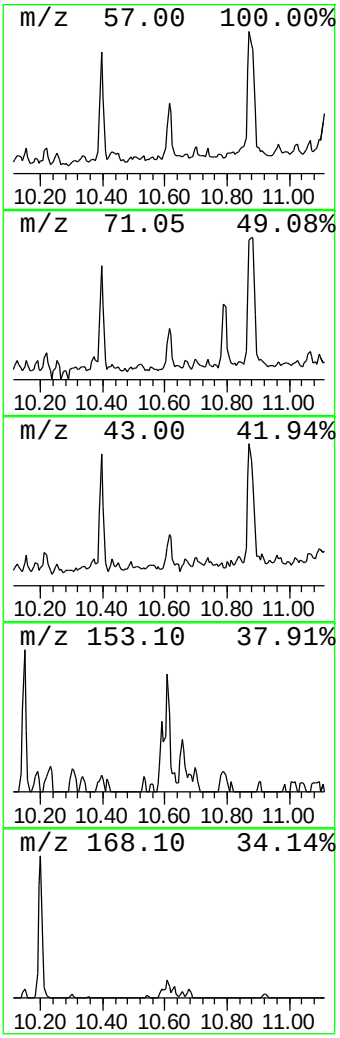
****

Peak Number 4 Benzene, [1-(2,4-cyclopenta... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	2.04 ng	34618	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

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

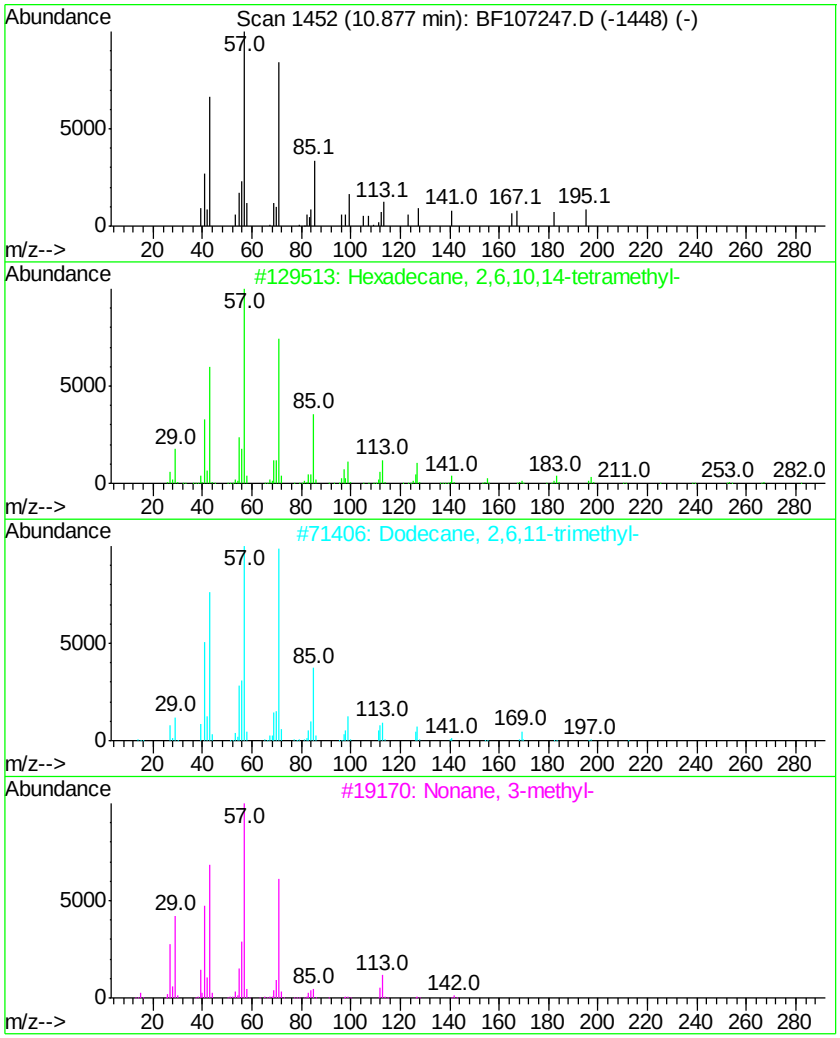
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

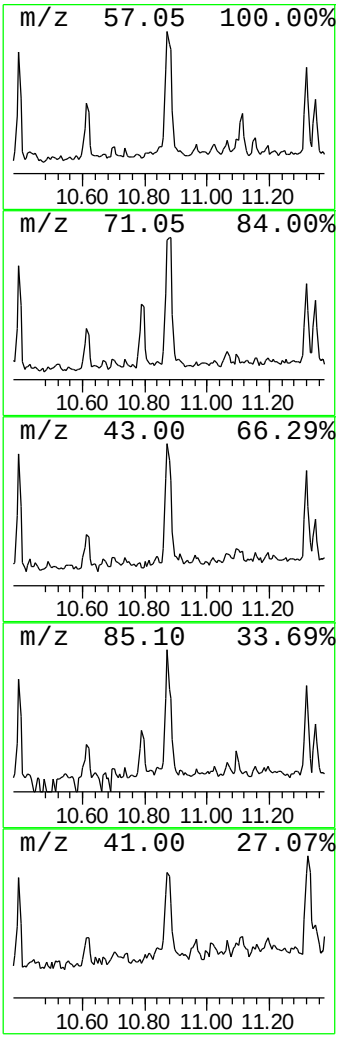
****

Peak Number 5 Hexadecane, 2,6,10,14-tetra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	2.63 ng	41995	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
4	Decane, 5-propyl-	184	C13H28	017312-62-8	59
5	Tridecane	184	C13H28	000629-50-5	59





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Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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

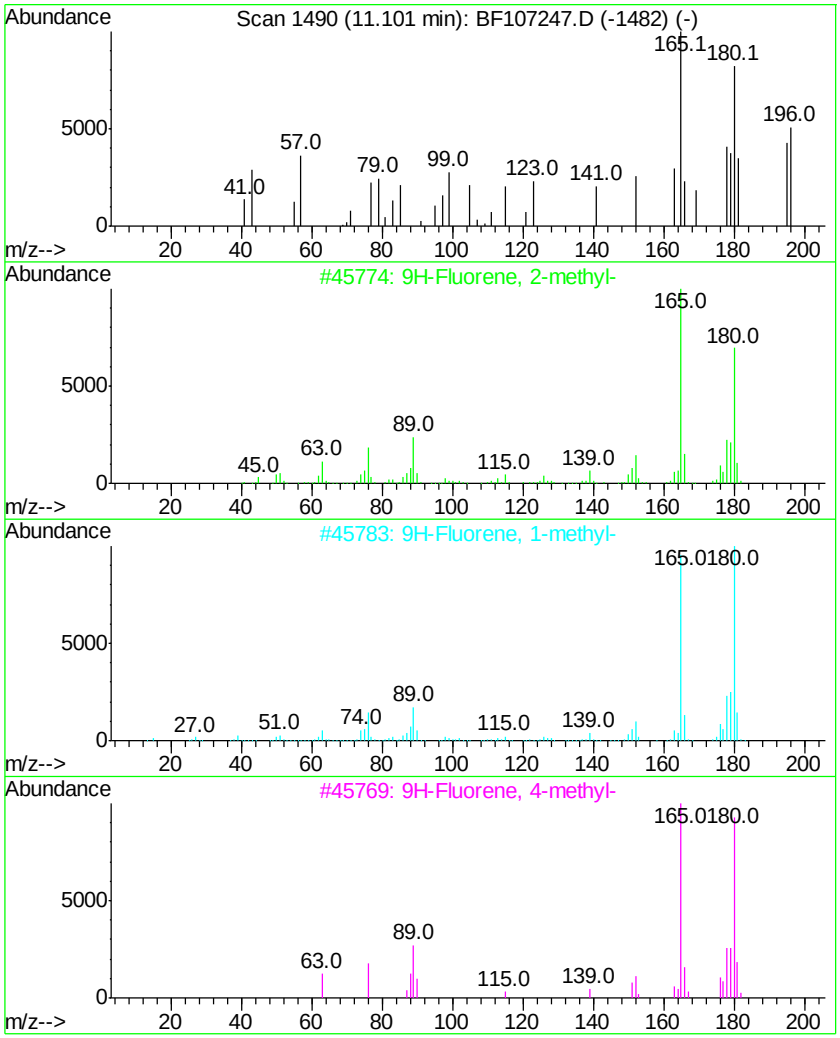
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

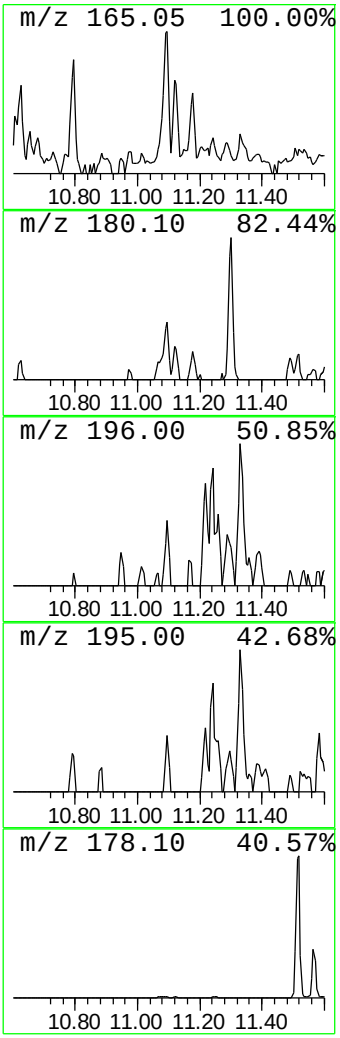
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.74 ng	43616	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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

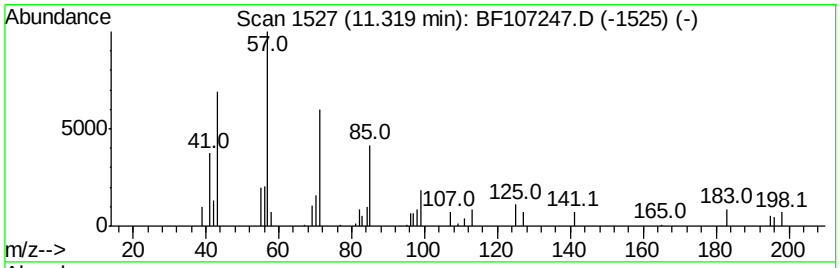
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

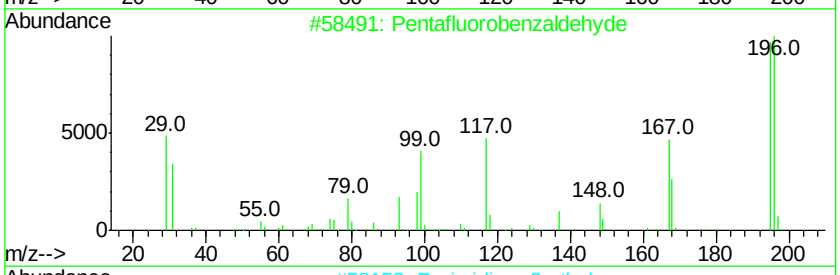
****

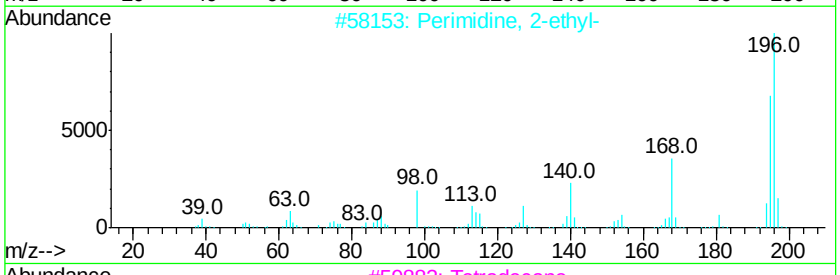
Peak Number 7 unknown11.32 Concentration Rank 12

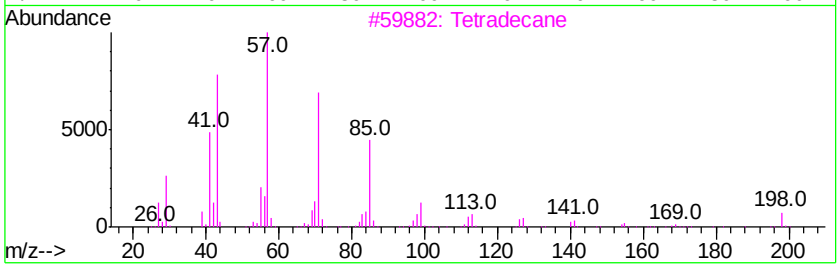
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	3.00 ng	47741	Phenanthrene-d10	11.49

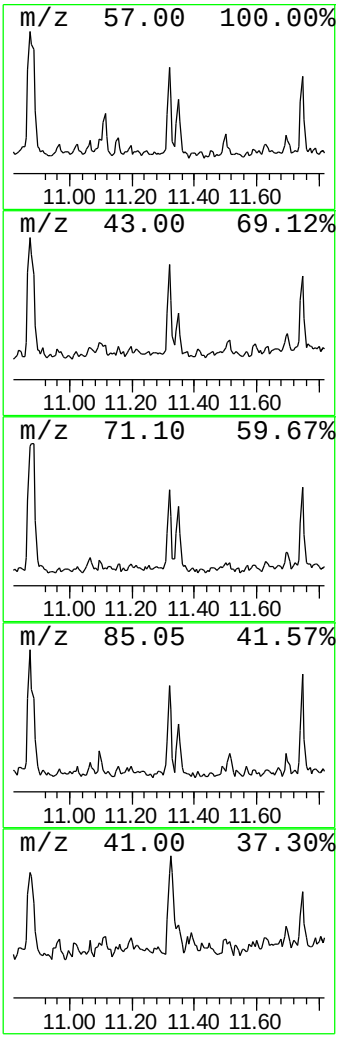
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluorobenzaldehyde	196	C7HF5O	000653-37-2	16
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	14
3	Tetradecane	198	C14H30	000629-59-4	11
4	Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	10
5	Titanium tetrachloride	188	Cl4Ti	007550-45-0	10











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Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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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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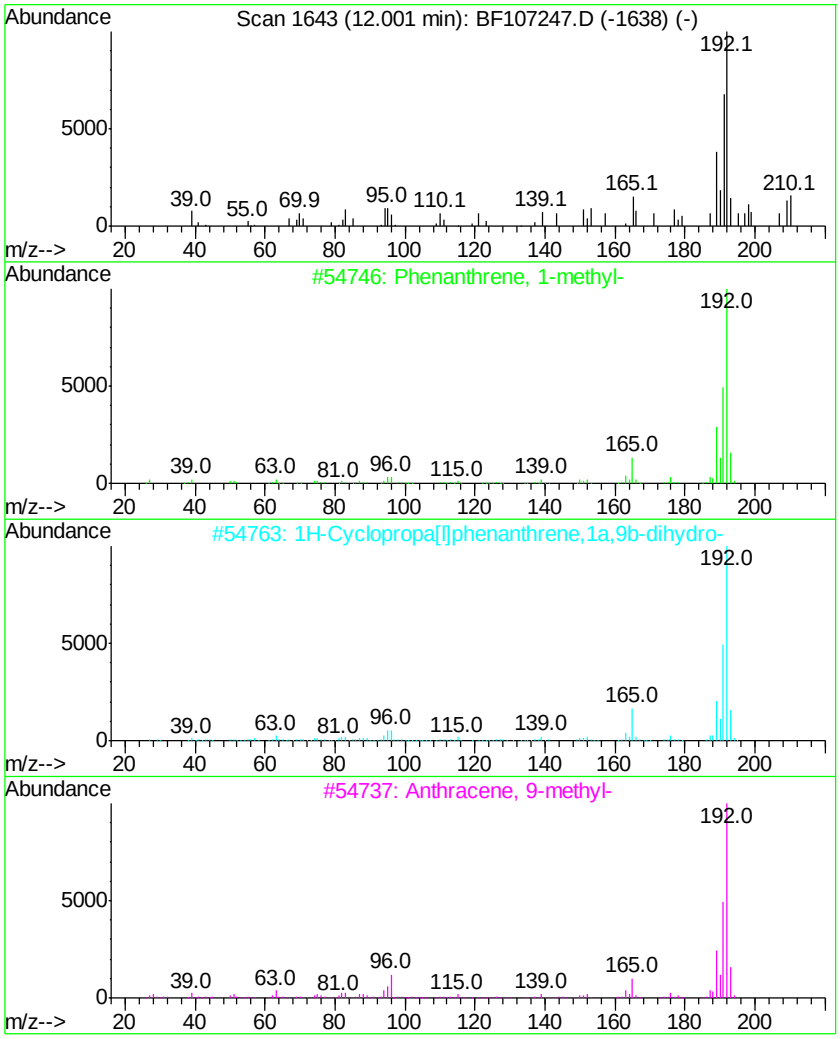
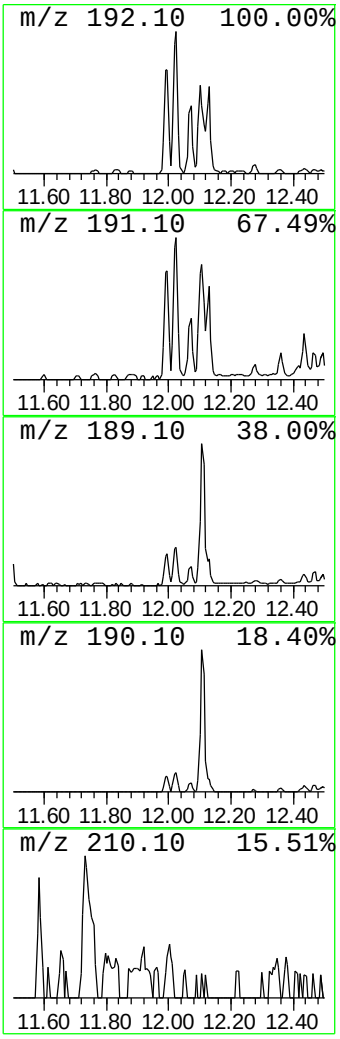
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.56 ng	56750	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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ClientSampleId : SURCHARGE-SP-20

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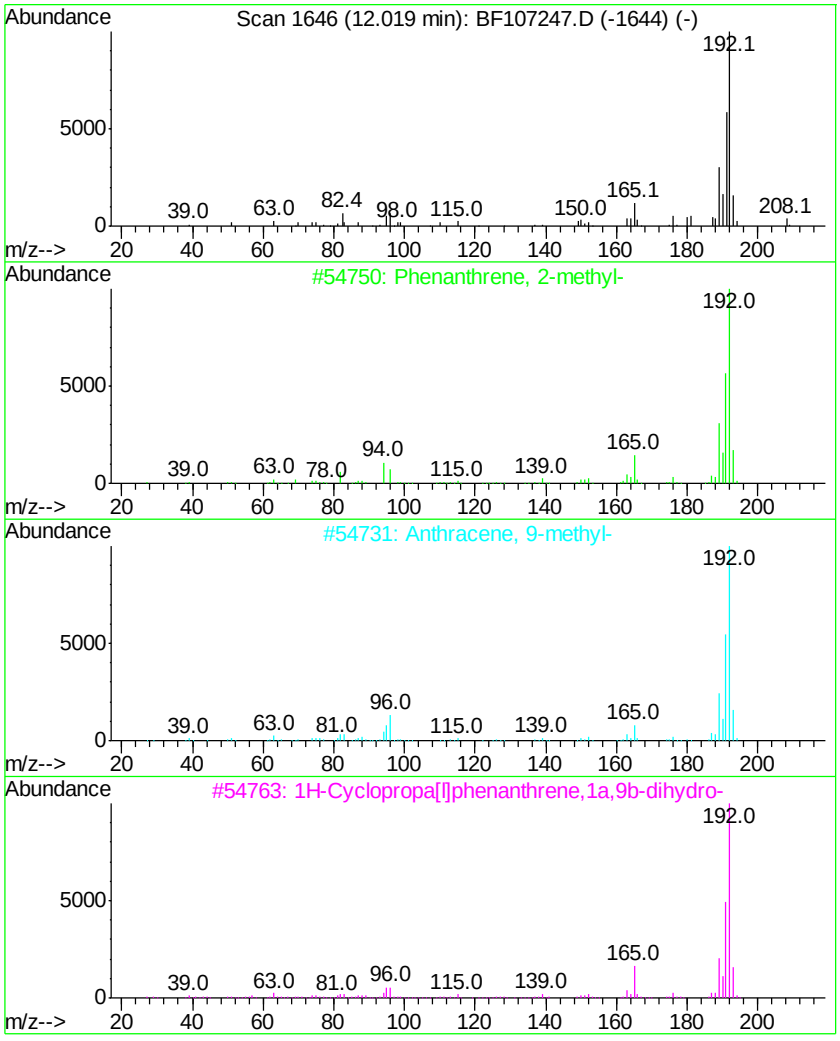
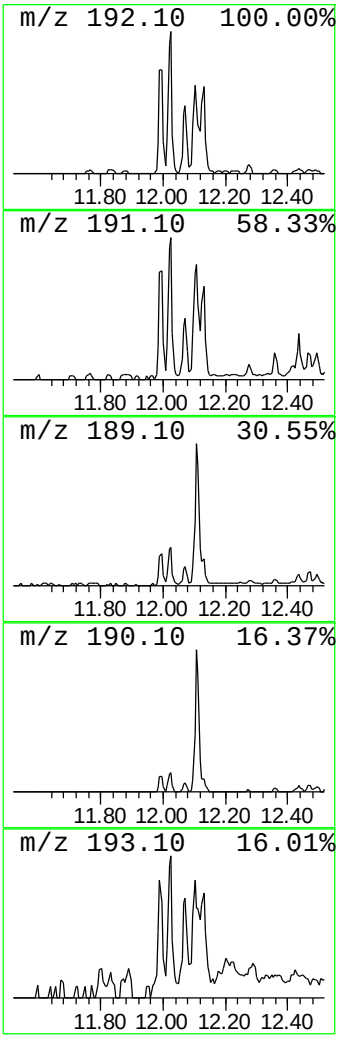
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.04 ng	64320	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





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ClientSampleId : SURCHARGE-SP-20

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

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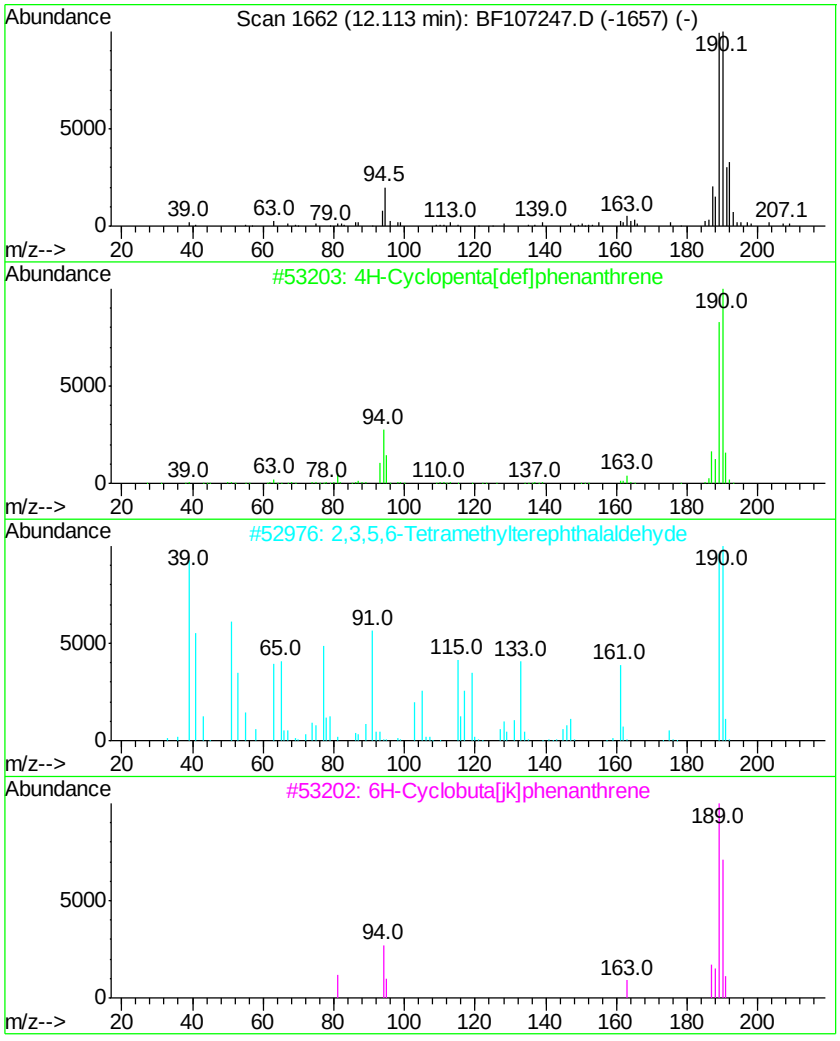
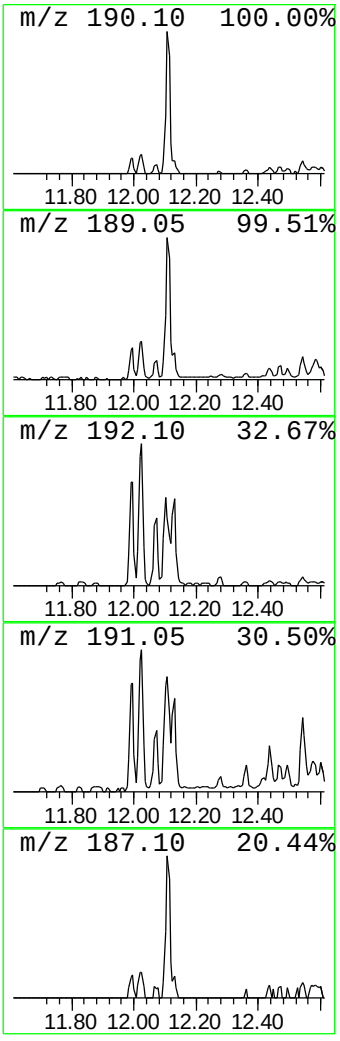
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.71 ng	106899	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25





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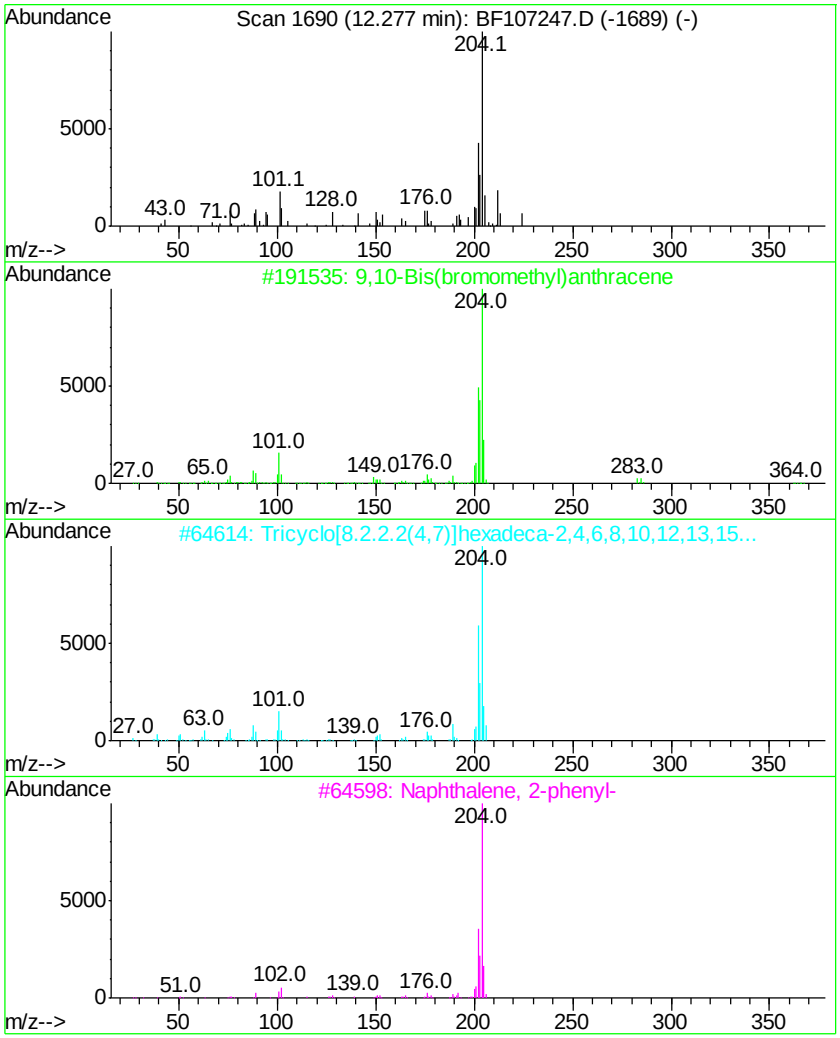
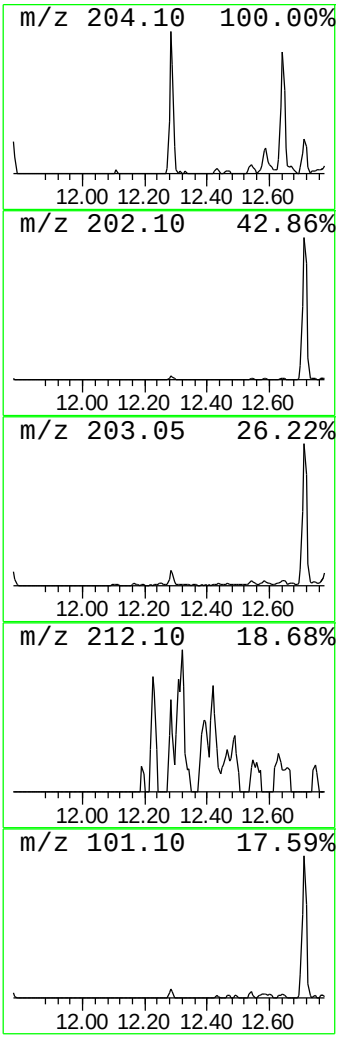
Peak Number 11 9,10-Bis(bromomethyl)anthra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.38 ng	37925	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55





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

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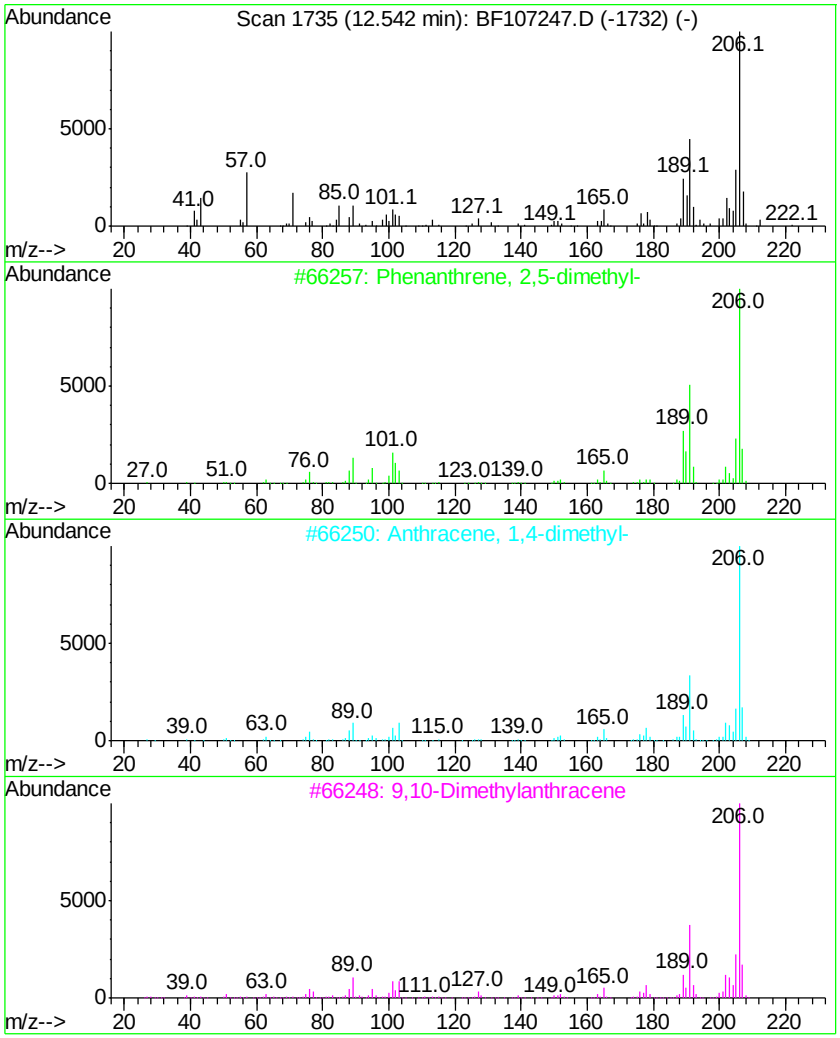
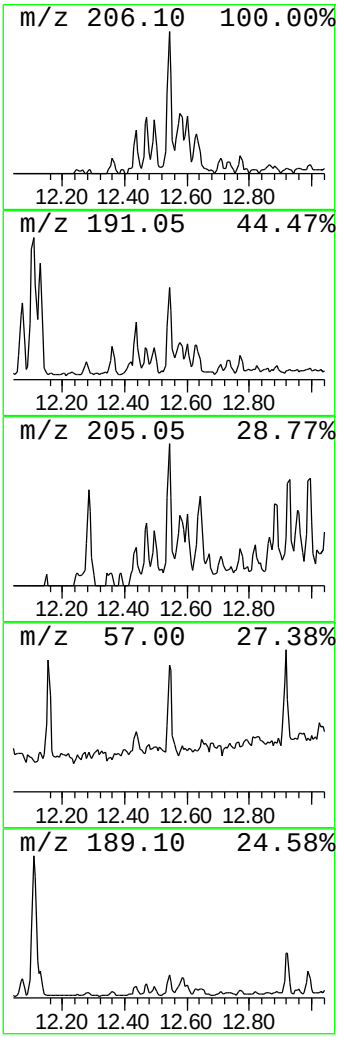
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.64 ng	58048	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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ALS Vial : 28 Sample Multiplier: 1

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

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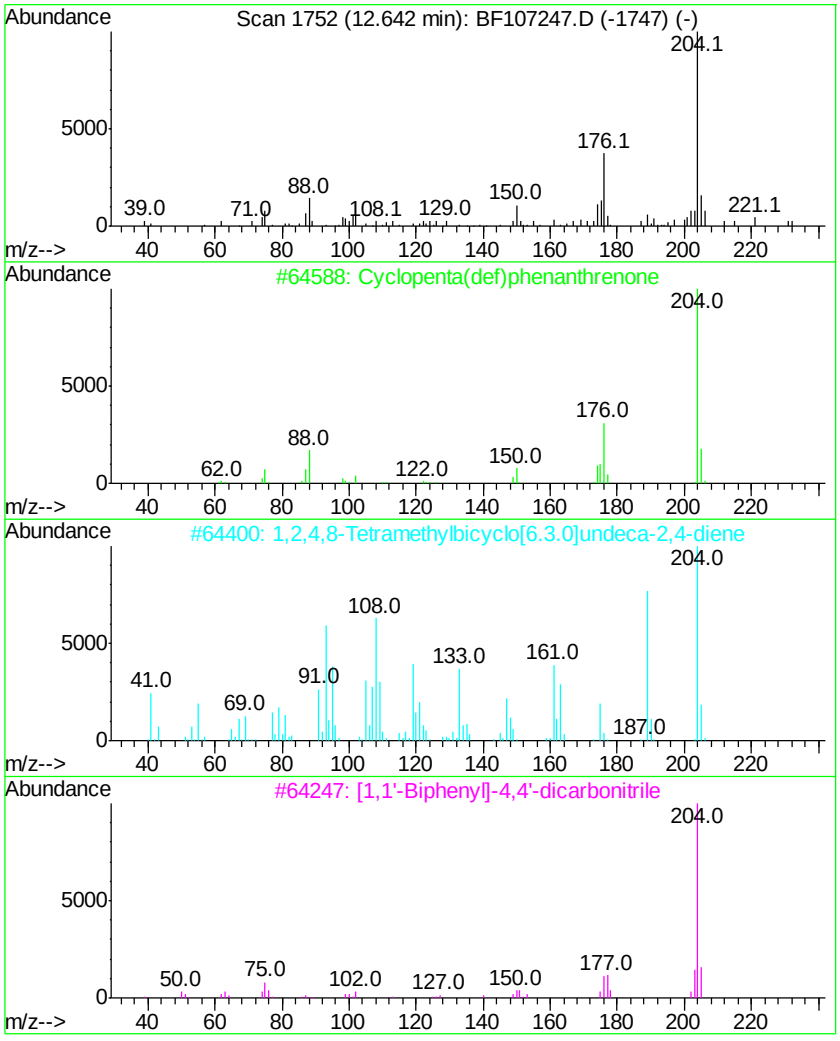
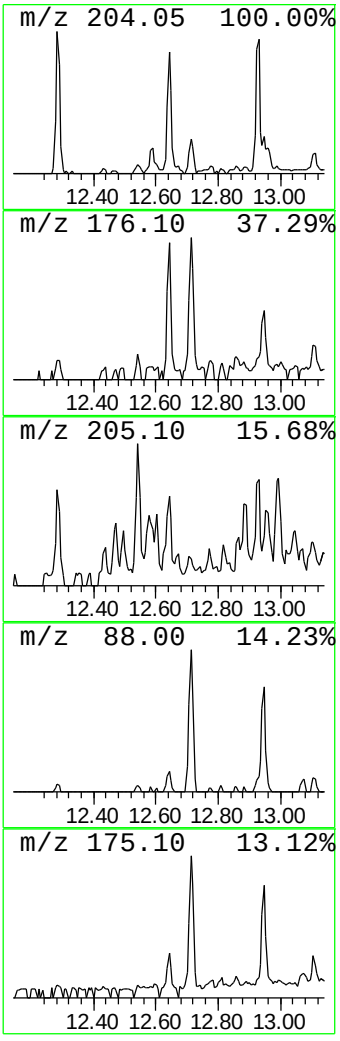
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	4.36 ng	69562	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	50
5	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	50





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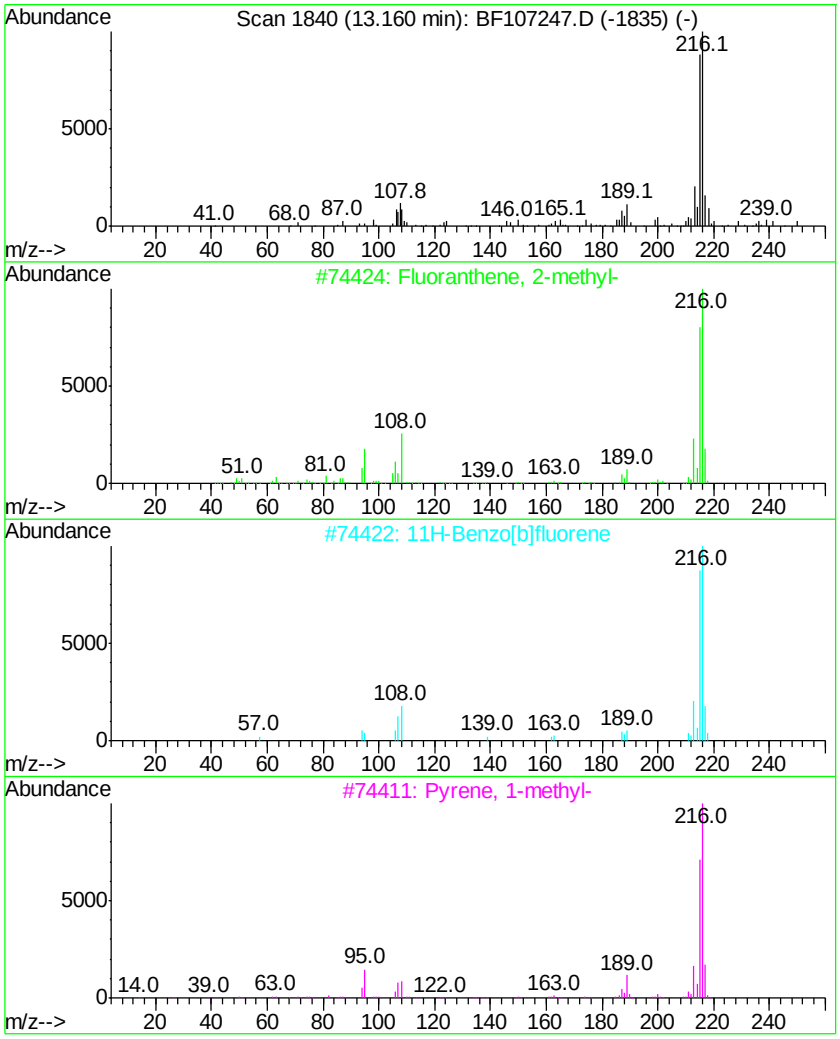
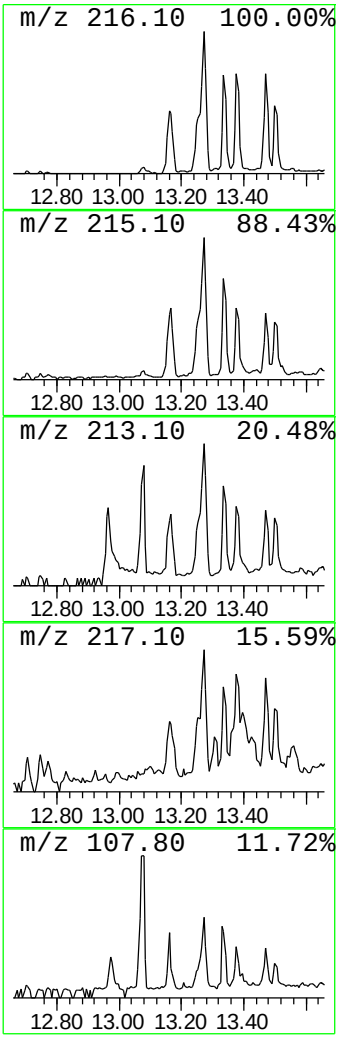
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.90 ng	82462	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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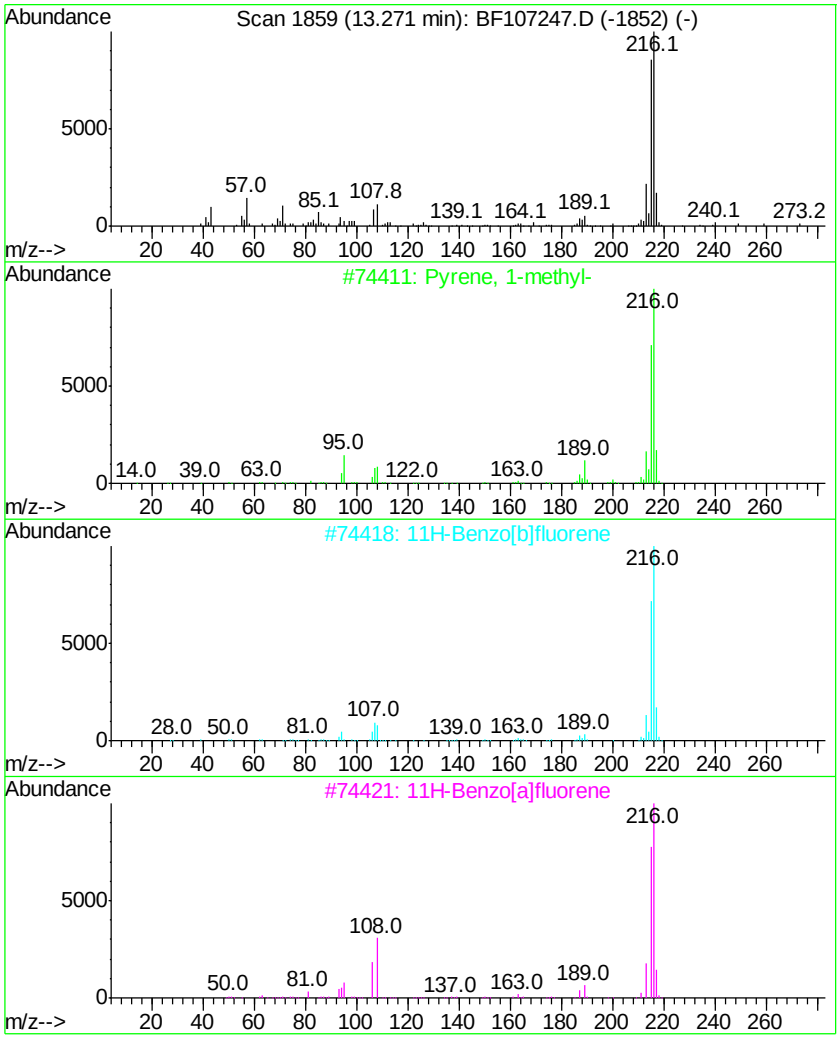
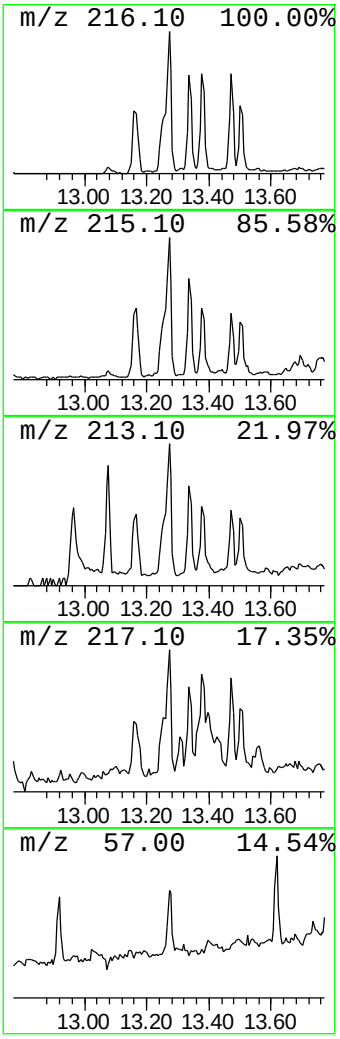
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	5.58 ng	158851	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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TIC Integration Parameters: LSCINT.P

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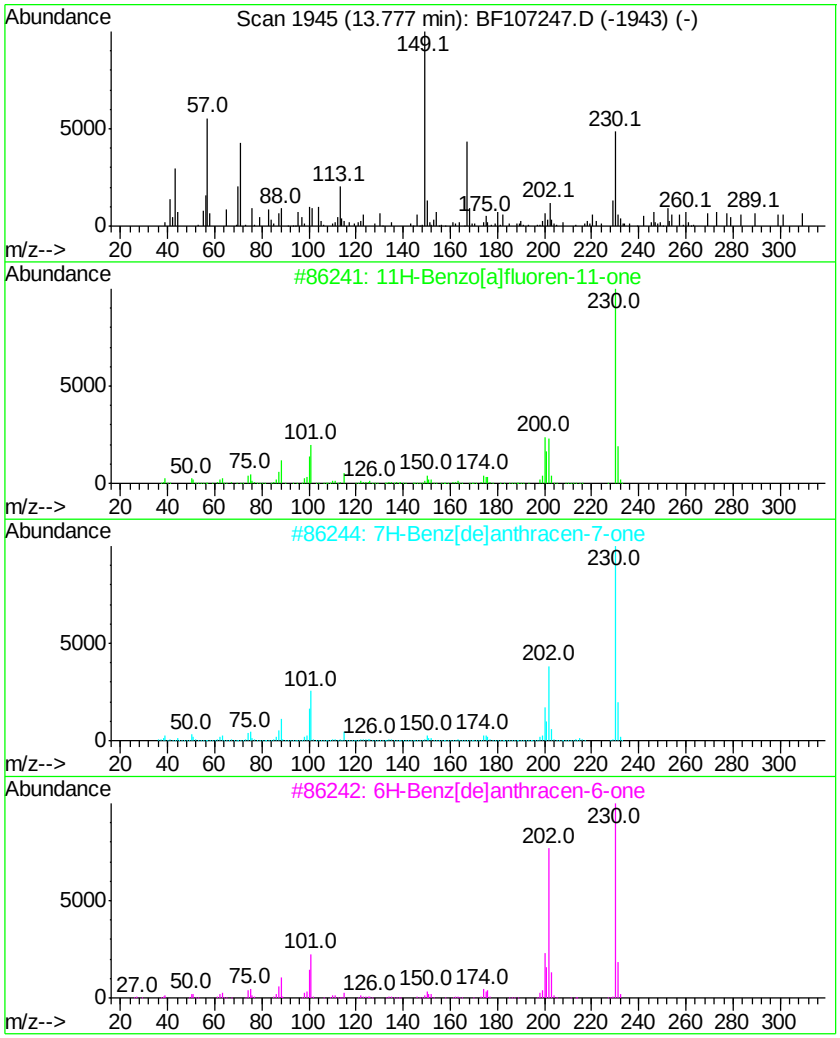
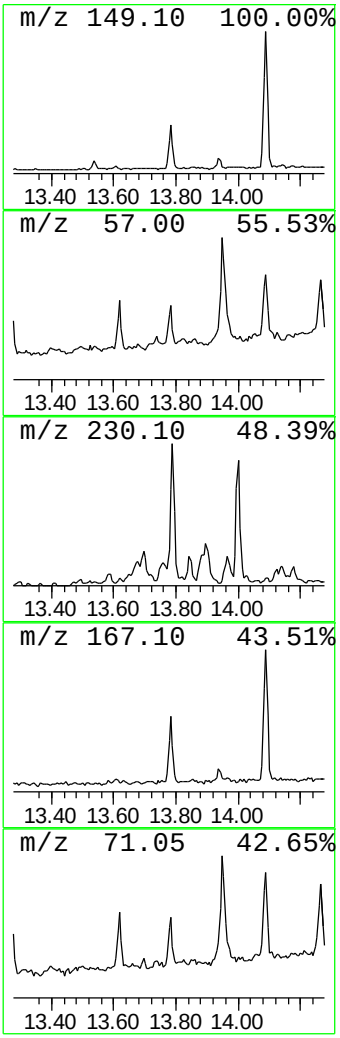
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.76 ng	78446	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	78
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
4	Stilbene, 2-hydroxy-4'-chloro-, ...	230	C14H11ClO	1000138-48-2	43
5	p-Terphenyl	230	C18H14	000092-94-4	43





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ClientSampleId : SURCHARGE-SP-20

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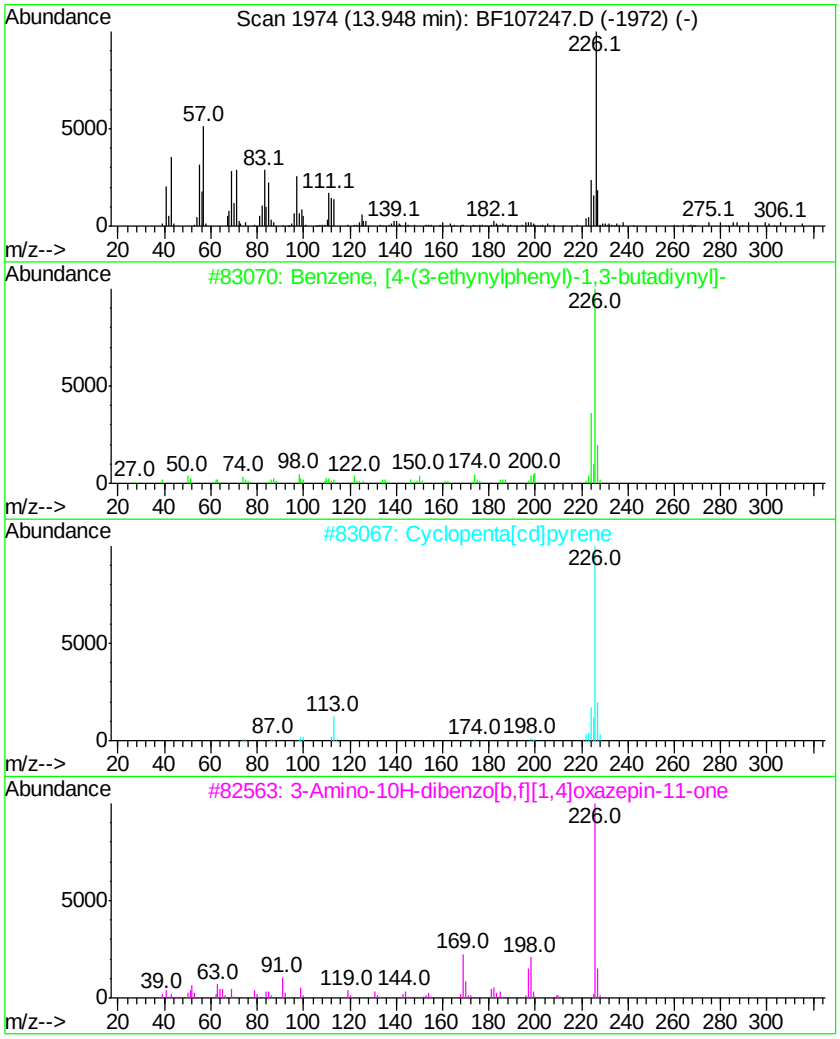
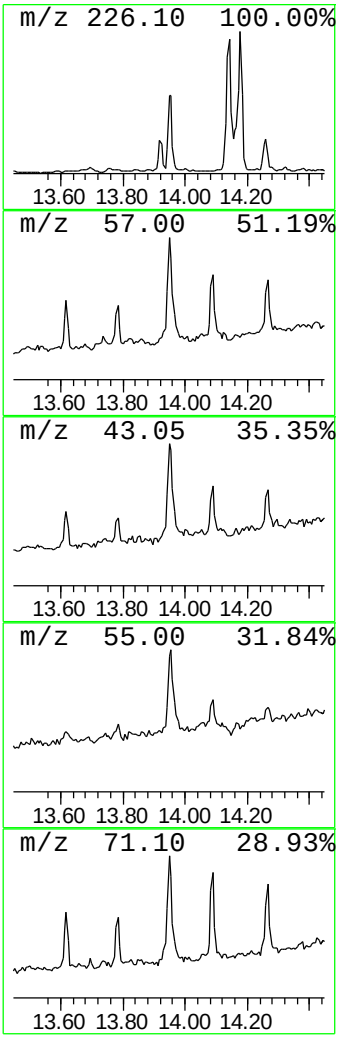
Peak Number 17 Benzene, [4-(3-ethynylpheny... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.65 ng	160827	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
3	3-Amino-10H-dibenzo[b,f][1,4]oxa...	226	C13H10N2O2	1000311-61-3	38
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37
5	2-Phenyl-4,5-methylenedioxybenza...	226	C14H10O3	004432-95-5	35





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TIC Integration Parameters: LSCINT.P

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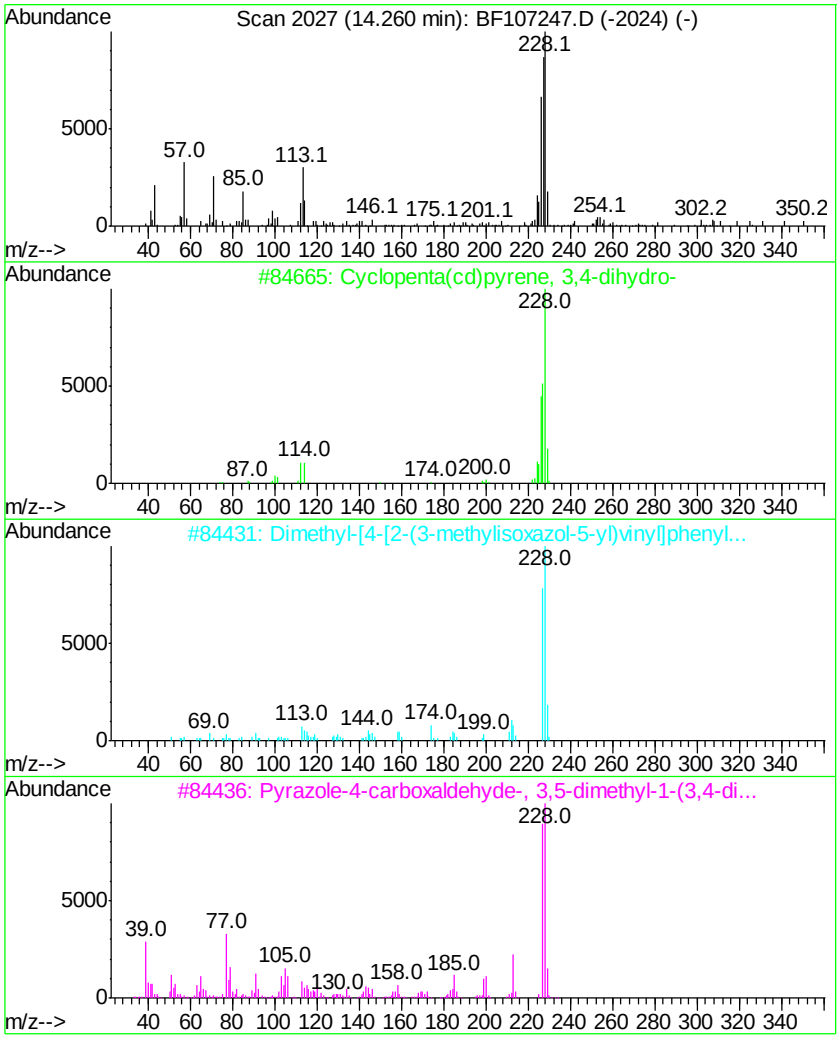
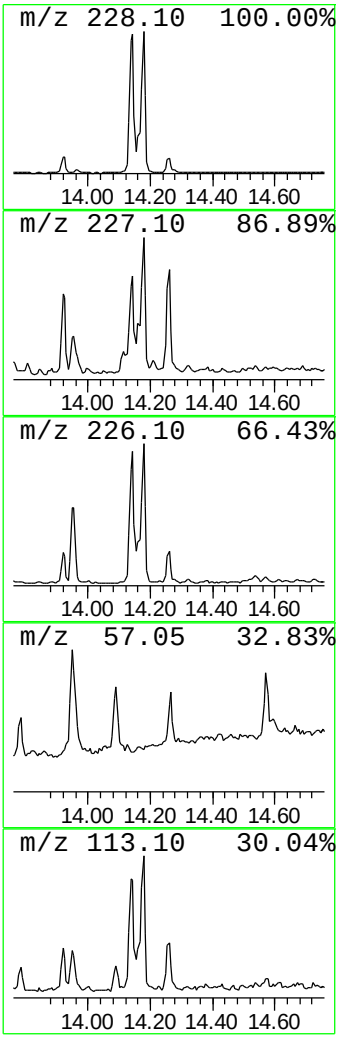
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.91 ng	82726	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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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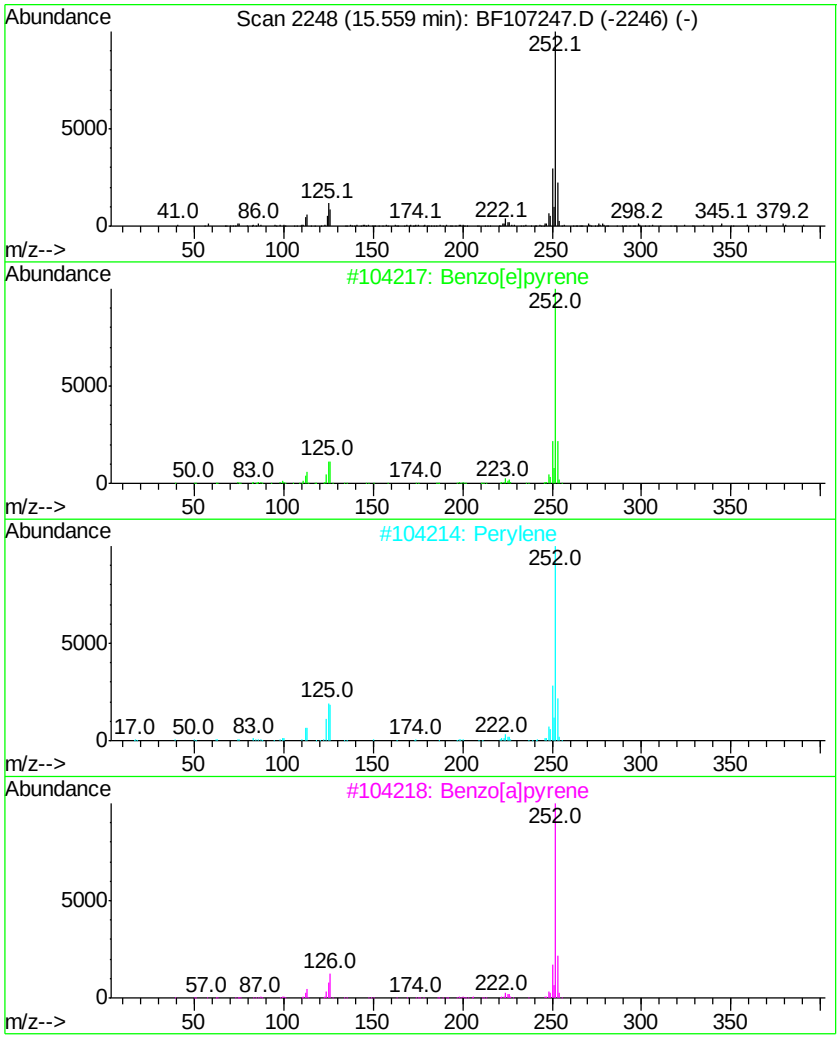
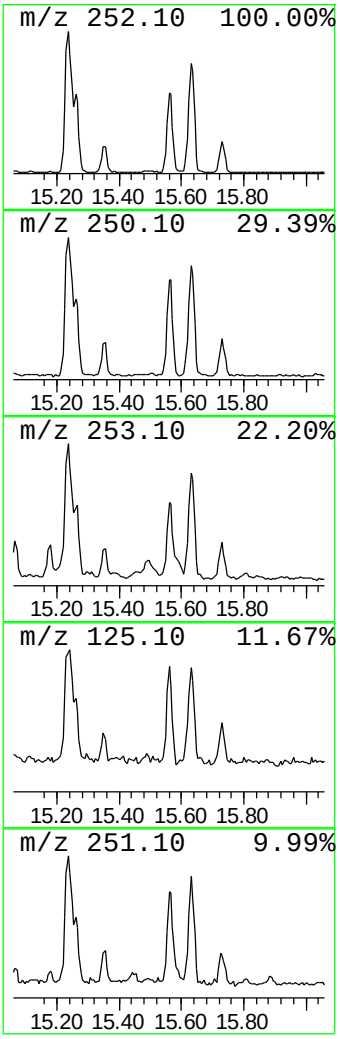
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	15.32 ng	107696	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
Data File : BF107247.D
Acq On : 9 Jul 2018 23:31
Operator : JU/SJ
Sample : J3880-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-20

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...	5.18	9.8	ng	128647	1	6.95	261304	20.0
unknown6.73	6.73	70.2	ng	916545	1	6.95	261304	20.0
Benzene, [1-(2,4-...	10.61	2.0	ng	34618	3	10.00	338619	20.0
Hexadecane, 2,6,1...	10.88	2.6	ng	41995	4	11.49	318758	20.0
9H-Fluorene, 2-me...	11.10	2.7	ng	43616	4	11.49	318758	20.0
unknown11.32	11.32	3.0	ng	47741	4	11.49	318758	20.0
Phenanthrene, 1-m...	12.00	3.6	ng	56750	4	11.49	318758	20.0
Phenanthrene, 2-m...	12.02	4.0	ng	64320	4	11.49	318758	20.0
4H-Cyclopenta[def...	12.11	6.7	ng	106899	4	11.49	318758	20.0
9,10-Bis(bromomet...	12.28	2.4	ng	37925	4	11.49	318758	20.0
Phenanthrene, 2,5...	12.54	3.6	ng	58048	4	11.49	318758	20.0
Cyclopenta(def)ph...	12.64	4.4	ng	69562	4	11.49	318758	20.0
Fluoranthene, 2-m...	13.16	2.9	ng	82462	5	14.15	568897	20.0
Pyrene, 1-methyl-	13.27	5.6	ng	158851	5	14.15	568897	20.0
11H-Benzo[a]fluor...	13.78	2.8	ng	78446	5	14.15	568897	20.0
Benzene, [4-(3-et...	13.95	5.7	ng	160827	5	14.15	568897	20.0
Cyclopenta(cd)pyr...	14.26	2.9	ng	82726	5	14.15	568897	20.0
Benzo[e]pyrene	15.56	15.3	ng	107696	6	15.69	140597	20.0