LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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	498	rVB	92406	115722	12.22%	0.971%
2	5.595	550	554	574	rBB	818442	806805	85.18%	6.767%
3	6.601	721	725	736	rBV	787278	814852	86.03%	6.835%
4	6.731	742	747	750	rBV	821681	793589	83.78%	6.656%
5	6.760	750	752	758	rVB3	11232	12734	1.34%	0.107%
6	6.948	780	784	789	rBB	265329	219864	23.21%	1.844%
7	7.101	806	810	814	rBV	677303	631931	66.71%	5.300%
8	7.513	876	880	889	rBV	498710	487938	51.51%	4.093%
9	8.230	999	1002	1005	rBV	285894	248566	26.24%	2.085%
10	8.254	1005	1006	1013	rVB2	33989	23680	2.50%	0.199%
11	8.948	1121	1124	1130	rBB	22044	20122	2.12%	0.169%
12	9.048	1138	1141	1145	rBB	10860	10429	1.10%	0.087%
13	9.301	1180	1184	1188	rBV	896759	832022	87.84%	6.979%
14	9.366	1192	1195	1199	rVV	14513	15197	1.60%	0.127%
15	9.407	1199	1202	1206	rVB	12024	10468	1.11%	0.088%
16	9.577	1226	1231	1235	rBV	7905	11497	1.21%	0.096%
17	9.648	1240	1243	1245	rVV	12961	12602	1.33%	0.106%
18	9.695	1245	1251	1257	rVB	188438	171741	18.13%	1.440%
19	9.854	1274	1278	1282	rBV	36561	33062	3.49%	0.277%
20	9.895	1282	1285	1289	rVB	17256	14786	1.56%	0.124%
21	9.995	1298	1302	1305	rBV	262630	248315	26.22%	2.083%
22	10.024	1305	1307	1313	rVB	25037	19131	2.02%	0.160%
23	10.201	1332	1337	1339	rBV2	18125	21325	2.25%	0.179%
24	10.395	1366	1370	1372	rBV2	24700	19892	2.10%	0.167%
25	10.542	1391	1395	1401	rVB2	24748	28048	2.96%	0.235%
26	10.613	1401	1407	1412	rBV3	11659	18666	1.97%	0.157%
27	10.701	1416	1422	1424	rVB3	9447	12225	1.29%	0.103%
28	10.789	1433	1437	1443	rBV	510097	503359	53.14%	4.222%
29	10.877	1448	1452	1455	rVV2	19478	25704	2.71%	0.216%
30	11.242	1512	1514	1519	rVB2	9714	12285	1.30%	0.103%
31	11.295	1519	1523	1525	rBV	16483	17478	1.85%	0.147%
32	11.324	1525	1528	1530	rBV3	12834	15264	1.61%	0.128%
33	11.383	1536	1538	1542	rVB	13891	13527	1.43%	0.113%
34	11.489	1552	1556	1558	rBV	326373	278736	29.43%	2.338%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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	11.513	1558	1560	1564	rVB	259040	209173	22.08%	1.754%
36	11.566	1566	1569	1573	rBV	131242	111504	11.77%	0.935%
37	11.724	1593	1596	1598	rBV	32599	30611	3.23%	0.257%
38	11.748	1598	1600	1603	rVB2	19292	17148	1.81%	0.144%
39	11.824	1610	1613	1617	rVB3	14799	17101	1.81%	0.143%
40	11.989	1638	1641	1644	rBV	49528	48407	5.11%	0.406%
41	12.024	1644	1647	1649	rVV	62085	58424	6.17%	0.490%
42	12.071	1651	1655	1657	rVV	40785	34277	3.62%	0.287%
43	12.107	1657	1661	1663	rVV2	78362	87758	9.26%	0.736%
44	12.130	1663	1665	1667	rVB	41215	32078	3.39%	0.269%
45	12.154	1667	1669	1673	rBV2	10598	12239	1.29%	0.103%
46	12.283	1688	1691	1696	rBV	48845	44879	4.74%	0.376%
47	12.324	1696	1698	1701	rVB2	25932	22164	2.34%	0.186%
48	12.436	1712	1717	1720	rBV3	25225	33571	3.54%	0.282%
49	12.465	1720	1722	1725	rVV	23480	18677	1.97%	0.157%
50	12.495	1725	1727	1730	rVB	15127	12123	1.28%	0.102%
51	12.542	1732	1735	1738	rBV	71982	71741	7.57%	0.602%
52	12.583	1738	1742	1744	rVV2	26669	37570	3.97%	0.315%
53	12.642	1747	1752	1760	rBV3	38540	59313	6.26%	0.497%
54	12.713	1760	1764	1768	rBV	553097	520958	55.00%	4.370%
55	12.771	1772	1774	1777	rVB2	17435	15574	1.64%	0.131%
56	12.807	1778	1780	1783	rBV	22574	19301	2.04%	0.162%
57	12.865	1787	1790	1792	rVV2	25442	30420	3.21%	0.255%
58	12.924	1796	1800	1801	rVV	118008	115221	12.16%	0.966%
59	12.948	1801	1804	1809	rVV	523608	480100	50.69%	4.027%
60	12.989	1809	1811	1815	rVB	37736	40323	4.26%	0.338%
61	13.077	1821	1826	1829	rBV	978648	947220	100.00%	7.945%
62	13.107	1829	1831	1835	rVB	32877	36692	3.87%	0.308%
63	13.165	1835	1841	1846	rBV4	47843	105687	11.16%	0.886%
64	13.271	1857	1859	1862	rVB2	105300	88042	9.29%	0.738%
65	13.336	1868	1870	1873	rBV	55992	49218	5.20%	0.413%
66	13.377	1873	1877	1880	rBV2	55384	66972	7.07%	0.562%
67	13.471	1891	1893	1896	rBV	40549	35723	3.77%	0.300%
68	13.501	1896	1898	1901	rVV	39136	39627	4.18%	0.332%
69	13.618	1916	1918	1921	rBV	40554	31086	3.28%	0.261%
70	13.789	1944	1947	1950	rBV	55809	51043	5.39%	0.428%
71	13.895	1963	1965	1967	rBV	48597	43914	4.64%	0.368%

LSC Area Percent Report

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Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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	13.918	1967	1969	1972	rVV	41342	35564	3.75%	0.298%
73	13.948	1972	1974	1980	rVV3	122059	158510	16.73%	1.329%
74	14.001	1981	1983	1986	rVB	44466	36773	3.88%	0.308%
75	14.148	2003	2008	2011	rBV2	320830	484015	51.10%	4.060%
76	14.177	2011	2013	2017	rVB	229912	182054	19.22%	1.527%
77	14.265	2025	2028	2032	rVB2	54171	64098	6.77%	0.538%
78	14.571	2078	2080	2083	rBV	59643	52014	5.49%	0.436%
79	15.236	2189	2193	2201	rVB	161825	324581	34.27%	2.722%
80	15.559	2245	2248	2256	rVB	77712	94645	9.99%	0.794%
81	15.630	2256	2260	2267	rBV	116579	178607	18.86%	1.498%
82	15.695	2268	2271	2274	rBV	106682	114283	12.07%	0.959%

Sum of corrected areas: 11922585

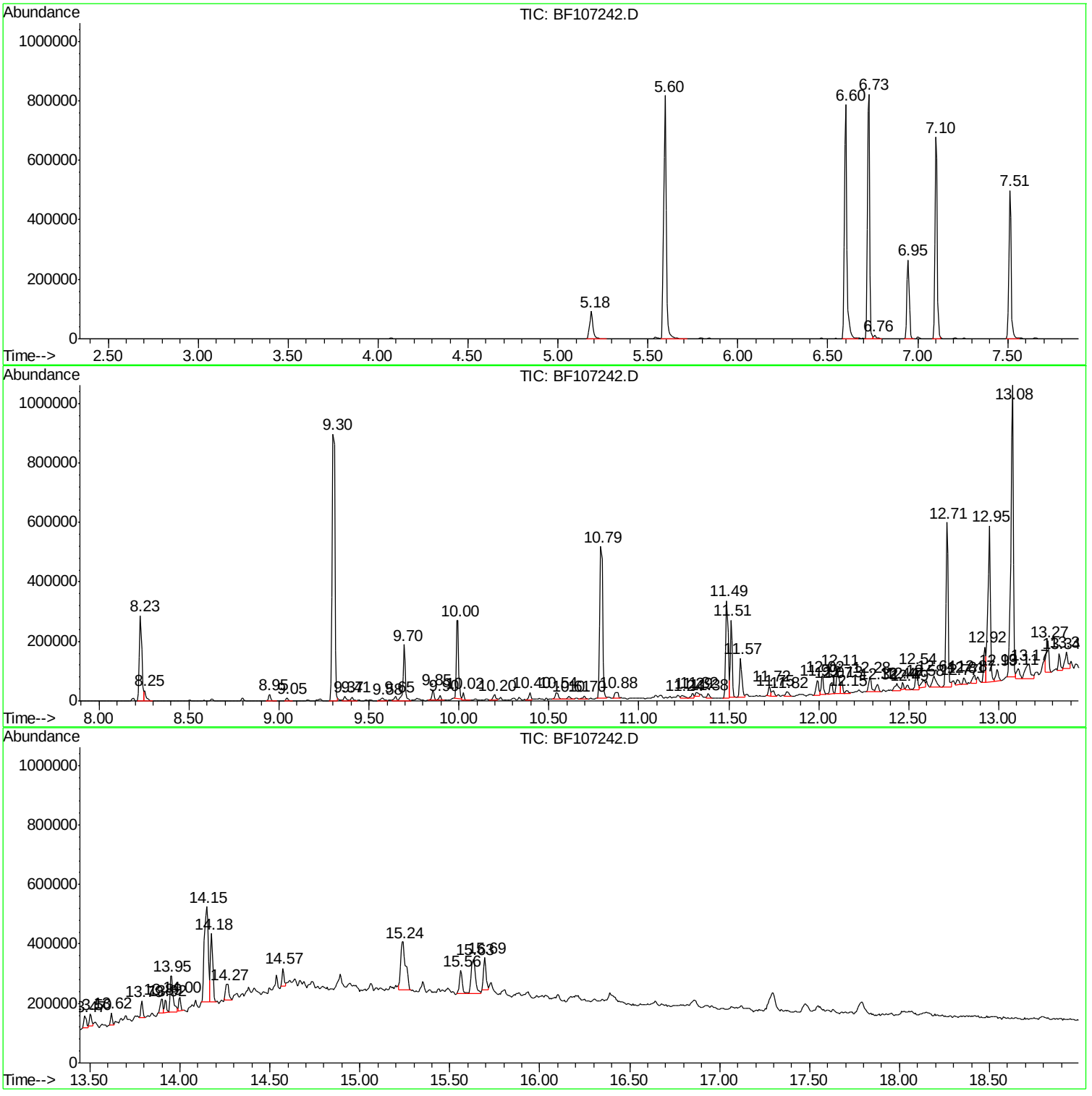
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

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 : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

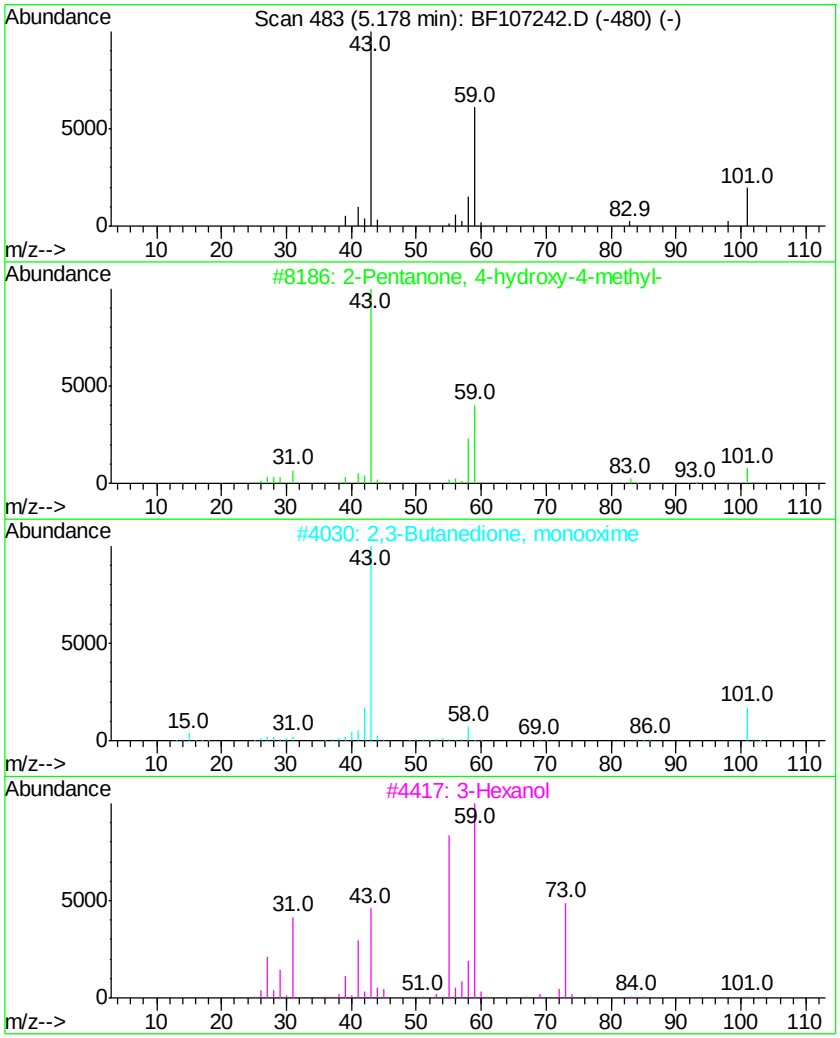
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

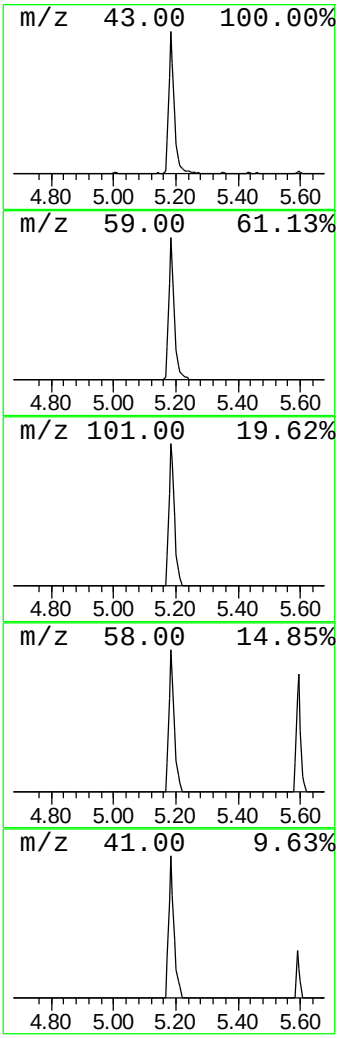
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	10.53 ng	115722	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	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

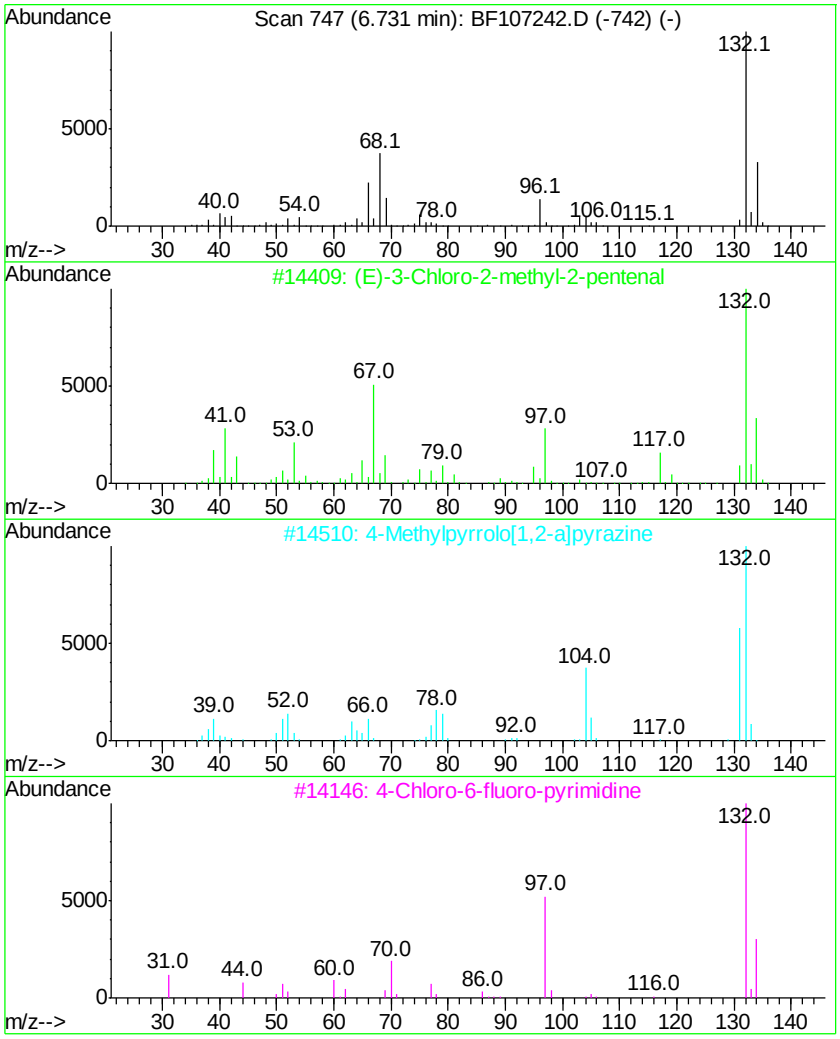
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

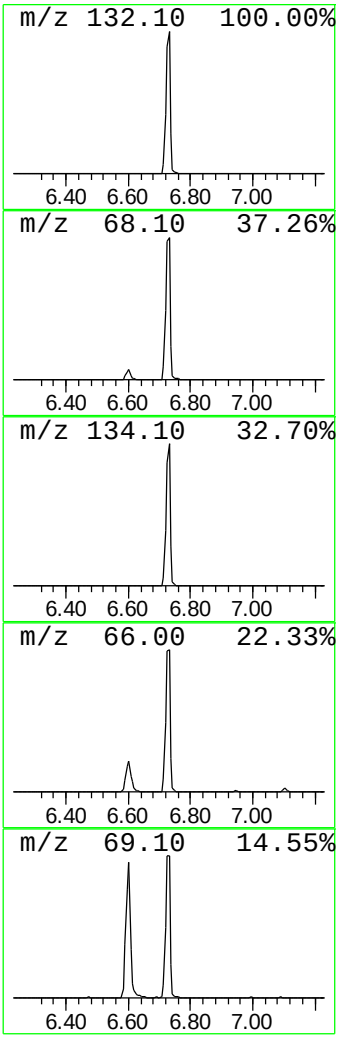
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	72.19 ng	793589	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	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

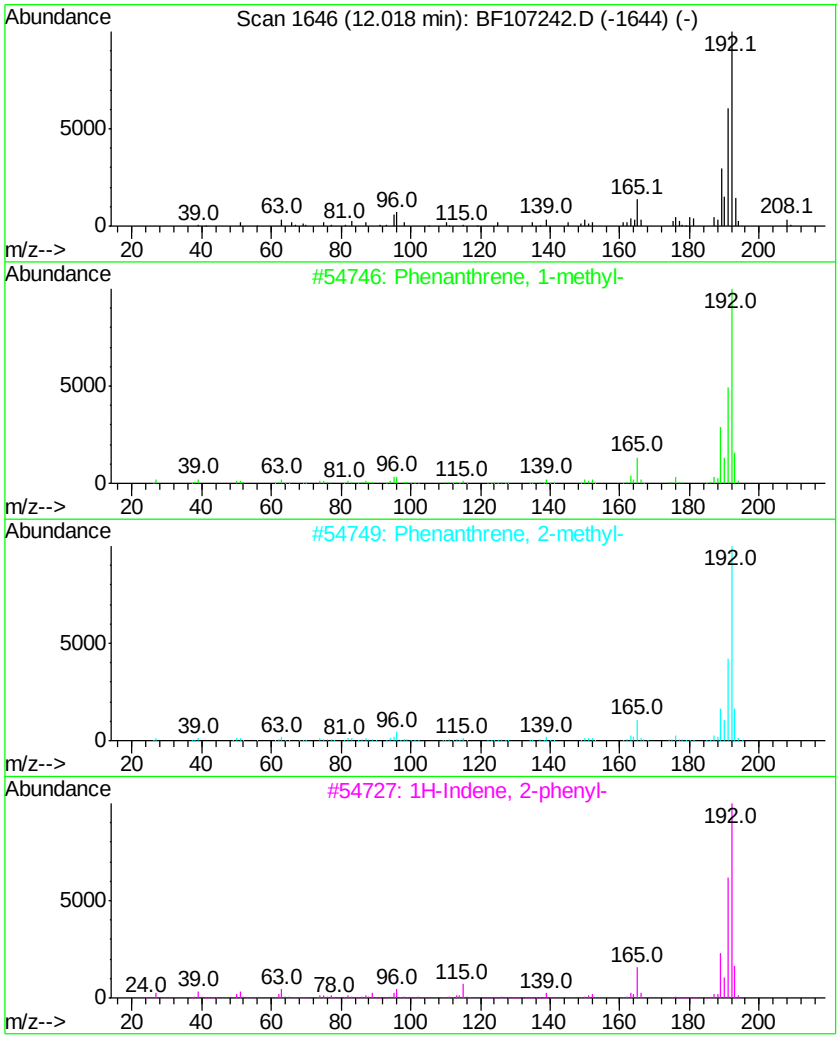
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

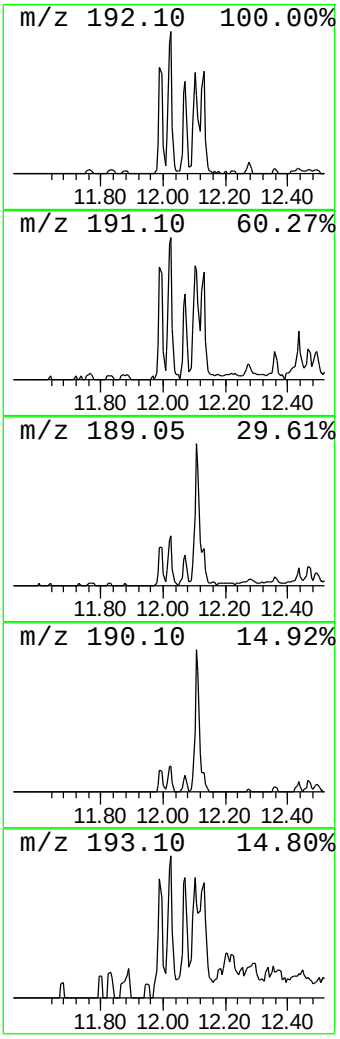
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.19 ng	58424	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

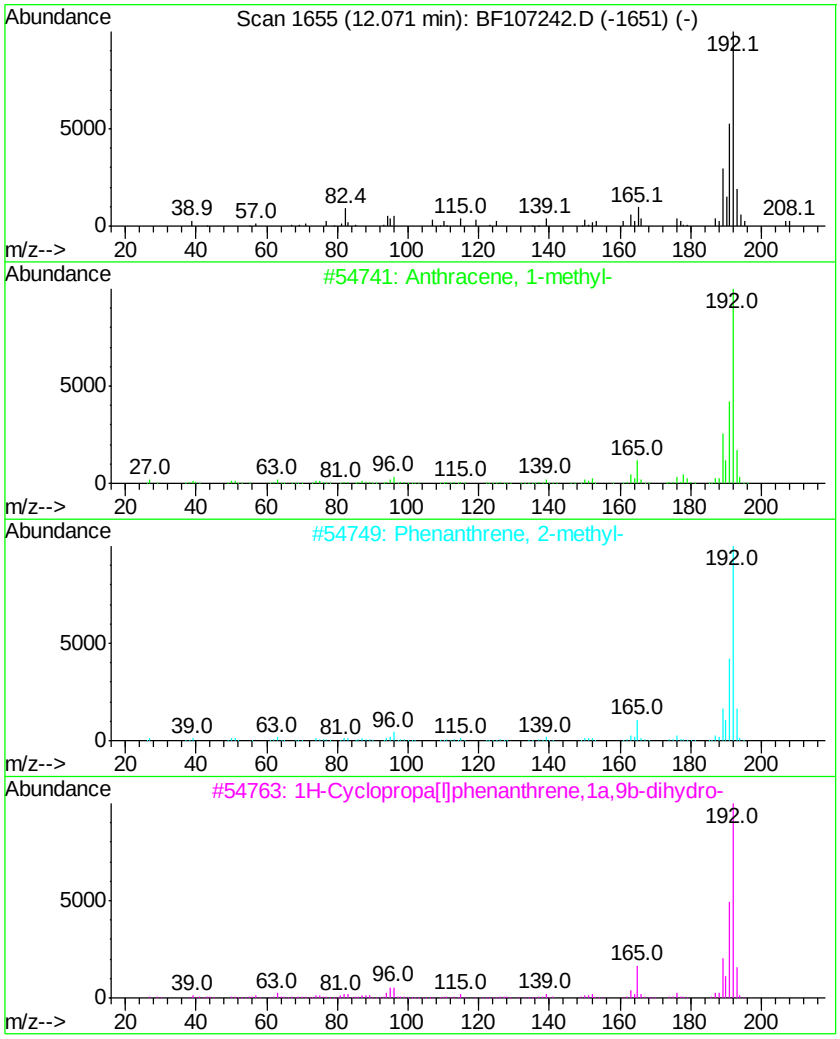
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

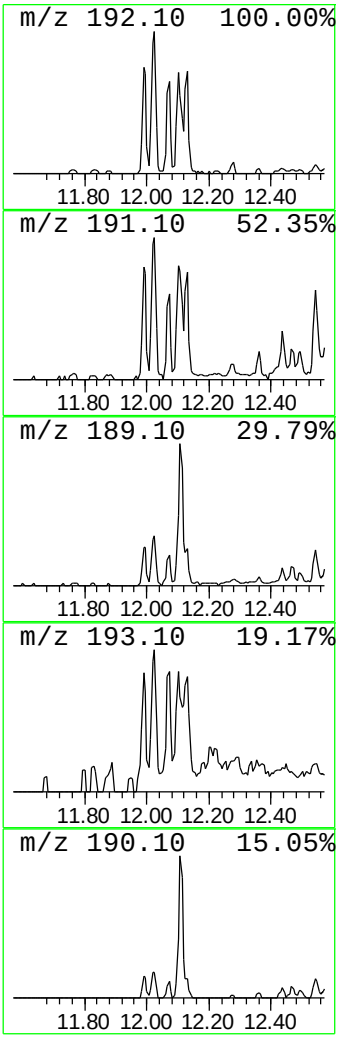
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.46 ng	34277	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

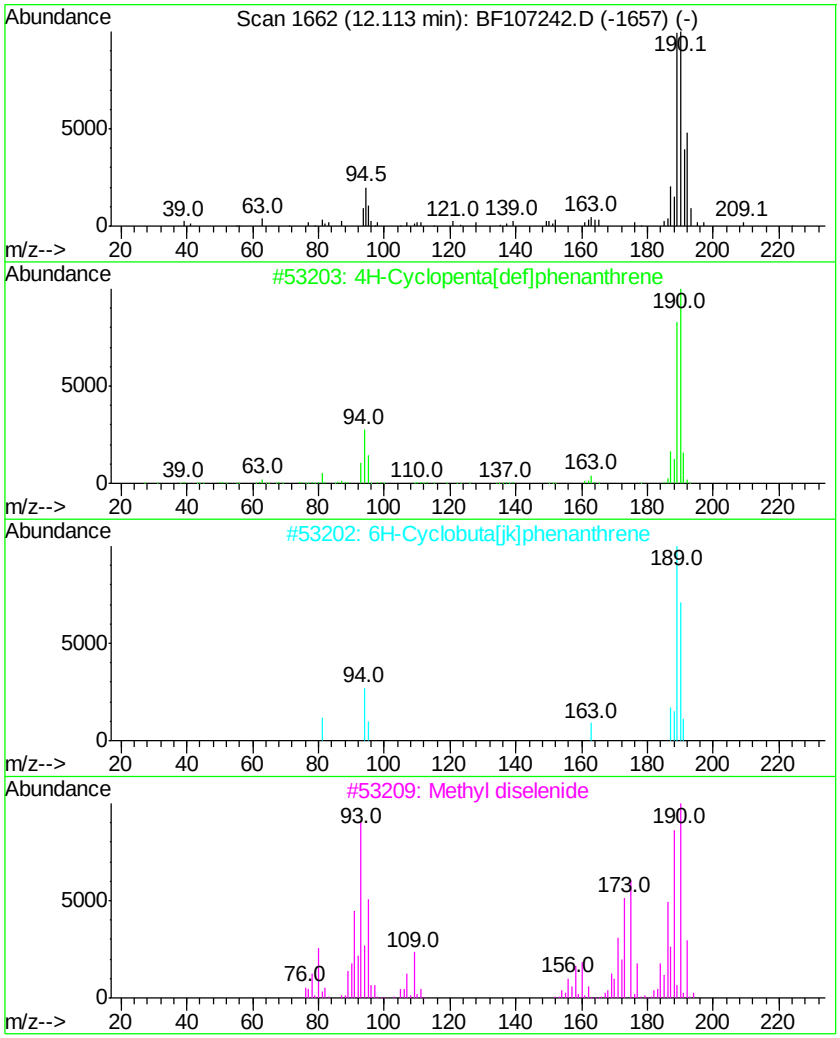
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

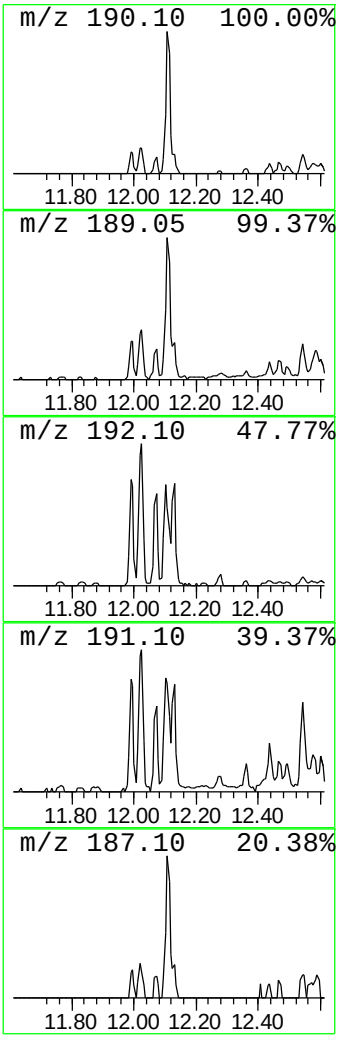
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.30 ng	87758	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	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	43
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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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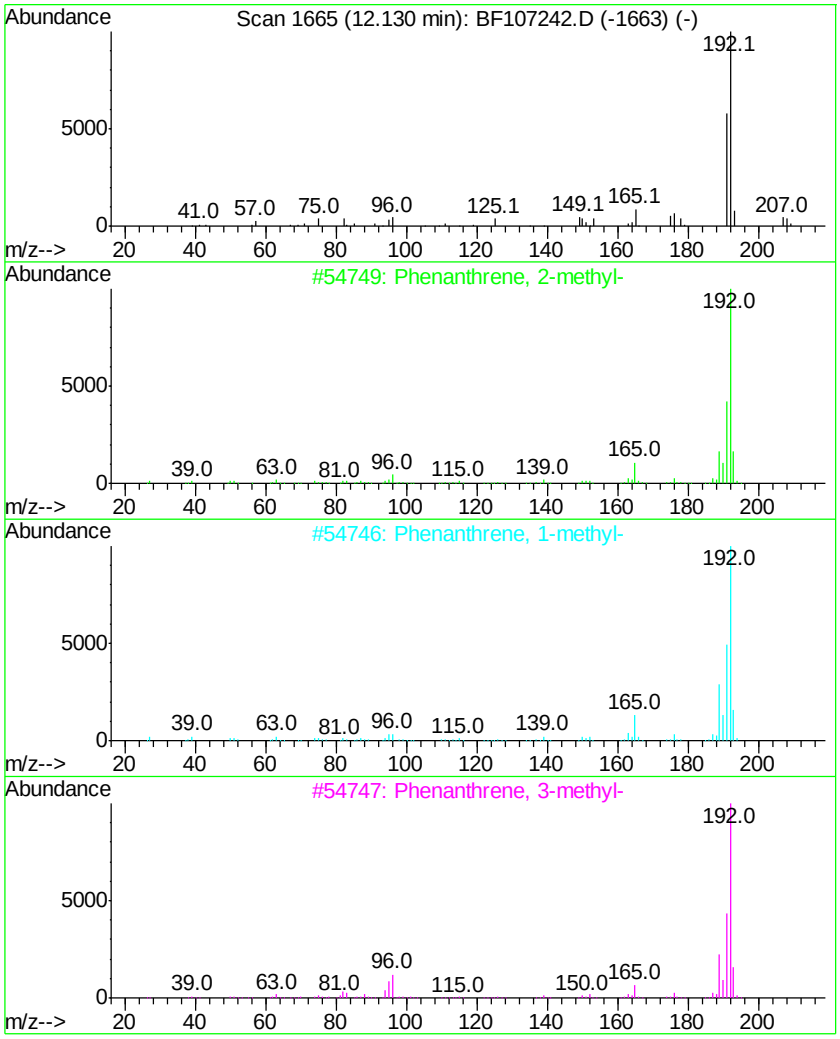
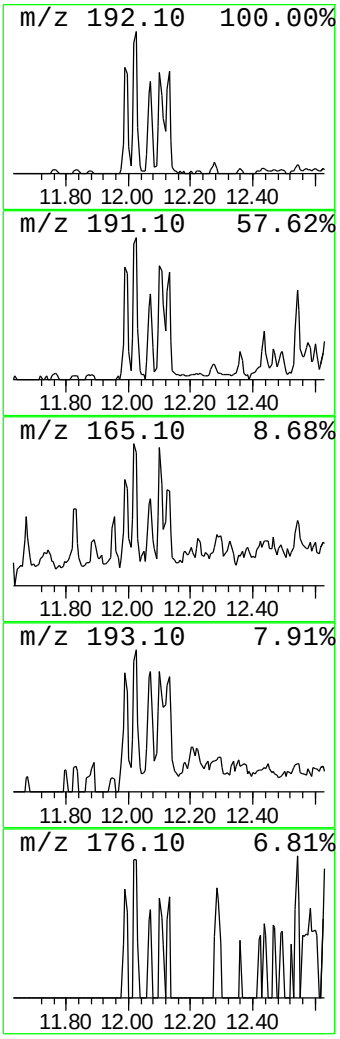
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.30 ng	32078	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	59
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	59
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50





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Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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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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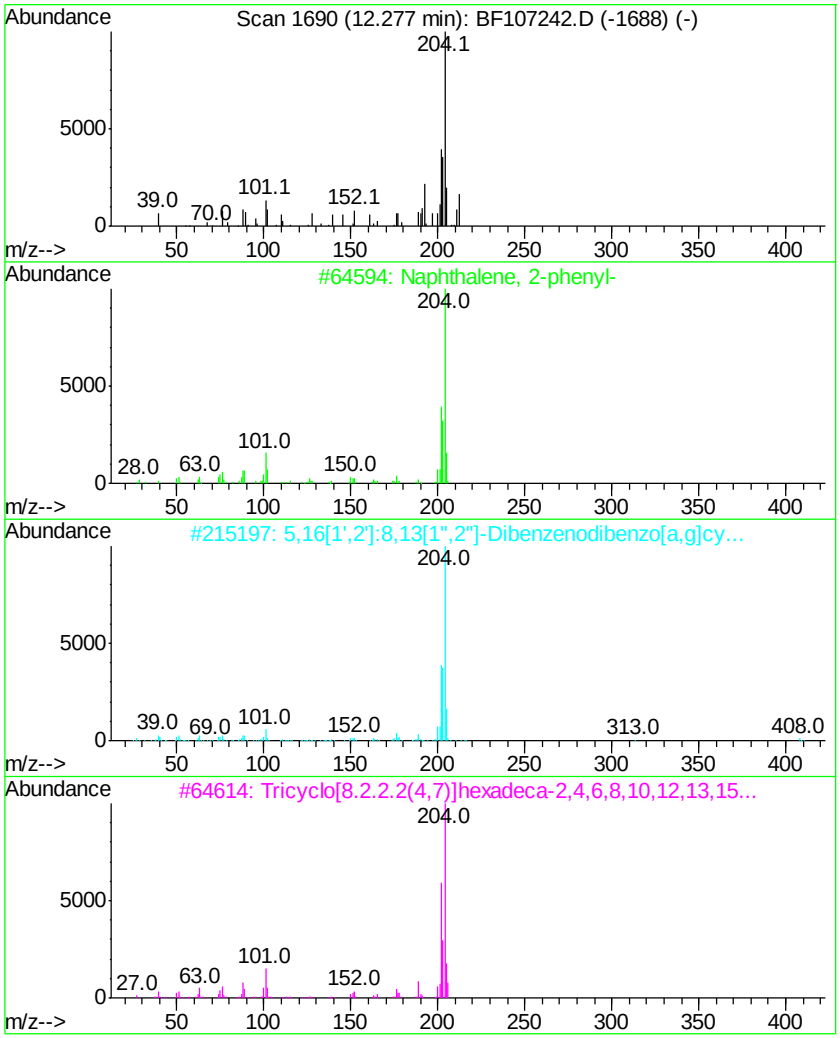
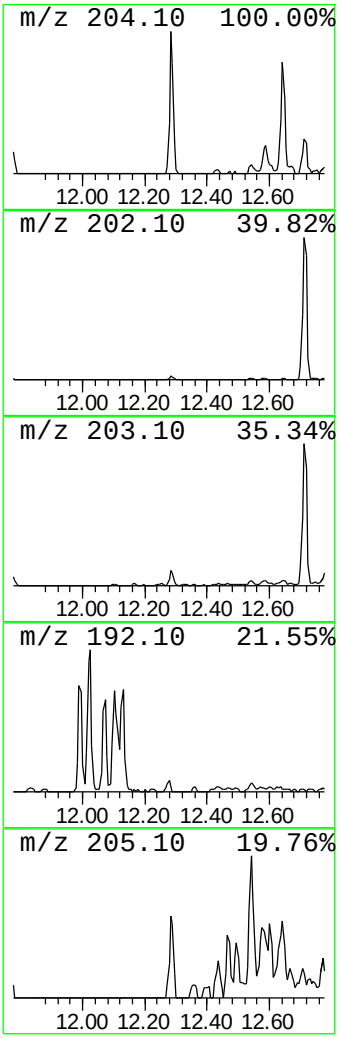
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.22 ng	44879	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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ClientSampleId : SURCHARGE-SP-9

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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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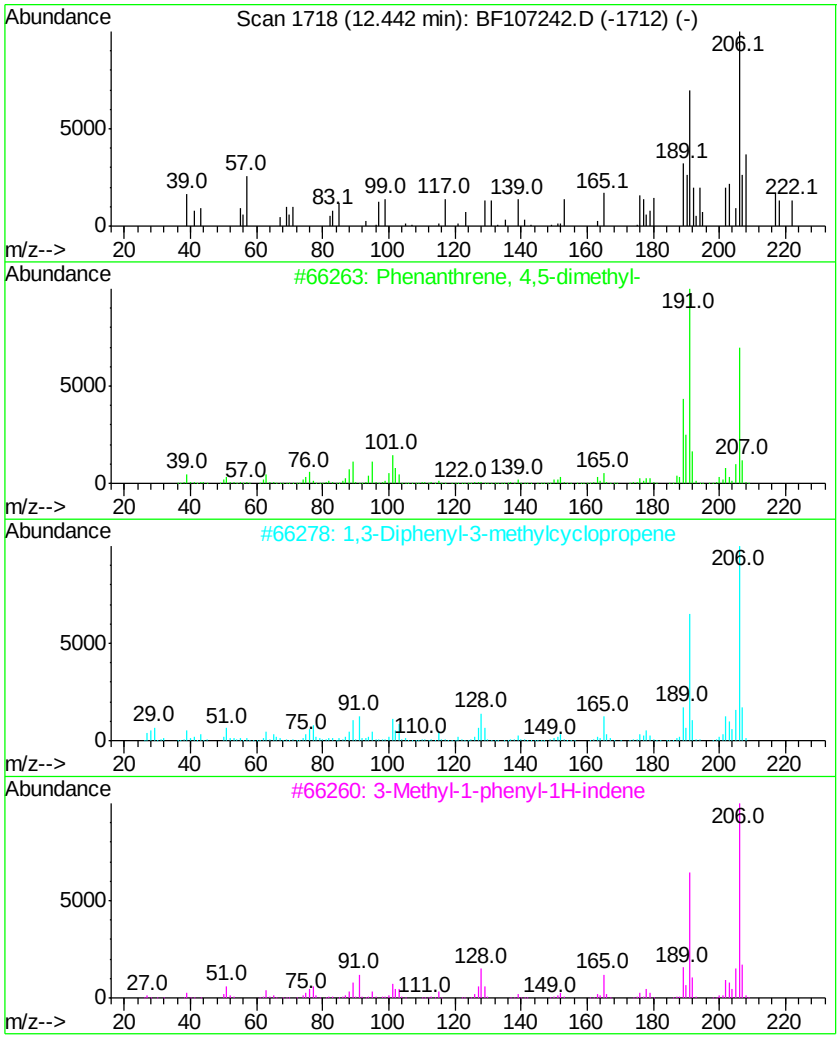
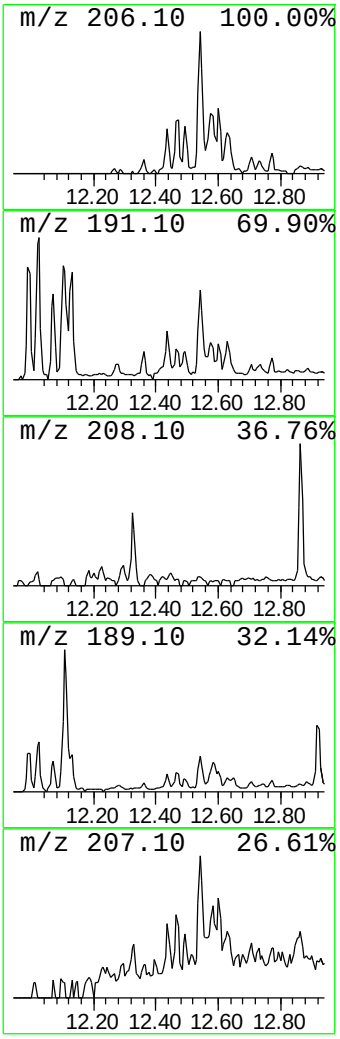
Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.41 ng	33571	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	76
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	72





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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

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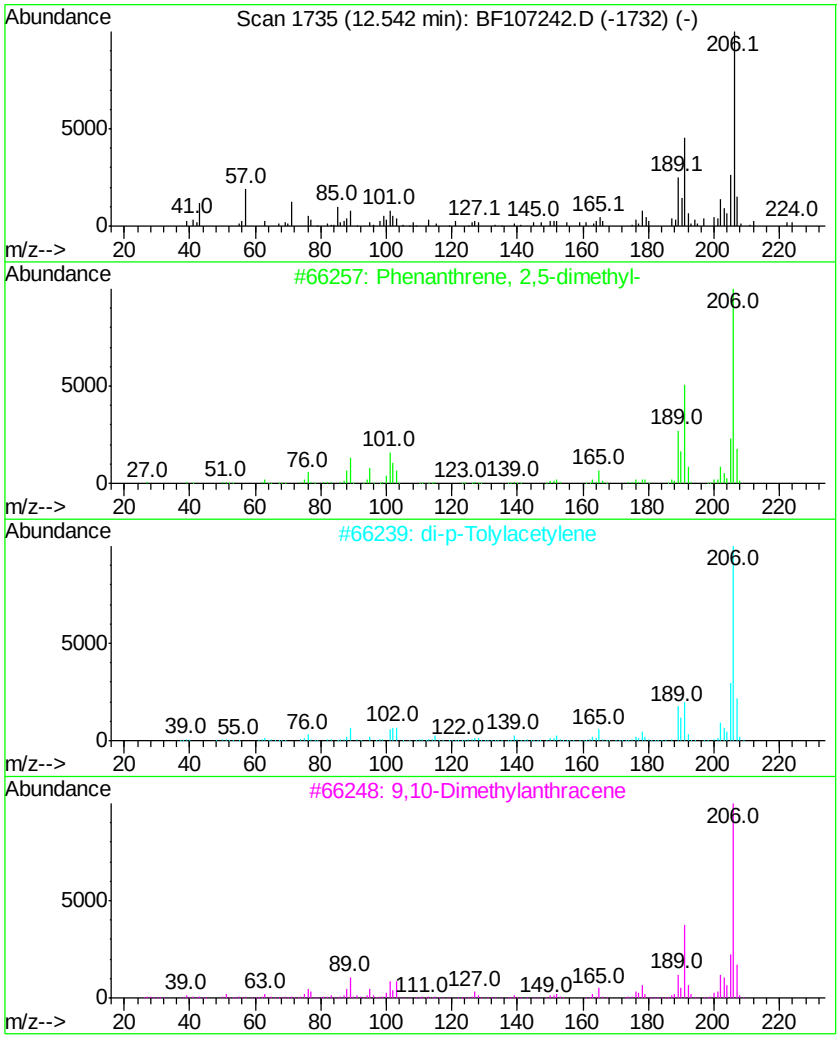
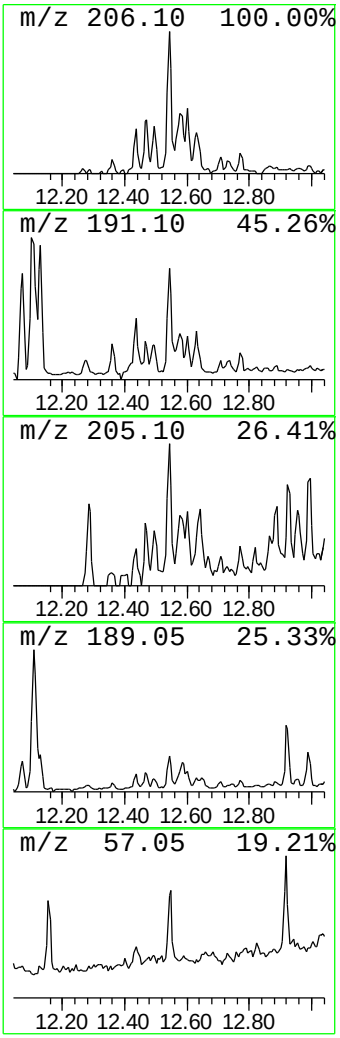
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	5.15 ng	71741	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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

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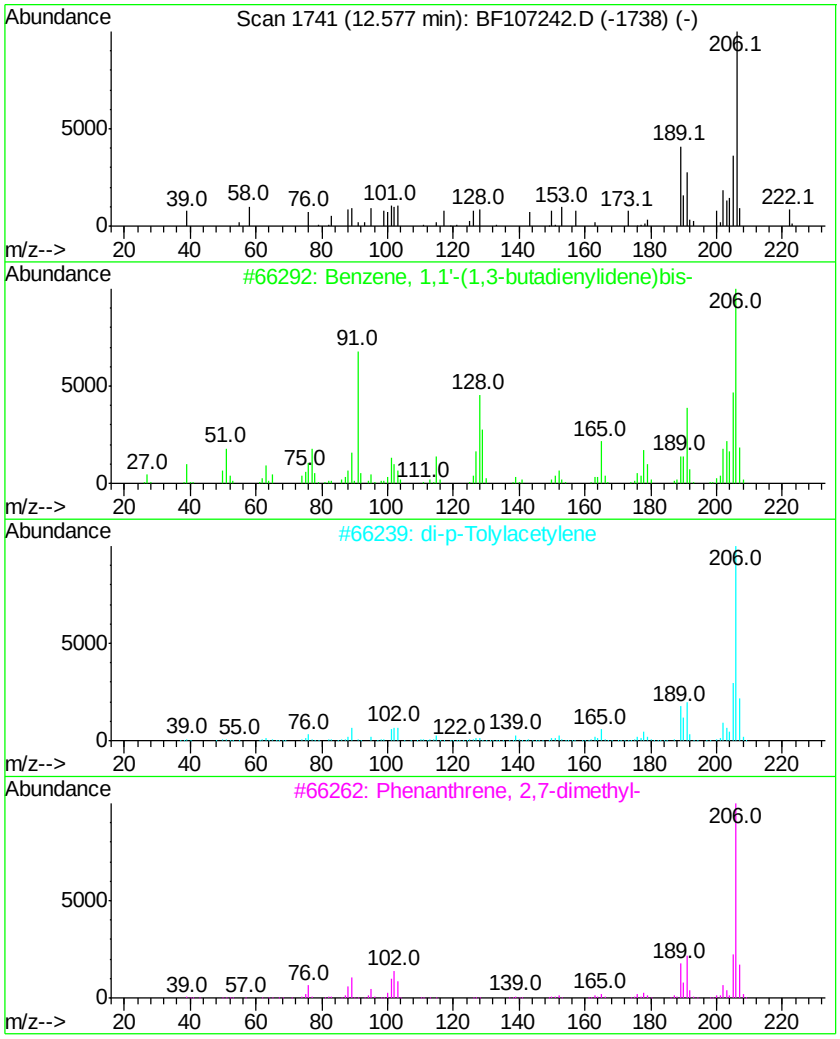
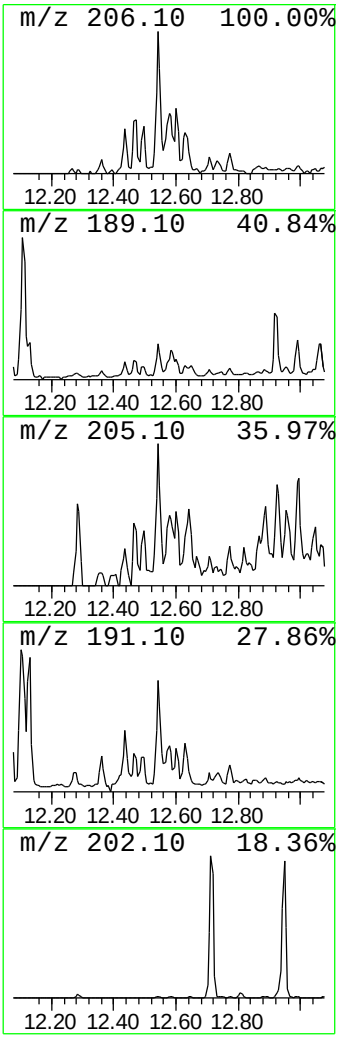
Peak Number 12 Benzene, 1,1'-(1,3-butadien... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.70 ng	37570	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	50
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	50
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	45
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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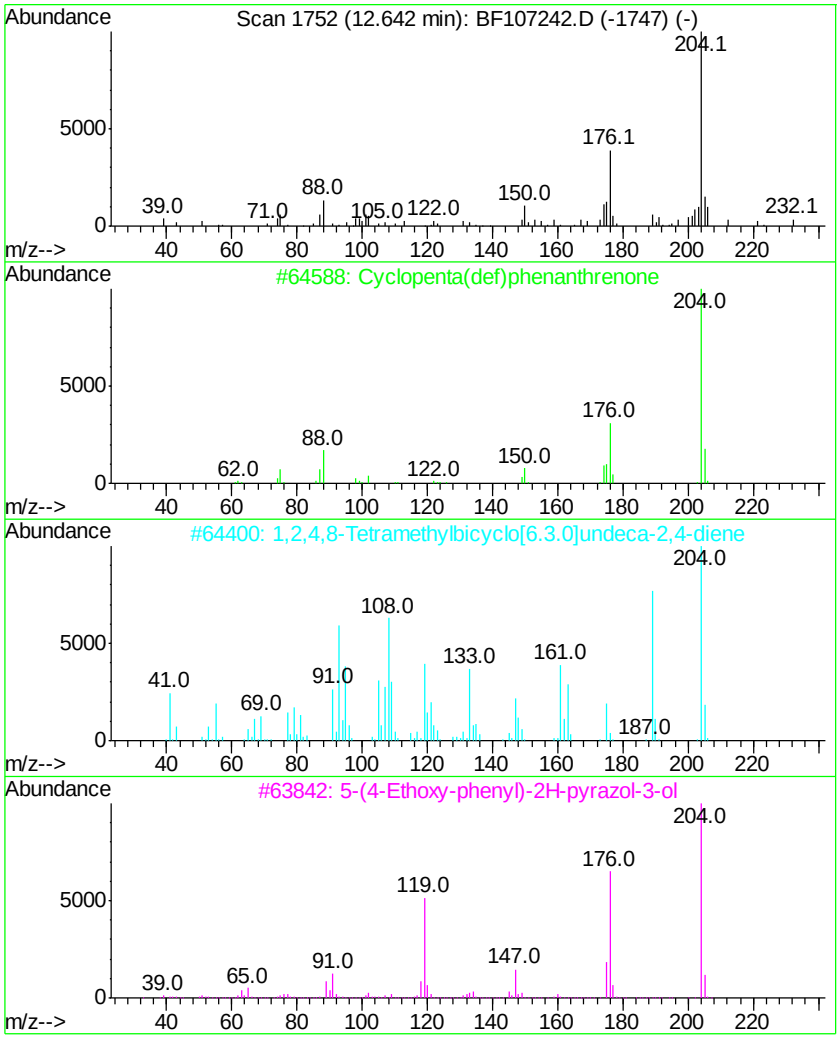
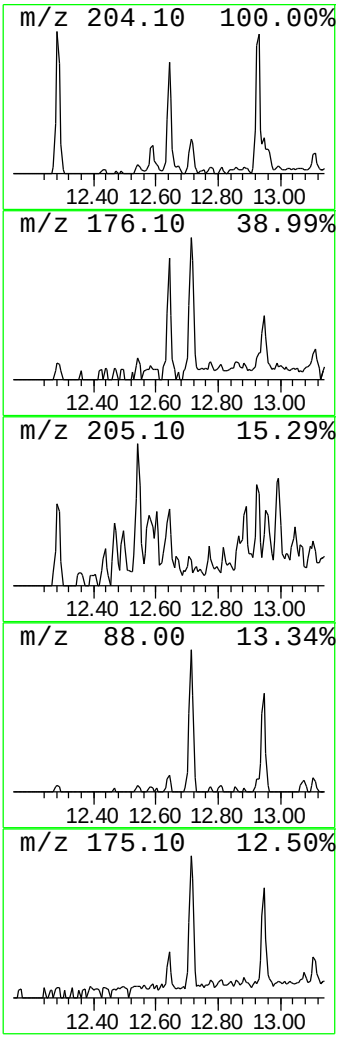
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	4.26 ng	59313	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	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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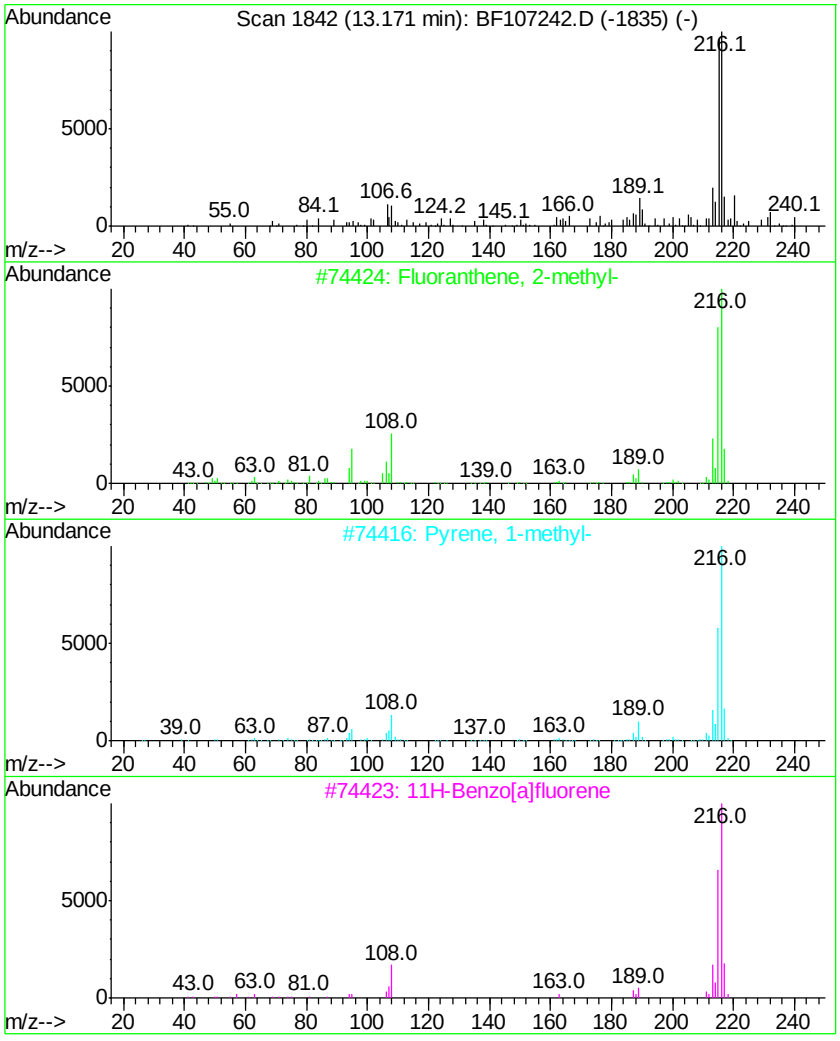
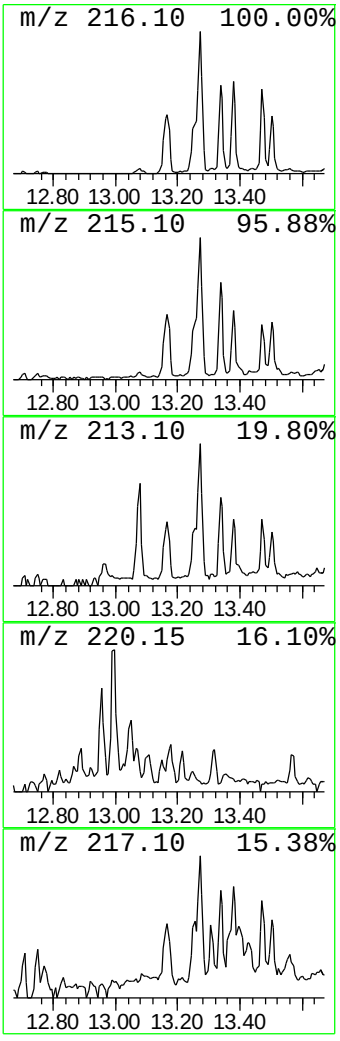
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.37 ng	105687	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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ClientSampleId : SURCHARGE-SP-9

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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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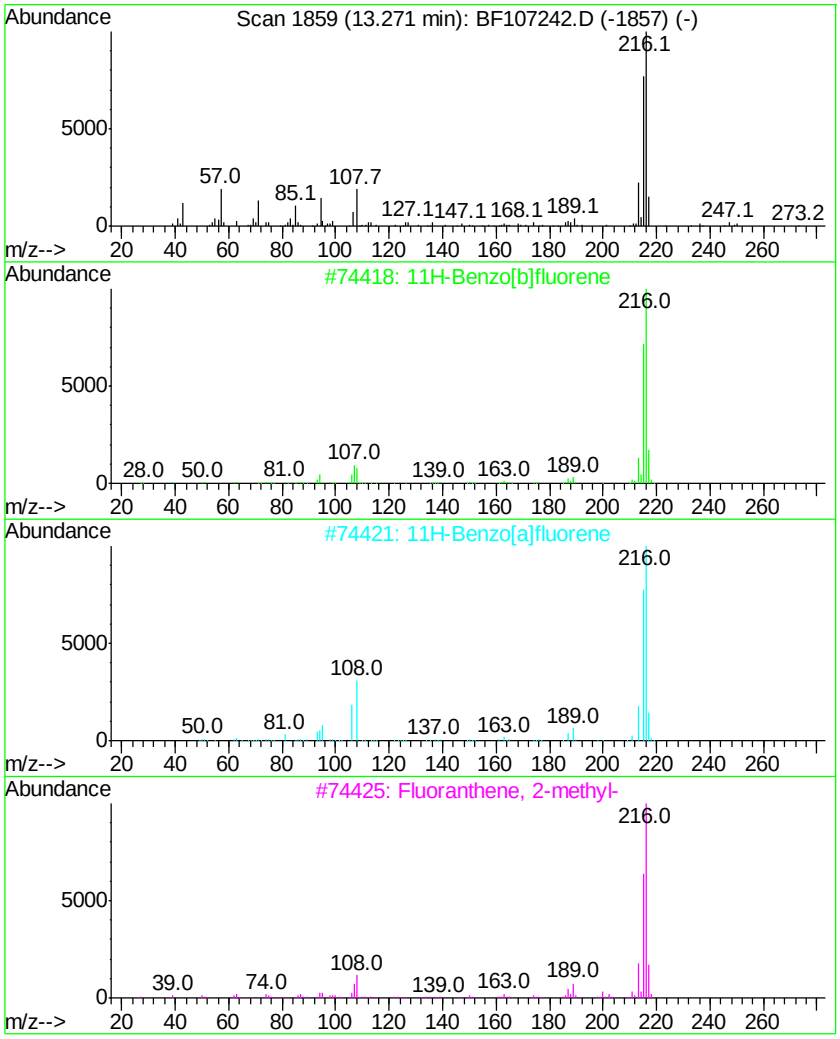
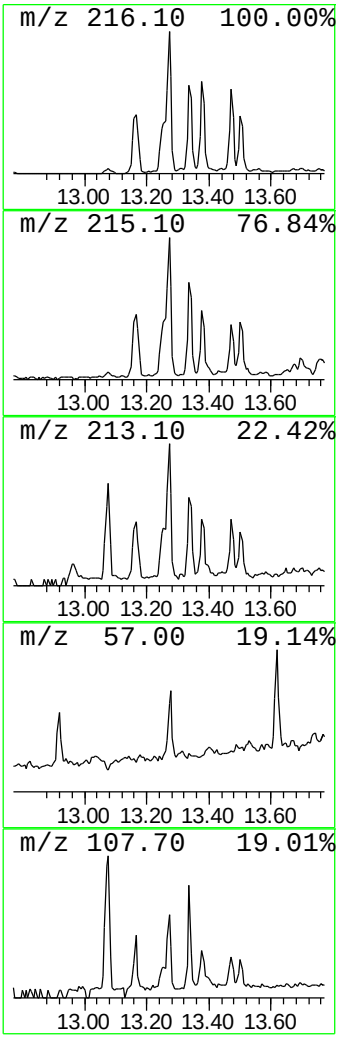
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.64 ng	88042	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





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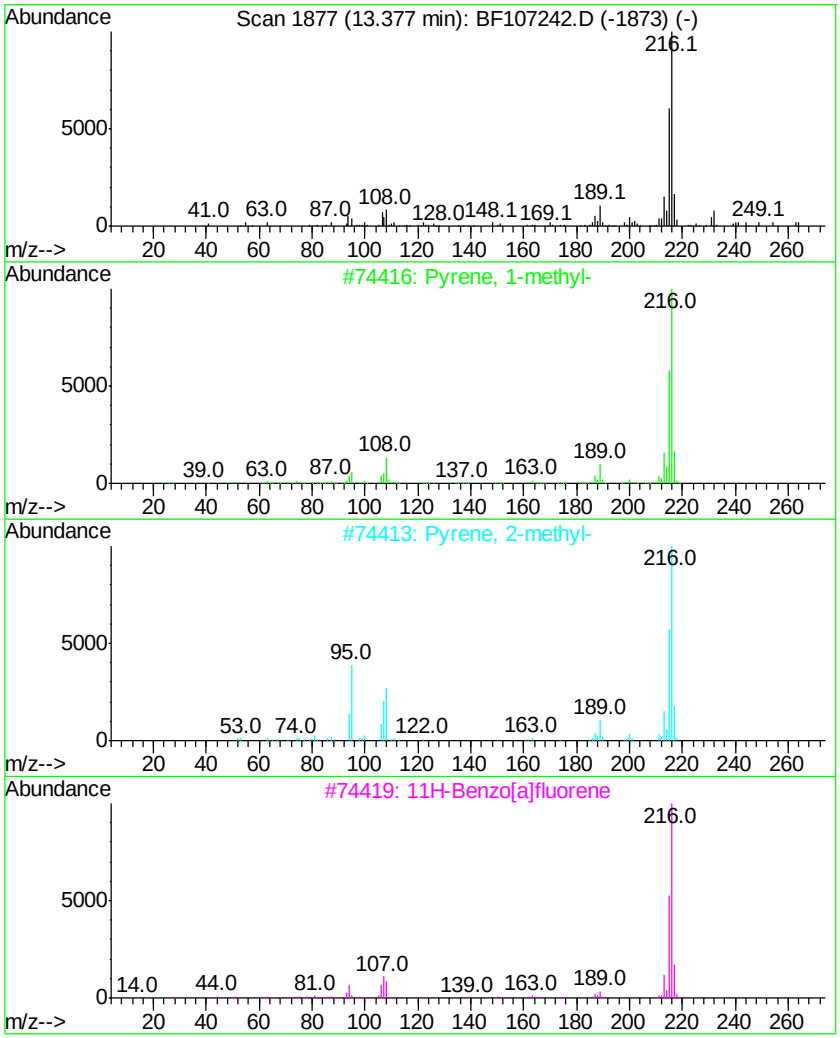
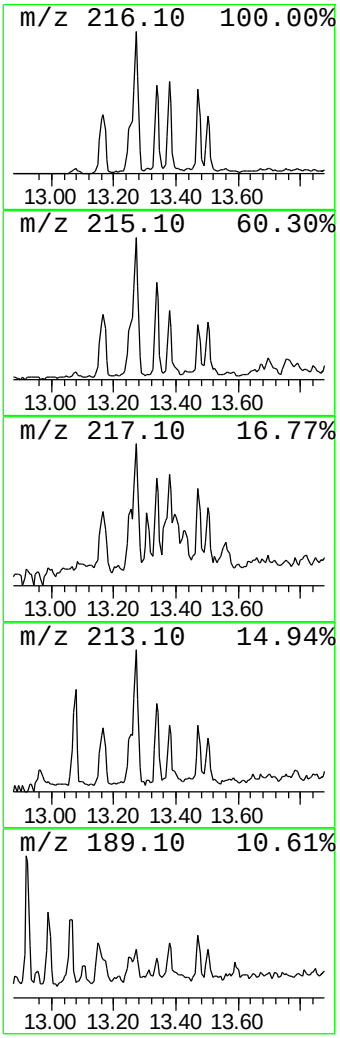
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.77 ng	66972	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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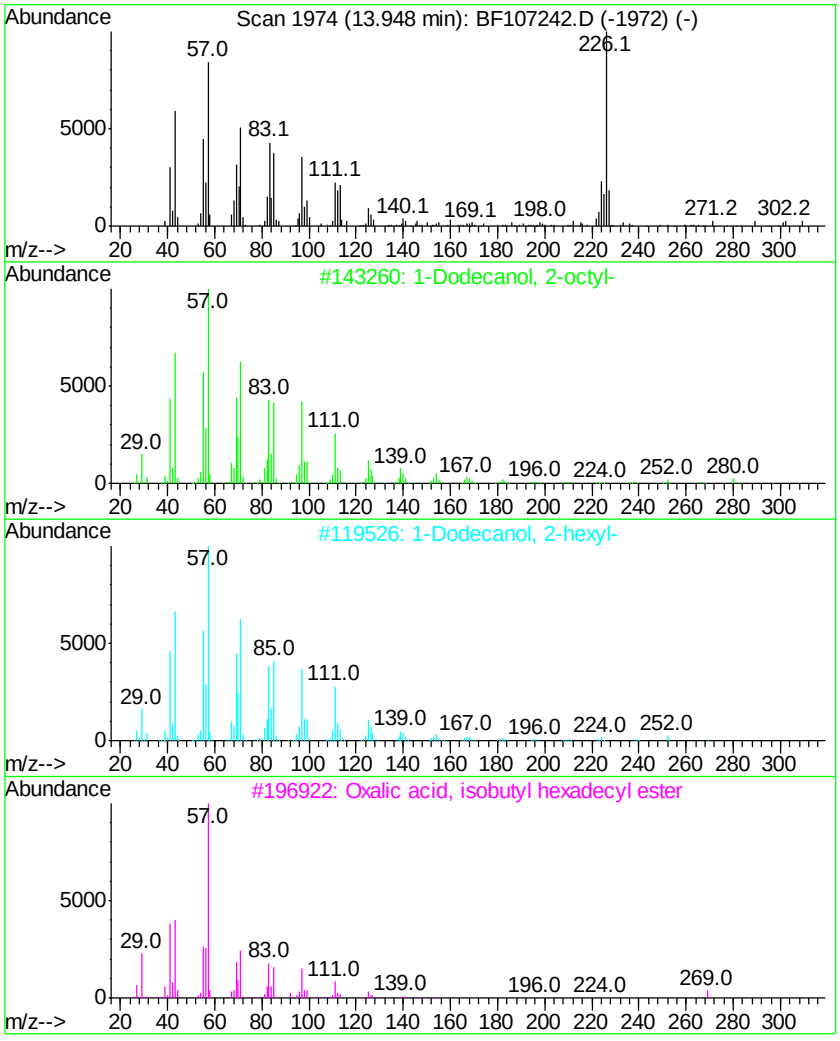
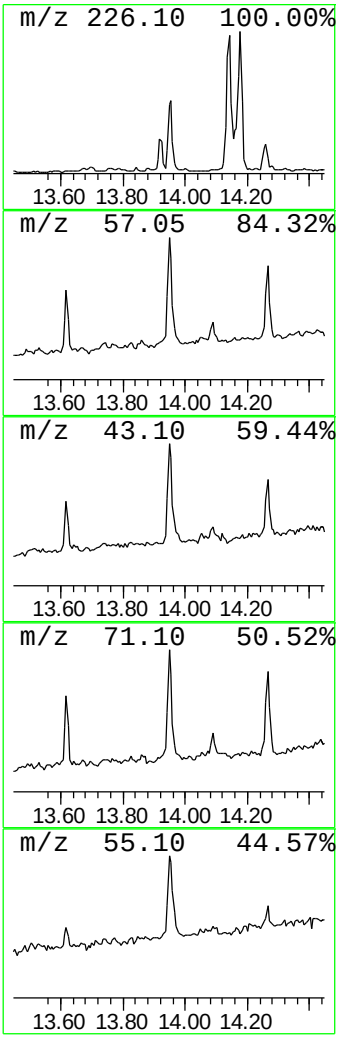
Peak Number 17 1-Dodecanol, 2-octyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.55 ng	158510	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	50
2	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	45
3	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	45
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	45
5	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	43





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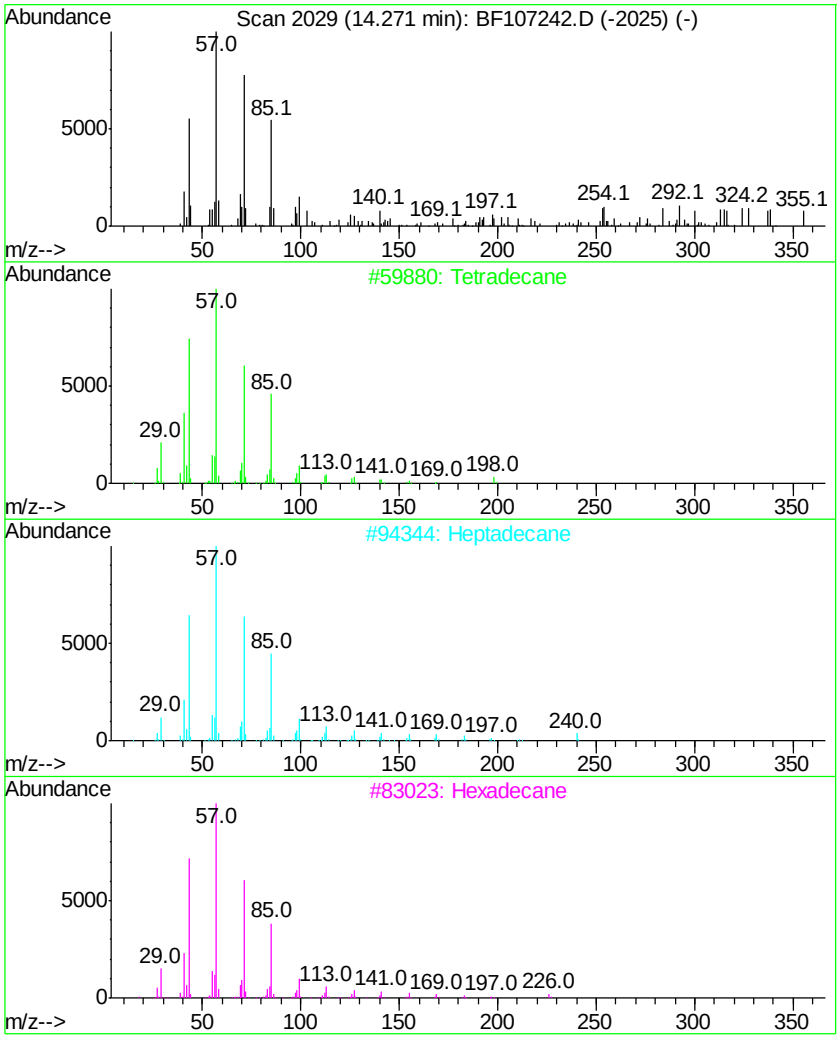
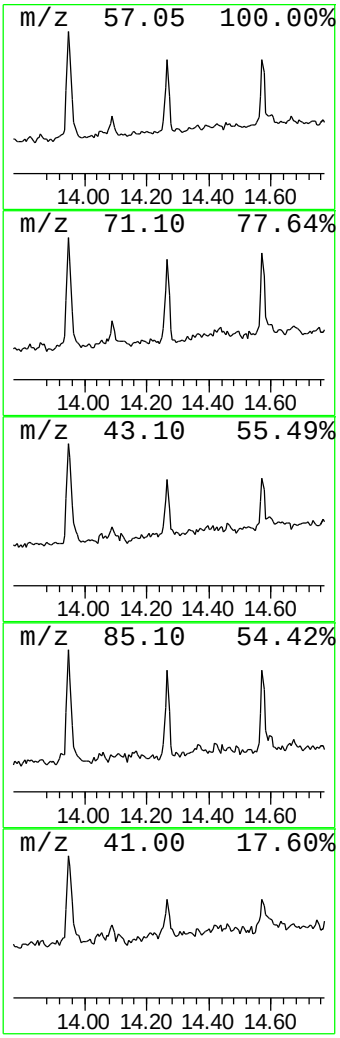
Peak Number 18 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.65 ng	64098	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	60
2	Heptadecane	240	C17H36	000629-78-7	60
3	Hexadecane	226	C16H34	000544-76-3	53
4	Octadecane	254	C18H38	000593-45-3	53
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	49





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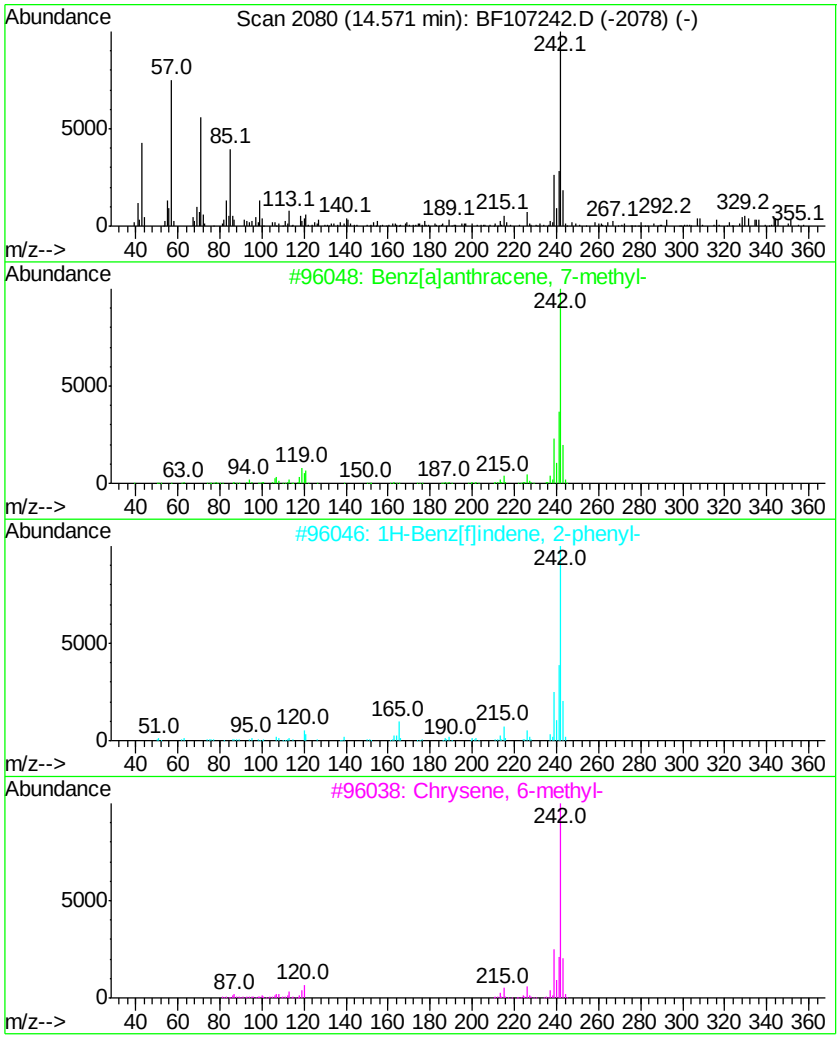
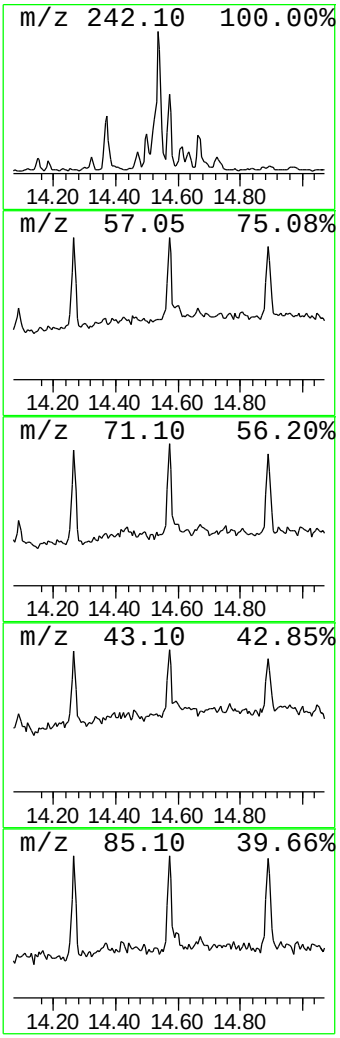
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.15 ng	52014	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	66
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	60
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	55
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	42
5	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107242.D
Acq On : 9 Jul 2018 21:14
Operator : JU/SJ
Sample : J3879-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-9

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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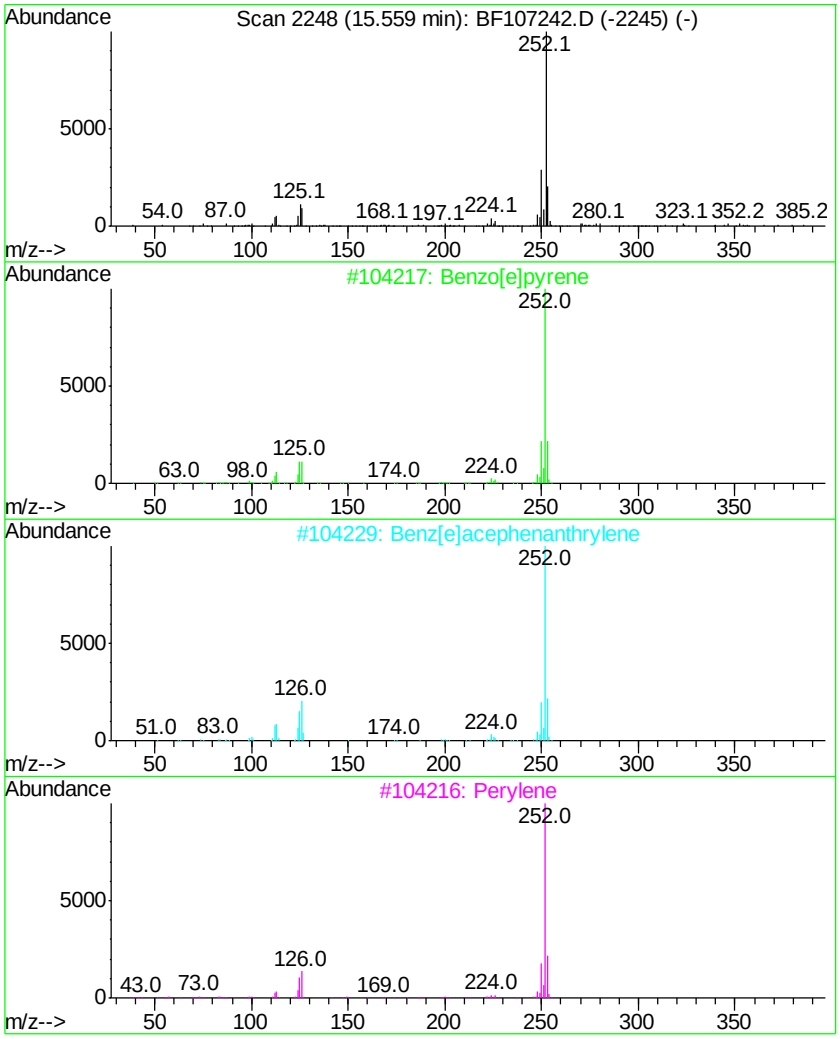
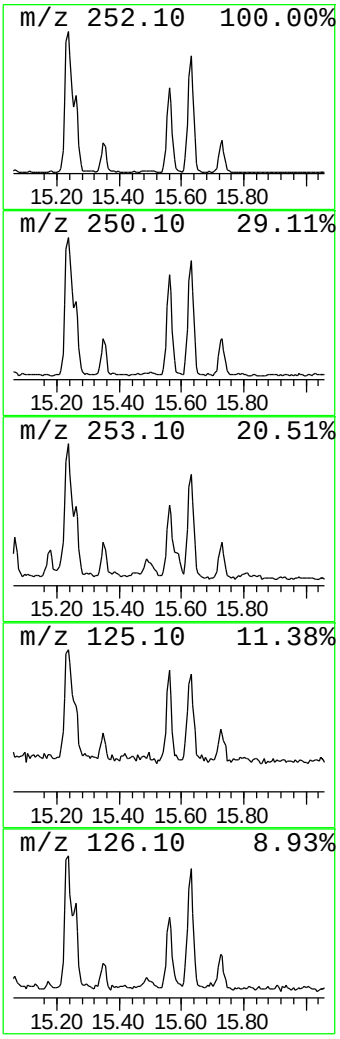
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	16.56 ng	94645	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.18	10.5	ng	115722	1	6.95	219864	20.0
unknown6.73	6.73	72.2	ng	793589	1	6.95	219864	20.0
Phenanthrene, 1-m...	12.02	4.2	ng	58424	4	11.49	278736	20.0
Anthracene, 1-met...	12.07	2.5	ng	34277	4	11.49	278736	20.0
4H-Cyclopenta[def...	12.11	6.3	ng	87758	4	11.49	278736	20.0
Phenanthrene, 2-m...	12.13	2.3	ng	32078	4	11.49	278736	20.0
Naphthalene, 2-ph...	12.28	3.2	ng	44879	4	11.49	278736	20.0
Phenanthrene, 4,5...	12.44	2.4	ng	33571	4	11.49	278736	20.0
Phenanthrene, 2,5...	12.54	5.2	ng	71741	4	11.49	278736	20.0
Benzene, 1,1'-(1,...	12.58	2.7	ng	37570	4	11.49	278736	20.0
Cyclopenta(def)ph...	12.64	4.3	ng	59313	4	11.49	278736	20.0
Fluoranthene, 2-m...	13.17	4.4	ng	105687	5	14.15	484015	20.0
11H-Benzo[b]fluorene	13.27	3.6	ng	88042	5	14.15	484015	20.0
Pyrene, 1-methyl-	13.38	2.8	ng	66972	5	14.15	484015	20.0
1-Dodecanol, 2-oc...	13.95	6.5	ng	158510	5	14.15	484015	20.0
Tetradecane	14.27	2.6	ng	64098	5	14.15	484015	20.0
Benz[a]anthracene...	14.57	2.1	ng	52014	5	14.15	484015	20.0
Benzo[e]pyrene	15.56	16.6	ng	94645	6	15.69	114283	20.0