LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

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-BF020320.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	3.563	244	251	266	rBV	108244	200638	2.85%	0.371%
2	5.392	559	562	580	rBV	1468032	1485085	21.10%	2.746%
3	6.410	731	735	752	rBV	955646	1010056	14.35%	1.867%
4	6.775	793	797	806	rBV	1173310	986508	14.02%	1.824%
5	6.933	819	824	827	rBV	3479854	3068629	43.60%	5.674%
6	7.339	887	893	896	rBV	2365516	2396094	34.05%	4.430%
7	8.057	1011	1015	1018	rBV	1558177	1302234	18.50%	2.408%
8	9.133	1193	1198	1201	rBV	5551303	5053565	71.81%	9.343%
9	9.522	1261	1264	1269	rBV	328955	269432	3.83%	0.498%
10	9.810	1306	1313	1316	rBV	1849537	1609799	22.87%	2.976%
11	10.598	1442	1447	1450	rBV	4850583	4669965	66.36%	8.634%
12	11.292	1561	1565	1567	rBV	2770116	2393626	34.01%	4.426%
13	11.316	1567	1569	1573	rVV	787029	638362	9.07%	1.180%
14	11.363	1573	1577	1581	rVB	202303	215204	3.06%	0.398%
15	11.621	1618	1621	1626	rBV	133859	127803	1.82%	0.236%
16	11.704	1629	1635	1639	rVB2	75564	113537	1.61%	0.210%
17	11.792	1646	1650	1652	rBV	389156	335582	4.77%	0.620%
18	11.821	1652	1655	1660	rVV2	673641	750296	10.66%	1.387%
19	11.868	1660	1663	1665	rVV	177317	181688	2.58%	0.336%
20	11.904	1665	1669	1671	rVV2	535034	606626	8.62%	1.122%
21	11.927	1671	1673	1678	rVB	357327	310785	4.42%	0.575%
22	11.986	1678	1683	1688	rBV5	60398	116963	1.66%	0.216%
23	12.086	1695	1700	1702	rBV	258778	229587	3.26%	0.424%
24	12.115	1702	1705	1710	rVB3	165722	196467	2.79%	0.363%
25	12.239	1723	1726	1728	rVB	136726	120422	1.71%	0.223%
26	12.345	1740	1744	1746	rBV	219492	233572	3.32%	0.432%
27	12.380	1746	1750	1755	rVB2	165583	270353	3.84%	0.500%
28	12.427	1755	1758	1763	rBV	268067	300222	4.27%	0.555%
29	12.504	1766	1771	1774	rBV	1332230	1284867	18.26%	2.376%
30	12.545	1775	1778	1780	rBV2	86933	70574	1.00%	0.130%
31	12.610	1785	1789	1791	rBV2	151865	174224	2.48%	0.322%
32	12.651	1795	1796	1800	rVV	82793	74844	1.06%	0.138%
33	12.733	1804	1810	1813	rBV	2281739	2365415	33.61%	4.373%
34	12.780	1816	1818	1823	rVB3	63750	98404	1.40%	0.182%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.874	1827	1834	1838	rBV	6653207	7037810	100.00%	13.012%
36	12.951	1843	1847	1850	rBV	245373	321197	4.56%	0.594%
37	12.980	1850	1852	1854	rVB2	114261	84258	1.20%	0.156%
38	13.039	1859	1862	1863	rVV2	228719	254299	3.61%	0.470%
39	13.057	1863	1865	1869	rVB	370216	359625	5.11%	0.665%
40	13.127	1871	1877	1880	rVV2	201328	239847	3.41%	0.443%
41	13.162	1880	1883	1885	rVV	432792	390271	5.55%	0.722%
42	13.186	1885	1887	1891	rVV	120250	145219	2.06%	0.268%
43	13.257	1895	1899	1901	rVV2	309967	337177	4.79%	0.623%
44	13.286	1901	1904	1907	rVB	353705	307629	4.37%	0.569%
45	13.374	1916	1919	1922	rVB2	68979	83262	1.18%	0.154%
46	13.568	1945	1952	1956	rVB2	203163	279035	3.96%	0.516%
47	13.674	1965	1970	1973	rBV2	264960	341835	4.86%	0.632%
48	13.704	1973	1975	1977	rVV	283720	243769	3.46%	0.451%
49	13.727	1977	1979	1982	rVV	151264	156755	2.23%	0.290%
50	13.786	1985	1989	1997	rVV2	485714	911813	12.96%	1.686%
51	13.845	1997	1999	2006	rVB2	75105	113782	1.62%	0.210%
52	13.927	2007	2013	2015	rVV2	2334057	2935618	41.71%	5.428%
53	13.951	2015	2017	2023	rVB	945179	900700	12.80%	1.665%
54	14.092	2036	2041	2047	rVB4	119512	185228	2.63%	0.342%
55	14.274	2070	2072	2075	rBV	69264	70515	1.00%	0.130%
56	14.315	2075	2079	2082	rVV	205048	246695	3.51%	0.456%
57	14.345	2082	2084	2088	rVV	134038	124150	1.76%	0.230%
58	14.398	2088	2093	2097	rVV3	192643	297420	4.23%	0.550%
59	14.439	2097	2100	2102	rVV	135170	156342	2.22%	0.289%
60	14.457	2102	2103	2107	rVV	125145	99652	1.42%	0.184%
61	14.509	2107	2112	2115	rVB2	62973	102164	1.45%	0.189%
62	14.698	2140	2144	2148	rBV	168086	174173	2.47%	0.322%
63	14.792	2154	2160	2167	rBV4	38045	104456	1.48%	0.193%
64	14.951	2182	2187	2195	rBV	367316	685206	9.74%	1.267%
65	15.021	2196	2199	2202	rVV	144351	156097	2.22%	0.289%
66	15.239	2231	2236	2242	rVB	257012	308152	4.38%	0.570%
67	15.298	2242	2246	2251	rBV	375502	473119	6.72%	0.875%
68	15.356	2251	2256	2260	rBV	845343	1164331	16.54%	2.153%
69	15.798	2328	2331	2338	rVB2	68023	108888	1.55%	0.201%
70	16.039	2368	2372	2378	rVB4	40105	72276	1.03%	0.134%
71	16.450	2436	2442	2454	rVB4	98630	236506	3.36%	0.437%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.768	2490	2496	2504	rVB	130703	254887	3.62%	0.471%
73	16.939	2520	2525	2529	rBV2	45193	78584	1.12%	0.145%
74	16.998	2531	2535	2541	rVB3	40256	75927	1.08%	0.140%
75	17.198	2563	2569	2577	rVB	98710	206911	2.94%	0.383%

Sum of corrected areas: 54087008

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
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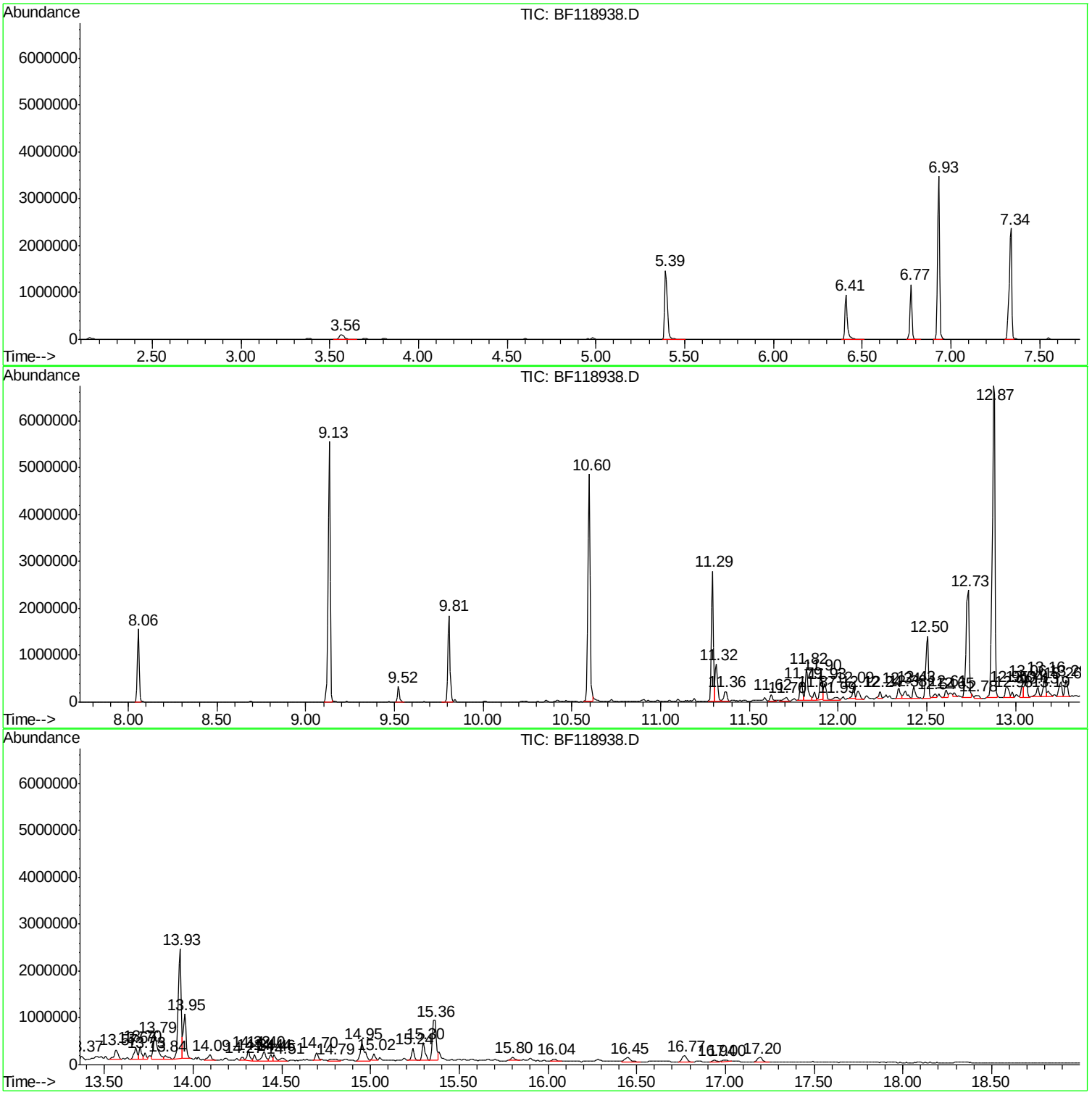
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

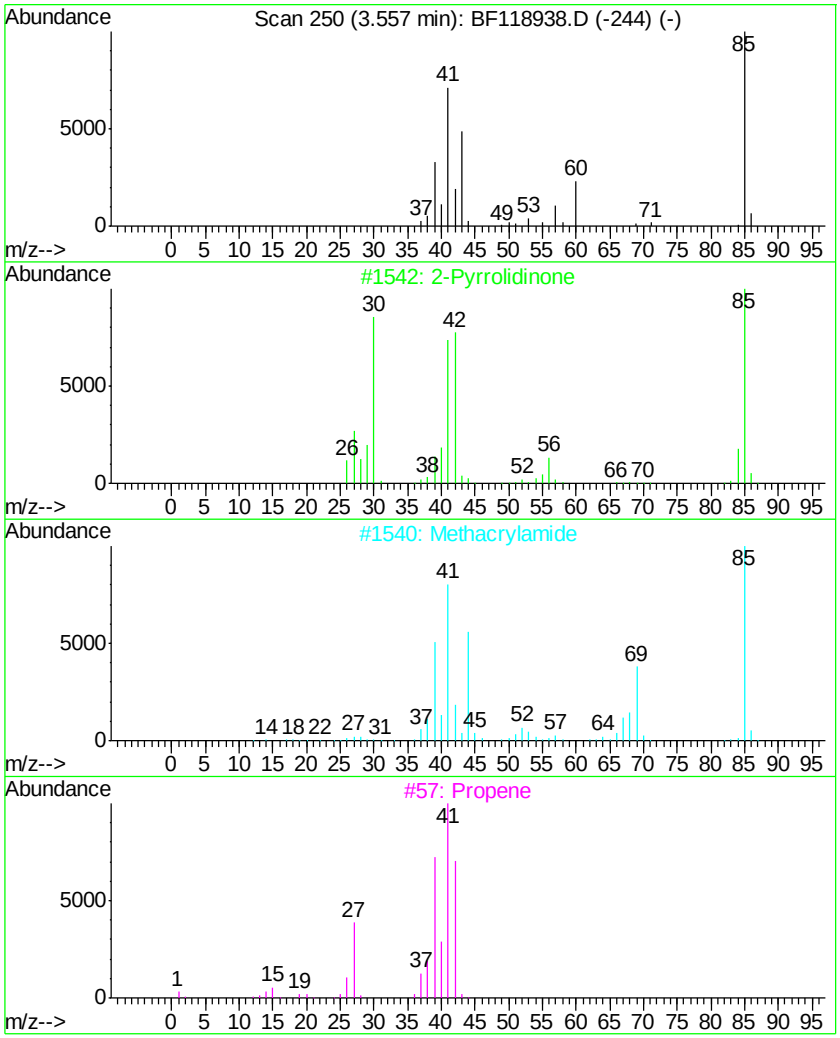
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

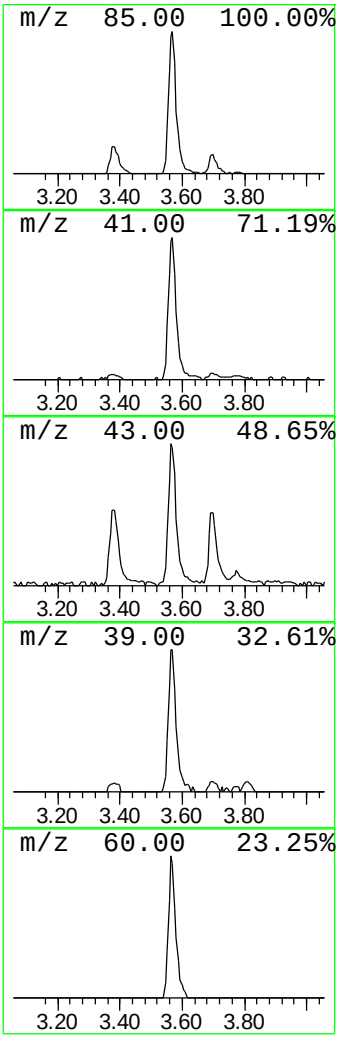
****

Peak Number 1 unknown3.56 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	4.07 ng	200638	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	38
2	Methacrylamide	85	C4H7NO	000079-39-0	36
3	Propene	42	C3H6	000115-07-1	9
4	Mefruside	382	C13H19ClN2O5S2	007195-27-9	9
5	(R)-(+)-1-Amino-2-(methoxymethyl...	130	C6H14N2O	072748-99-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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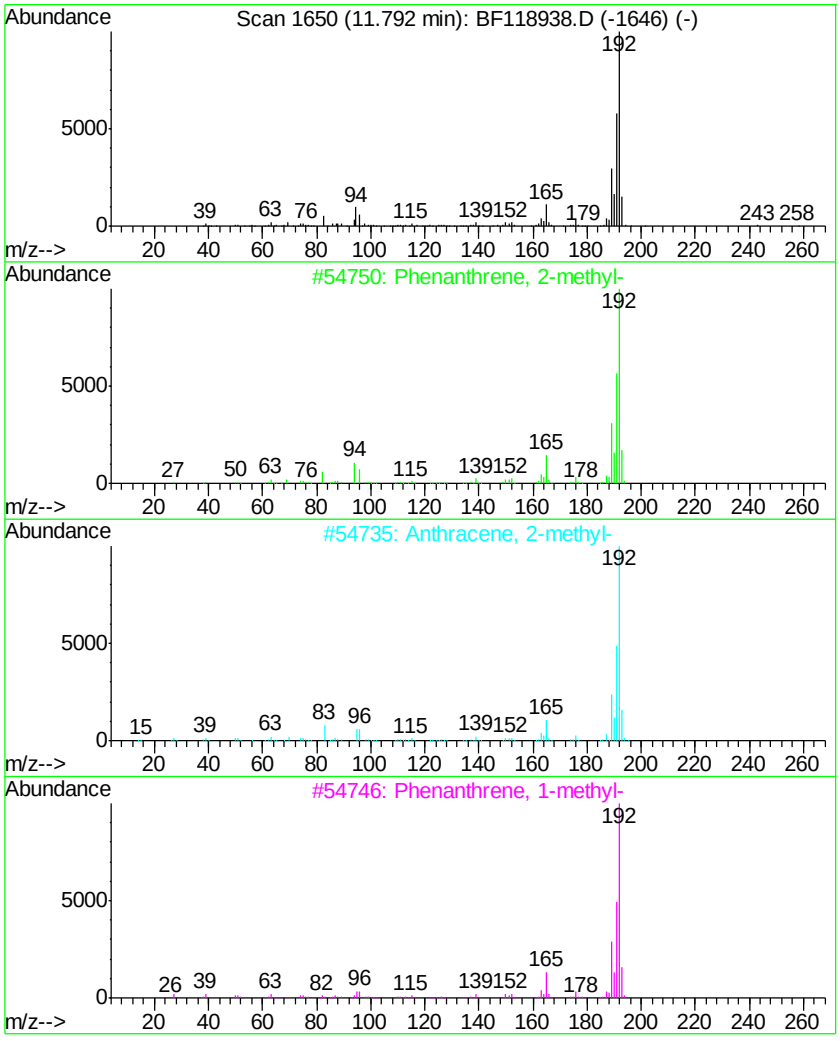
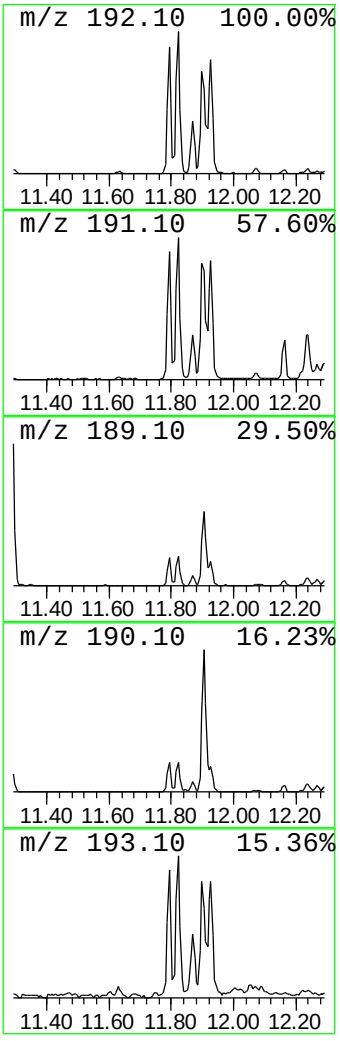
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.80 ng	335582	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

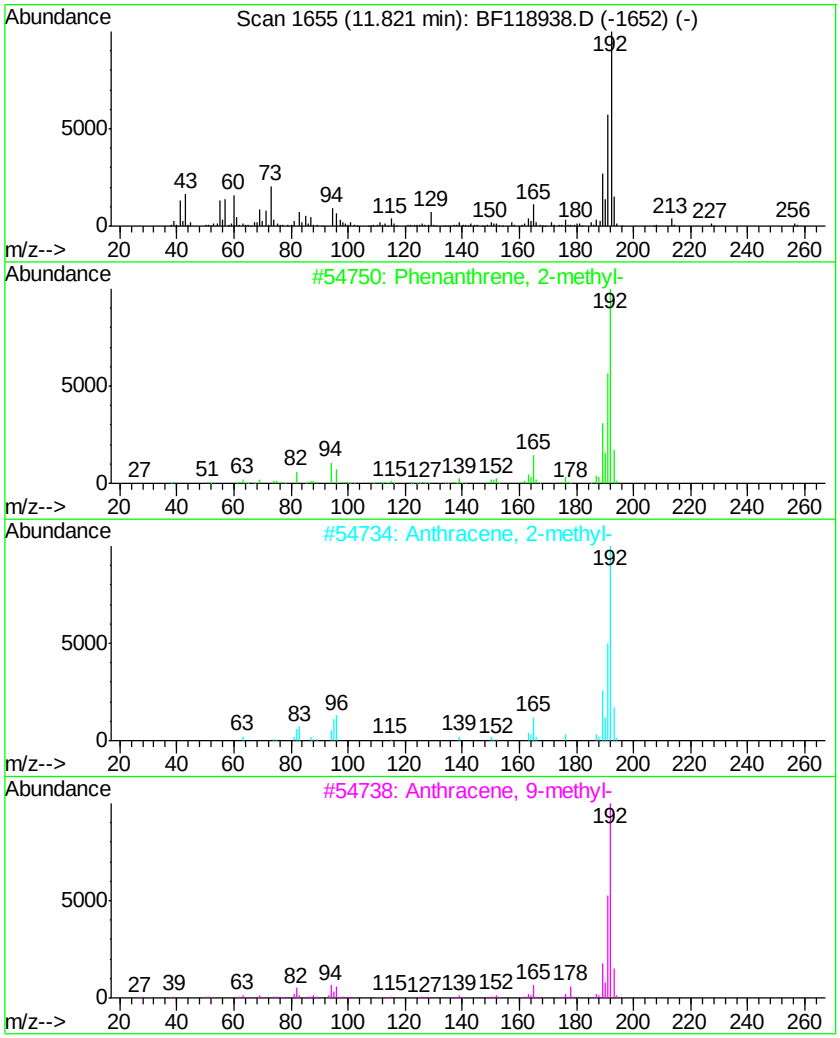
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

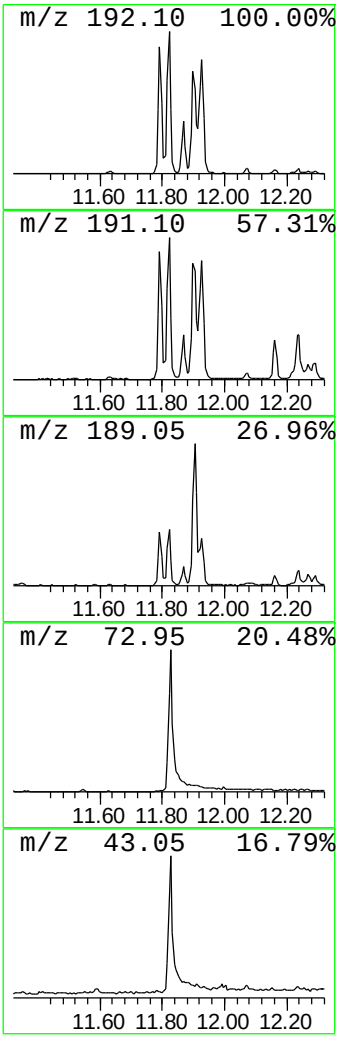
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.27 ng	750296	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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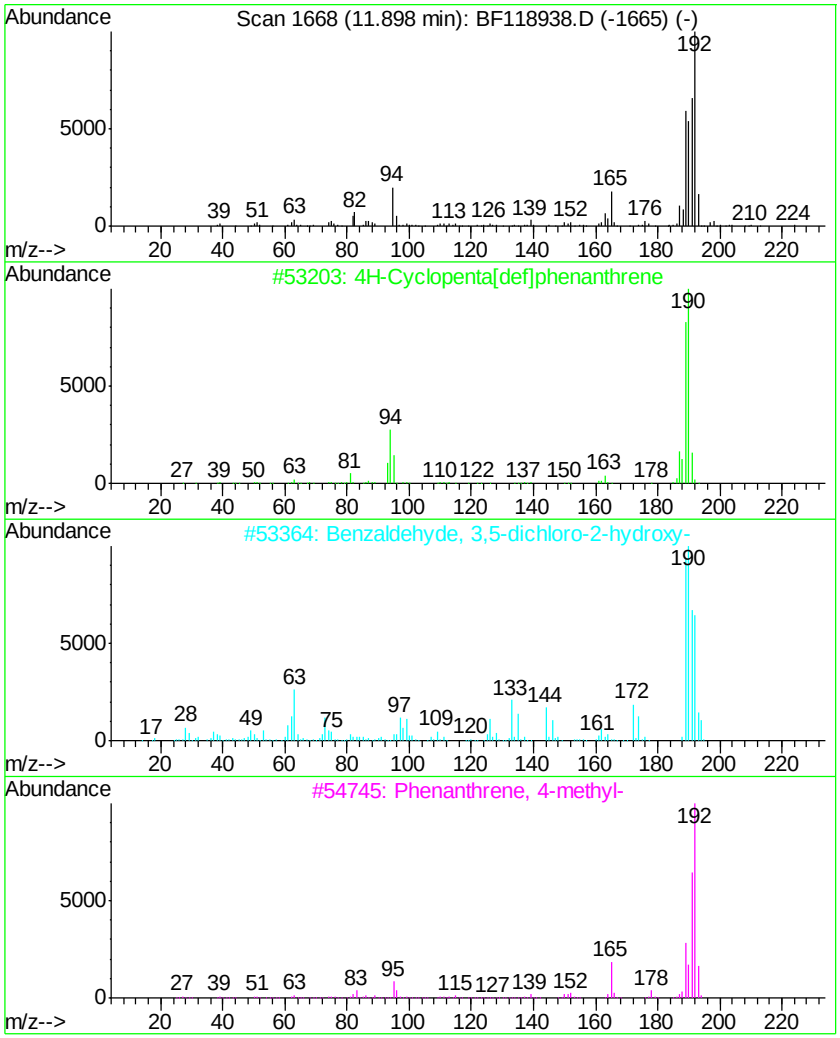
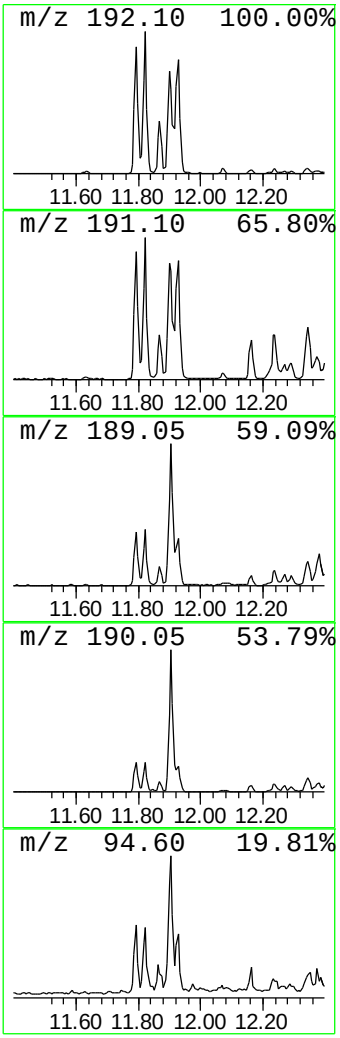
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.07 ng	606626	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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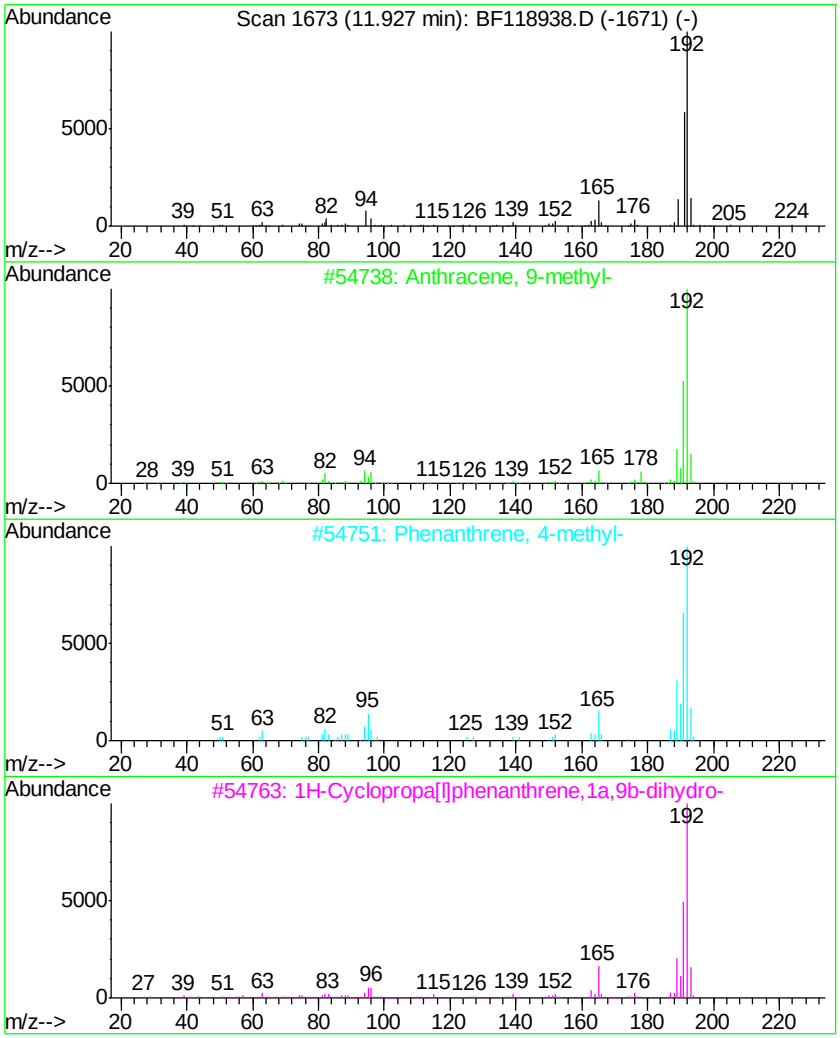
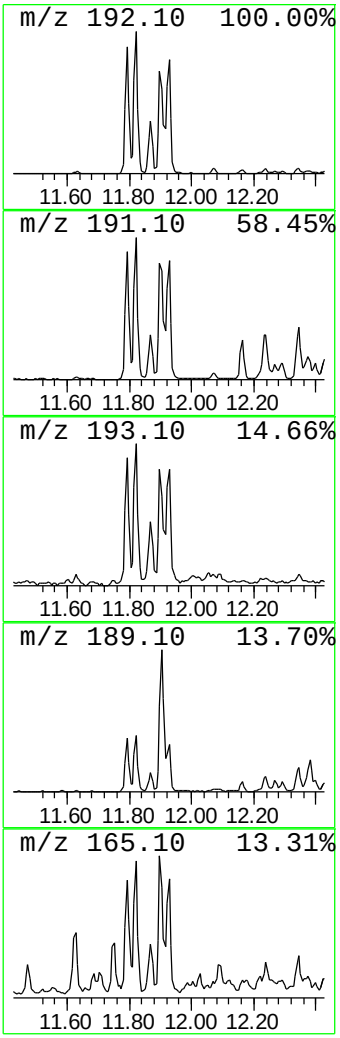
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.60 ng	310785	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

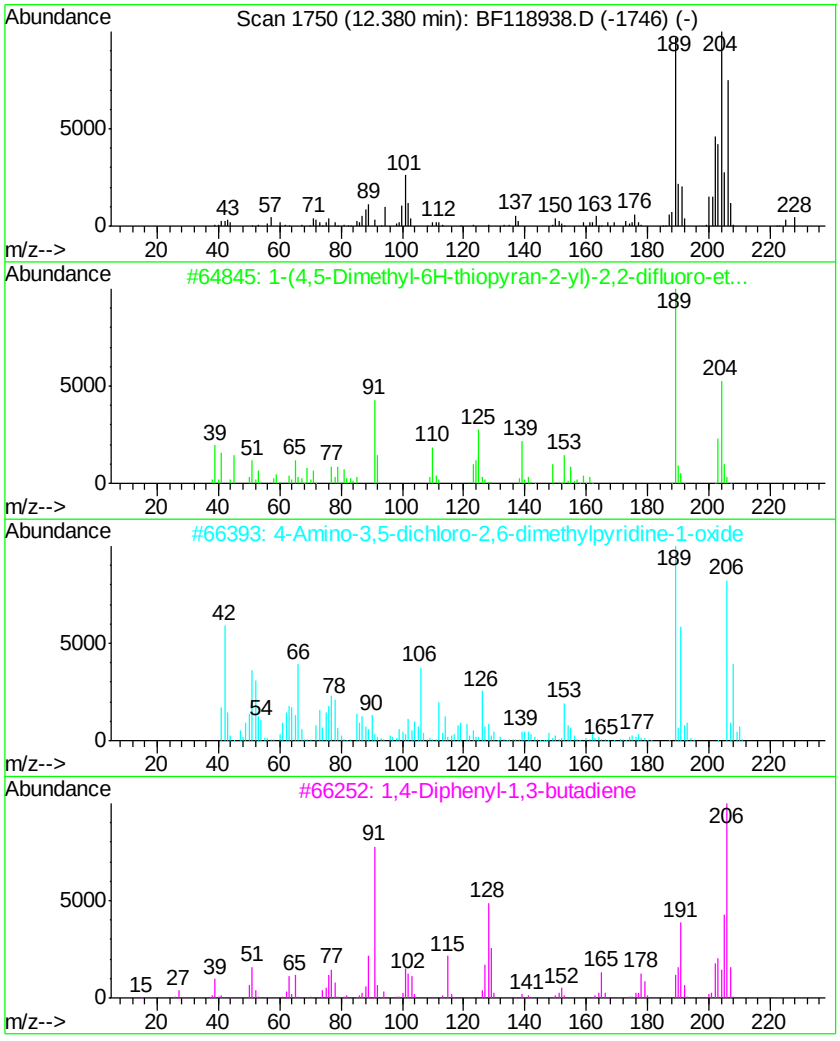
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

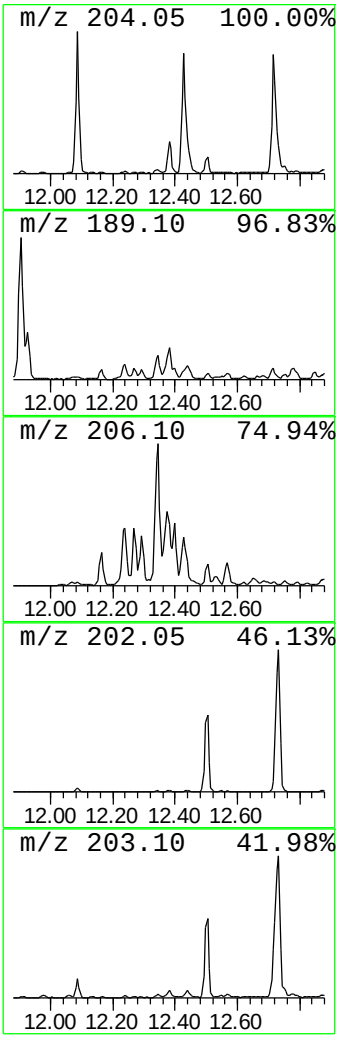
****

Peak Number 7 unknown12.38 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.26 ng	270353	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	46
2	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	30
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30
4	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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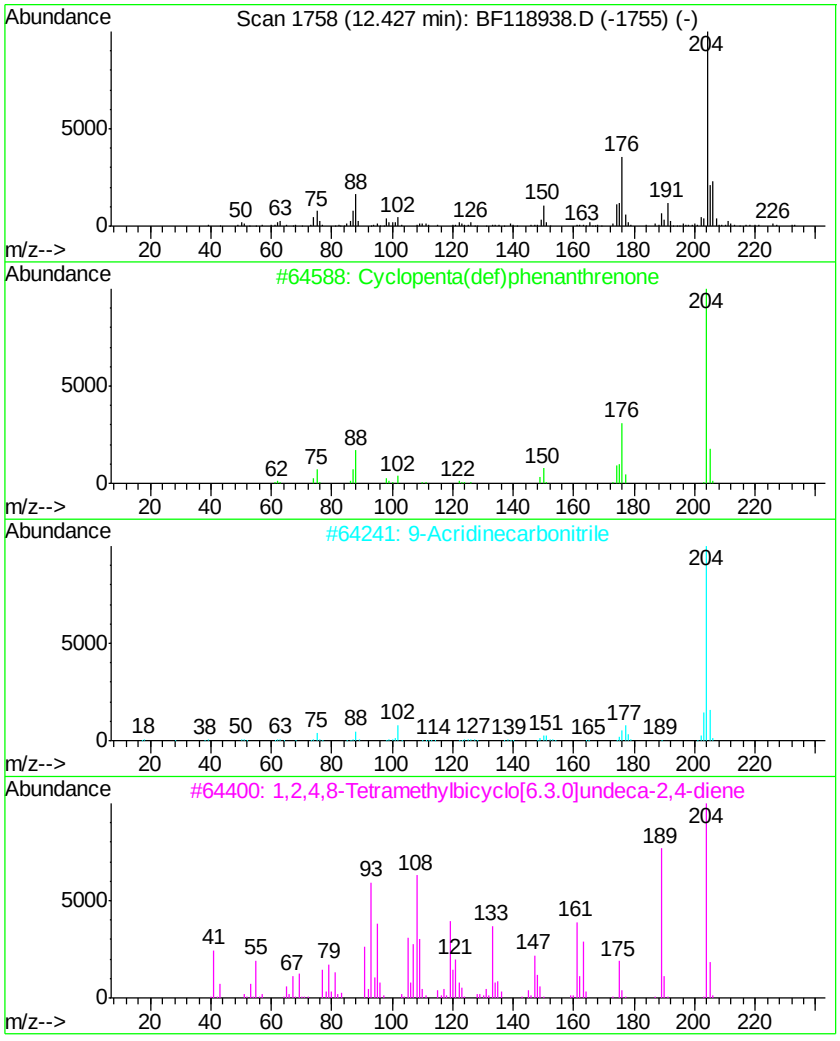
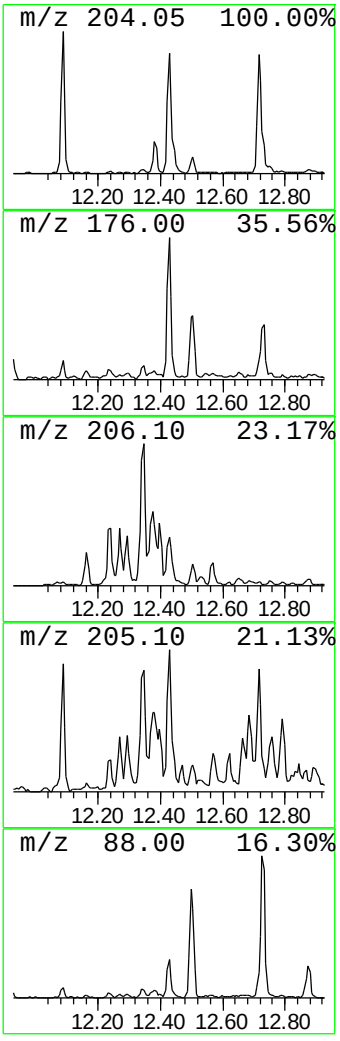
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.51 ng	300222	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





Library Search Compound Report

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Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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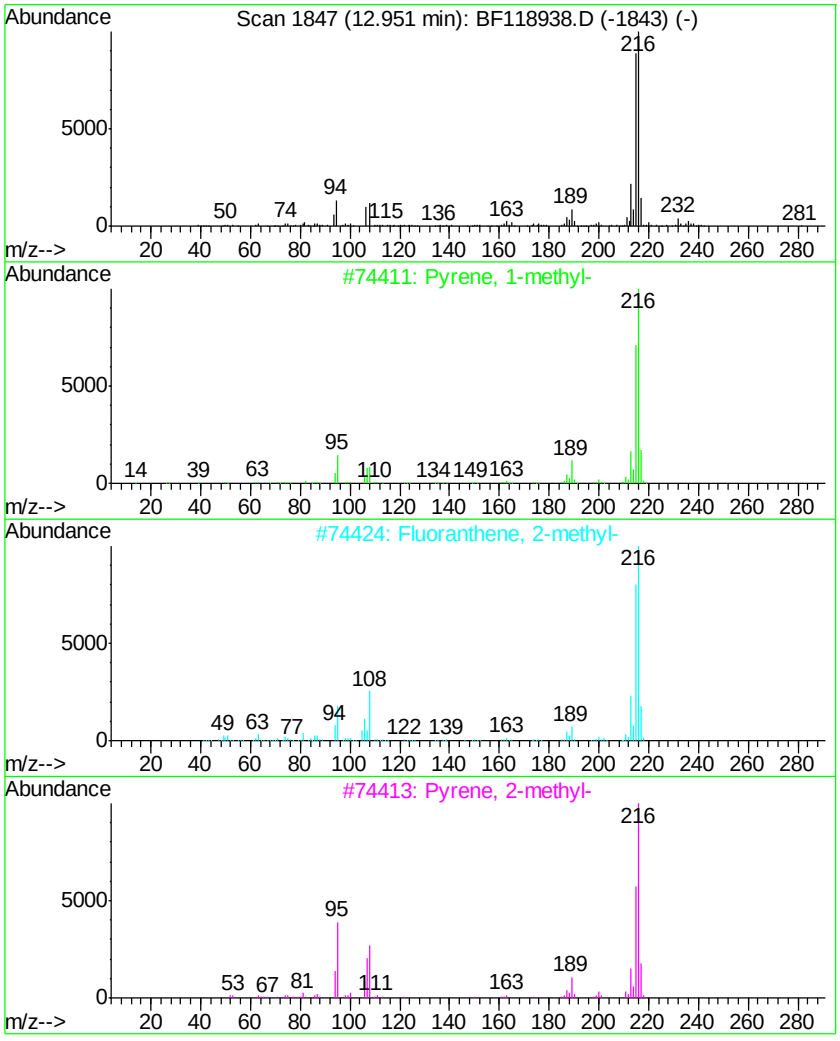
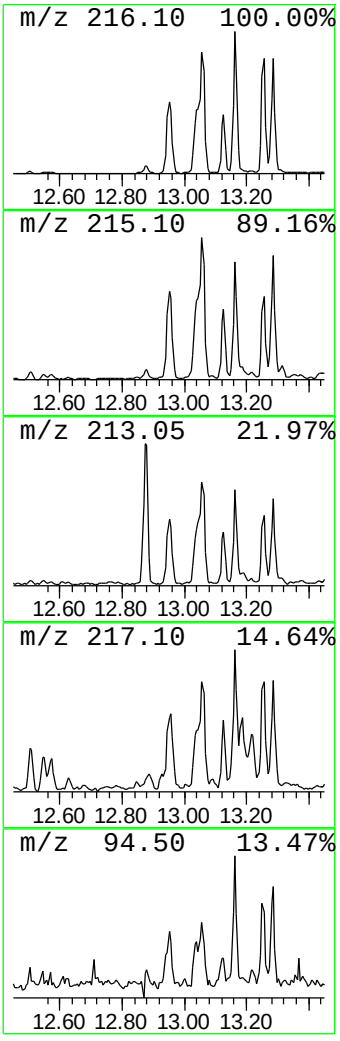
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.19 ng	321197	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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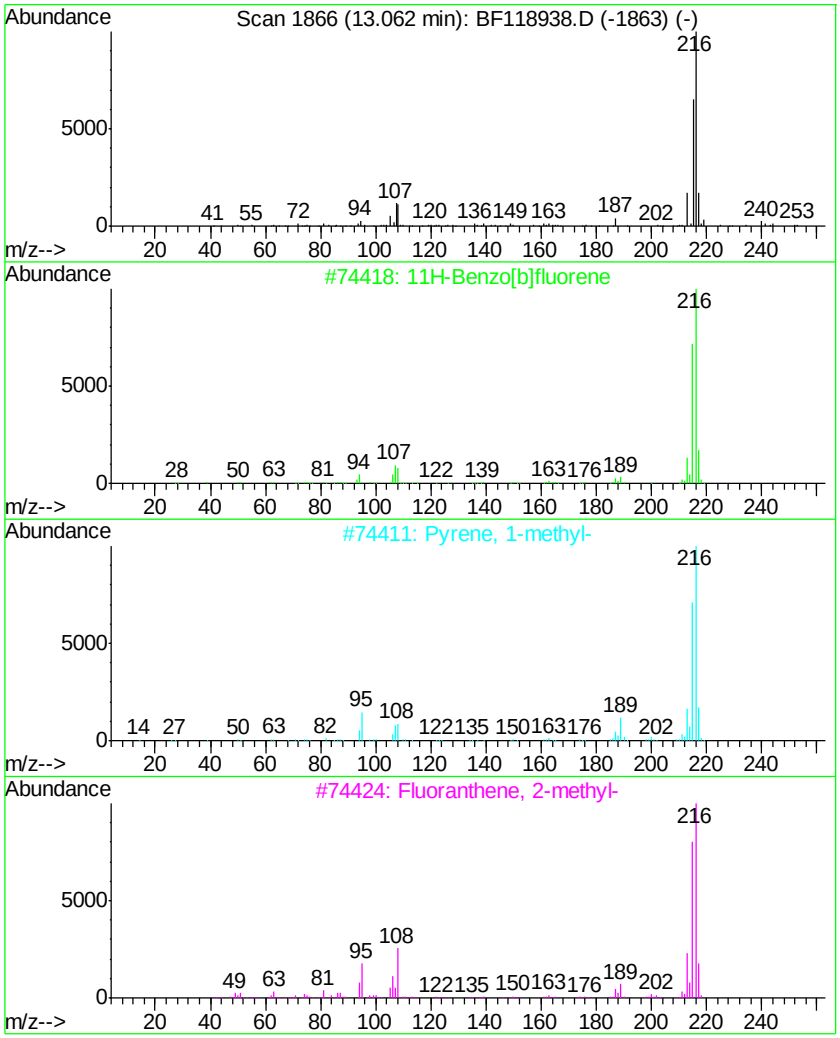
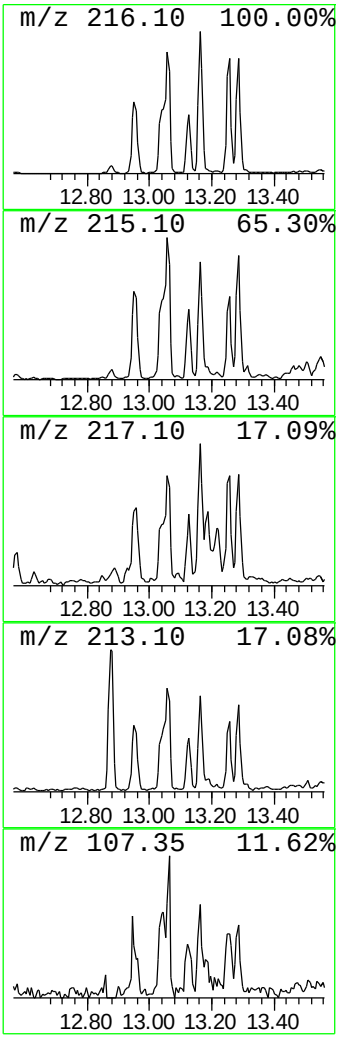
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.45 ng	359625	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	72





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Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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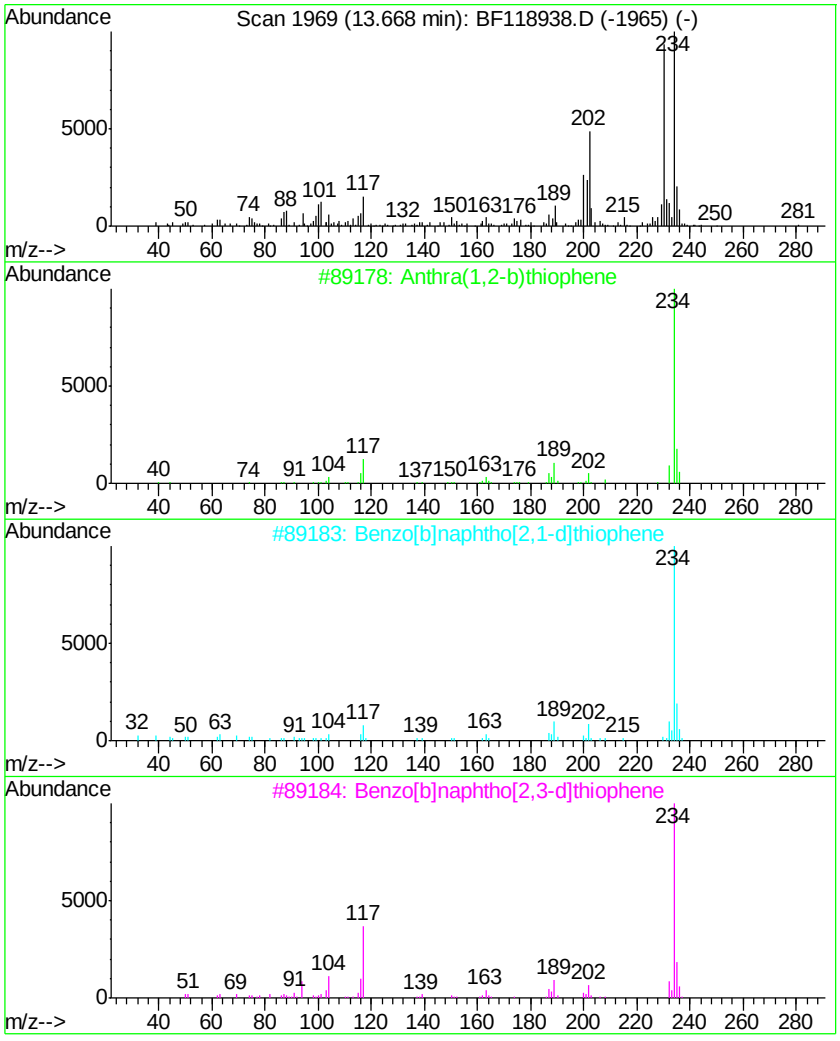
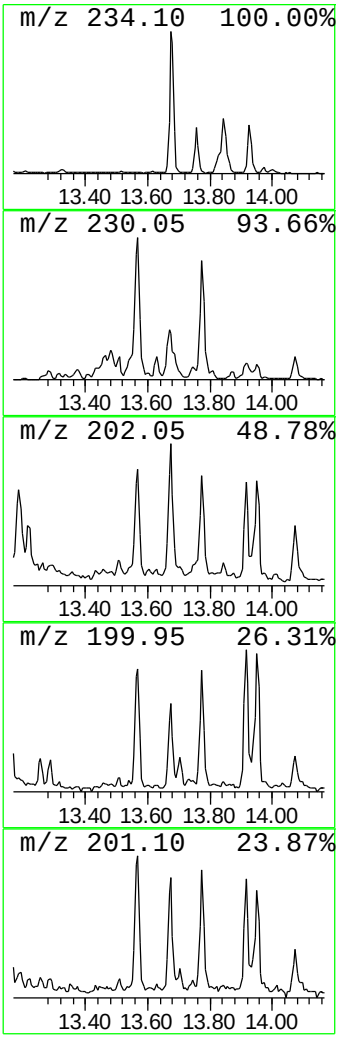
Peak Number 14 Anthra(1,2-b)thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.33 ng	341835	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	53
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43





Library Search Compound Report

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Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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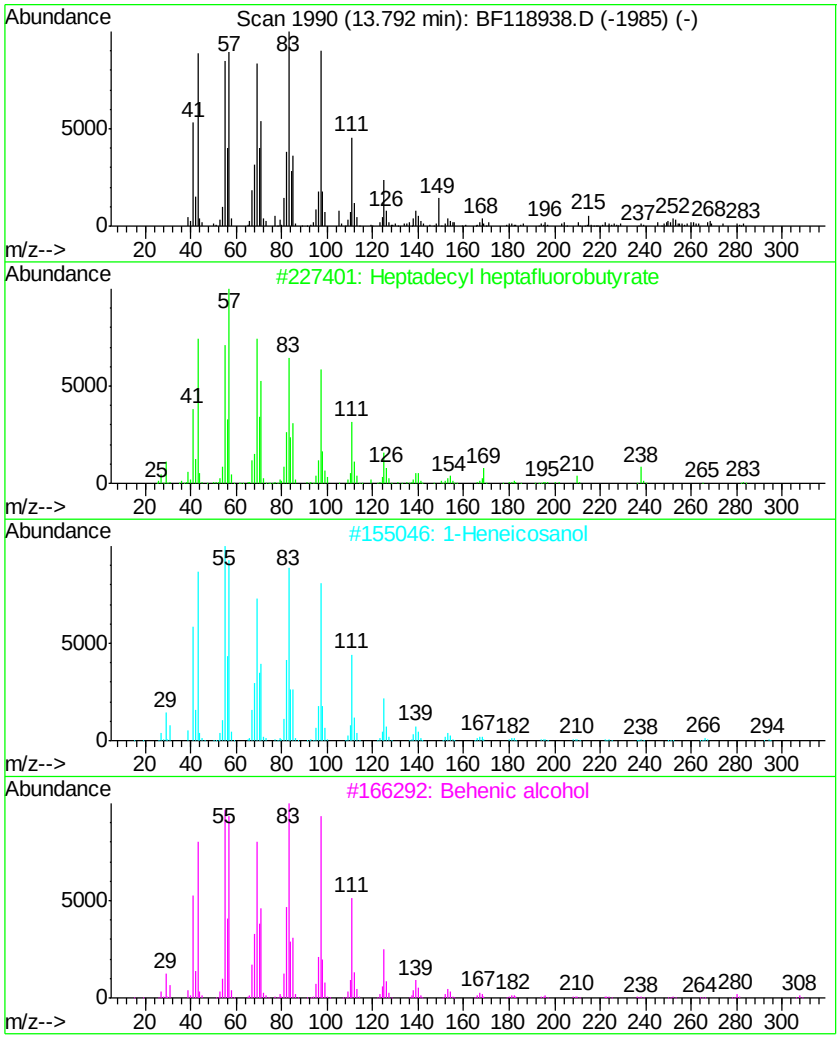
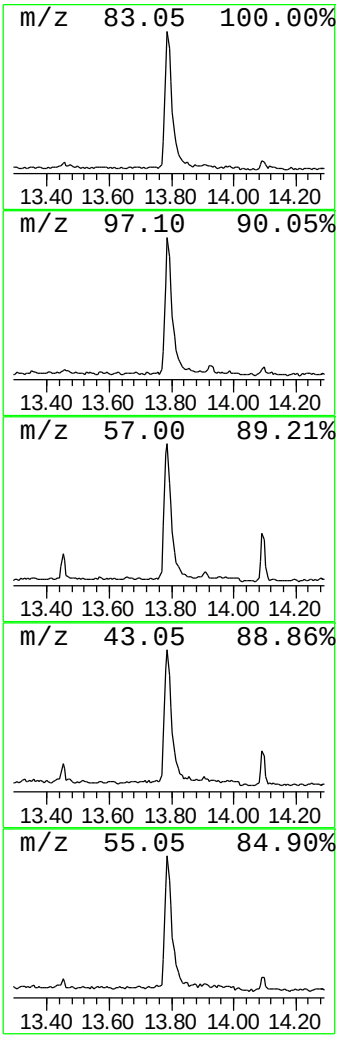
Peak Number 15 Heptadecyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	6.21 ng	911813	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91





Library Search Compound Report

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Acq On : 14 Feb 2020 18:18
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Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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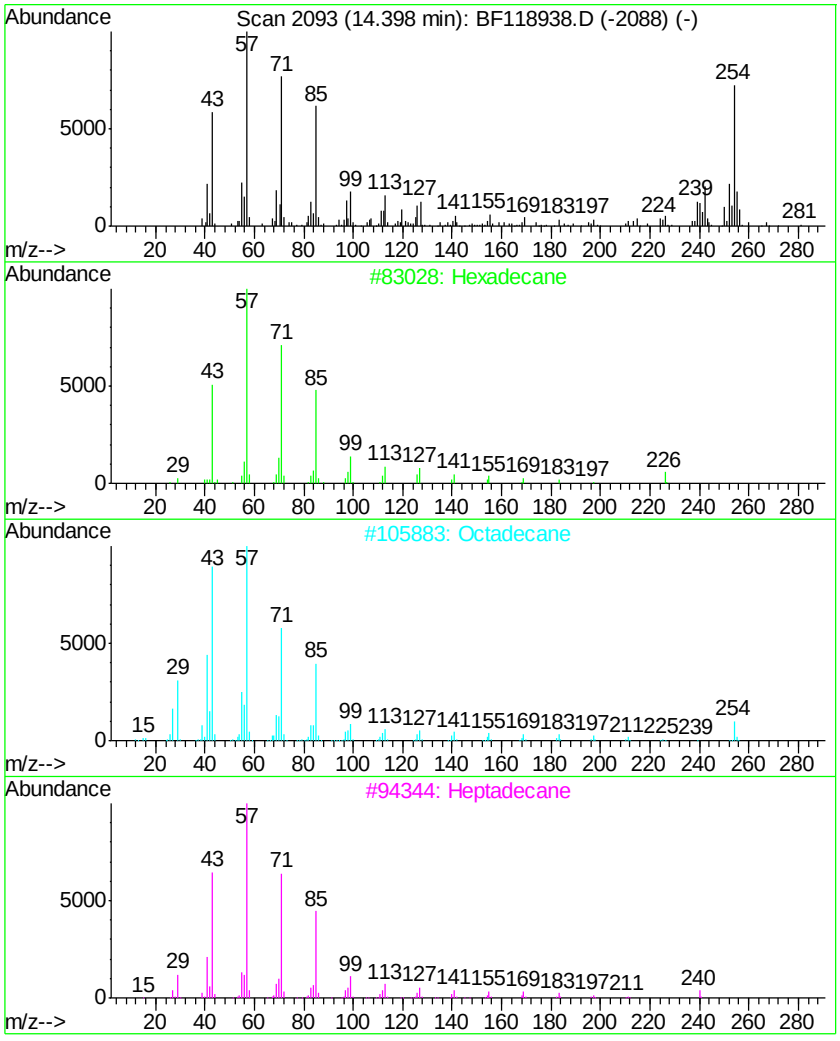
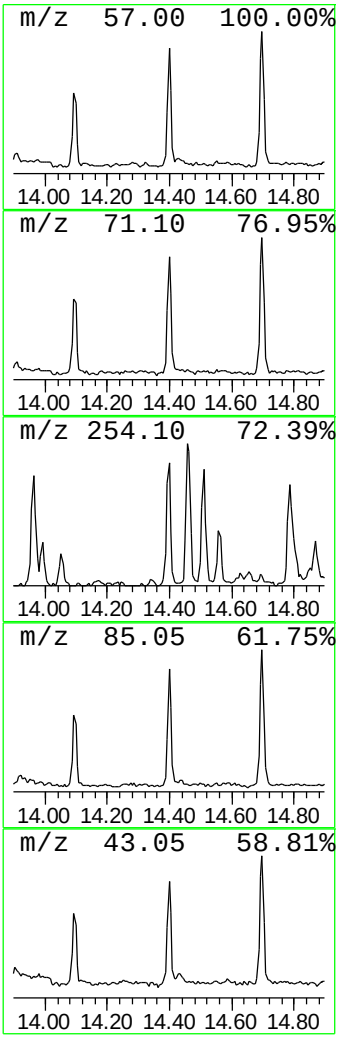
Peak Number 16 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.03 ng	297420	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Octadecane	254	C18H38	000593-45-3	78
3	Heptadecane	240	C17H36	000629-78-7	50
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	50
5	Hexacosane	366	C26H54	000630-01-3	46





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Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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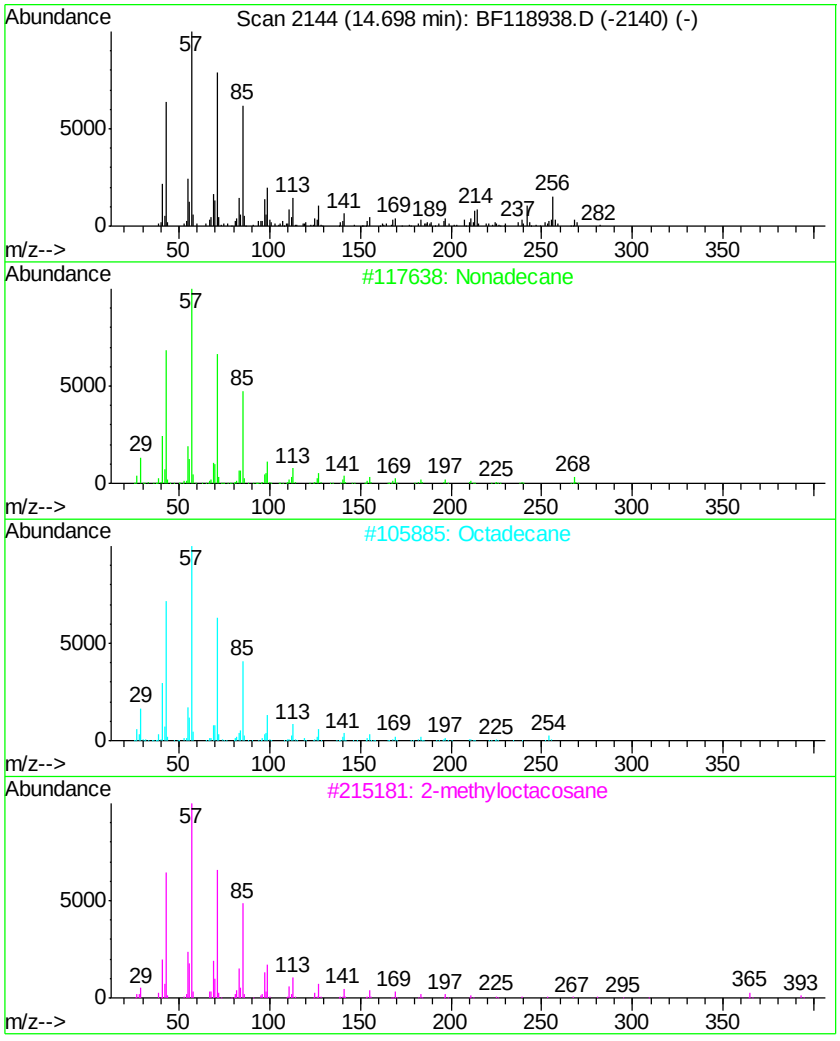
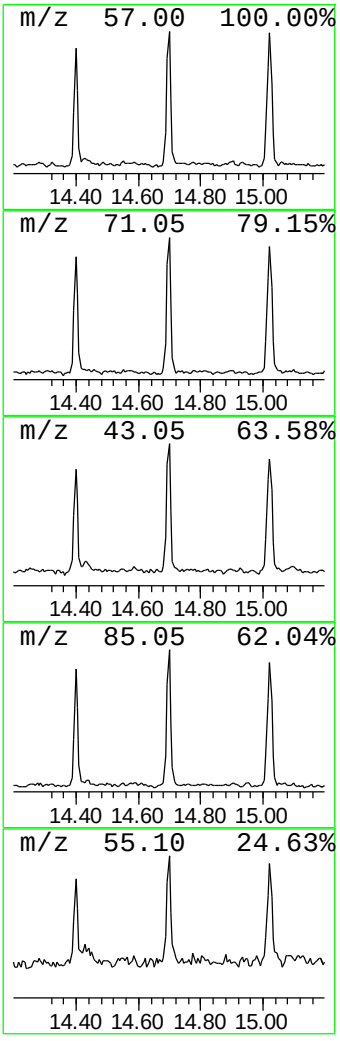
Peak Number 17 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	2.99 ng	174173	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Octadecane	254	C18H38	000593-45-3	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Triacontane	422	C30H62	000638-68-6	87
5	Octacosane	394	C28H58	000630-02-4	87





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Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

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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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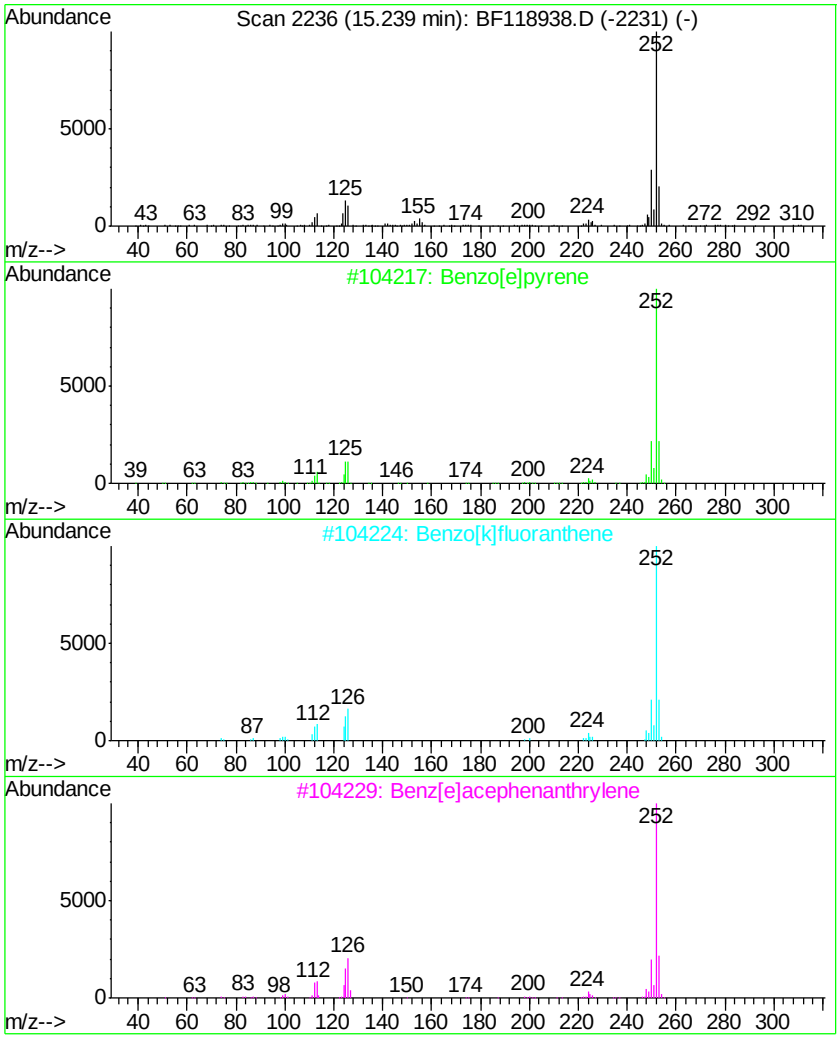
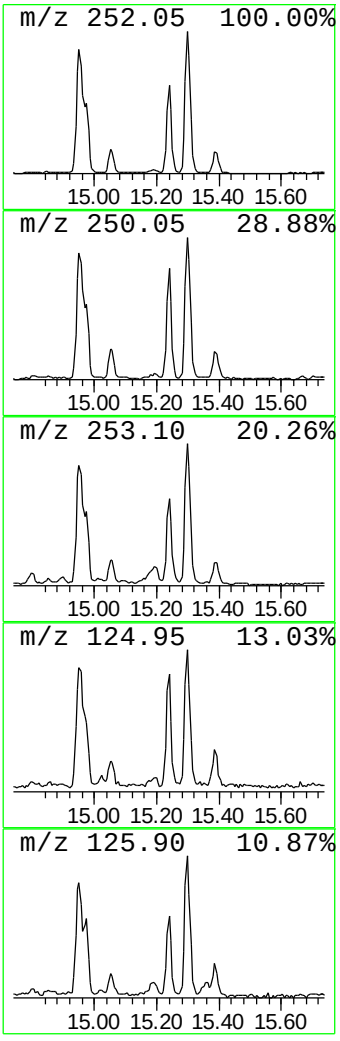
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	5.29 ng	308152	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





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Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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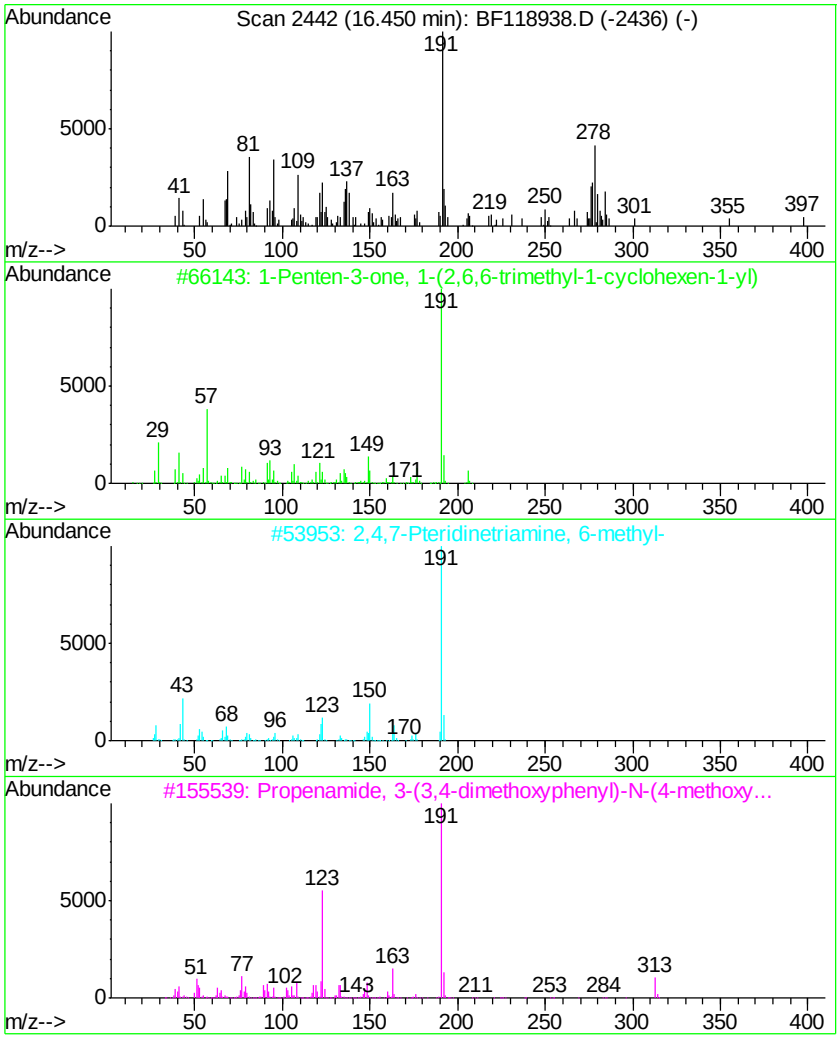
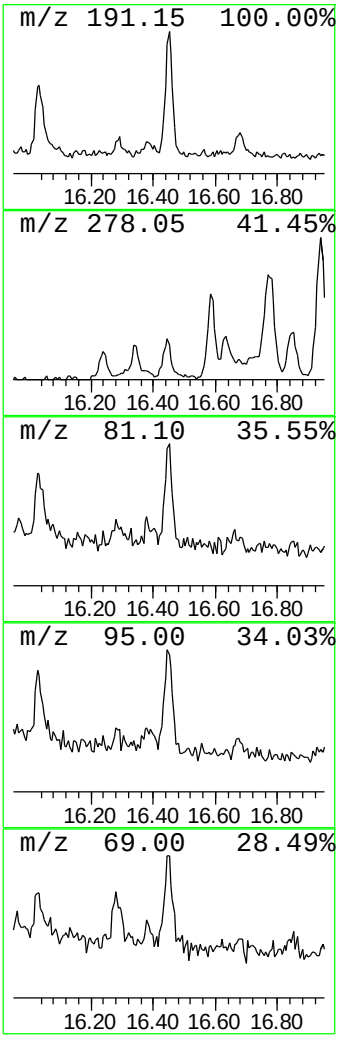
Peak Number 19 unknown16.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	4.06 ng	236506	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
2	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	30
3	Propenamide, 3-(3,4-dimethoxyphe...	313	C18H19NO4	339165-72-9	27
4	Anthracene, 9-heptyl-	276	C21H24	1000157-50-3	25
5	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	25





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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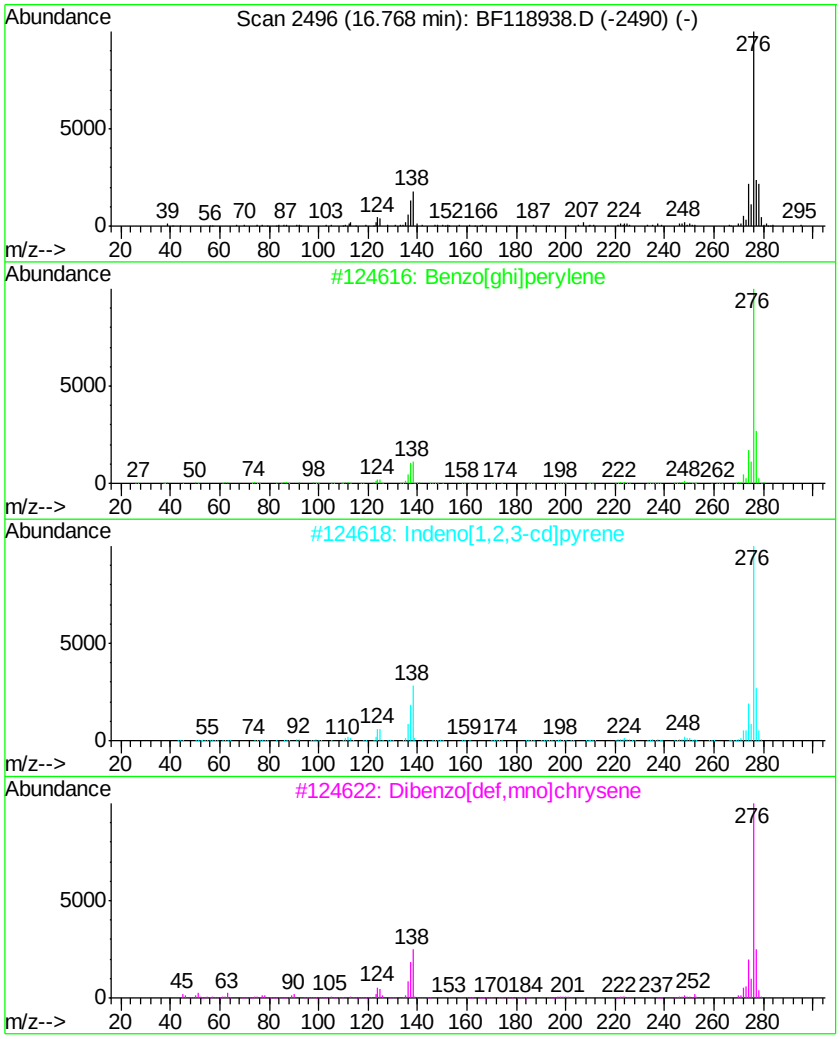
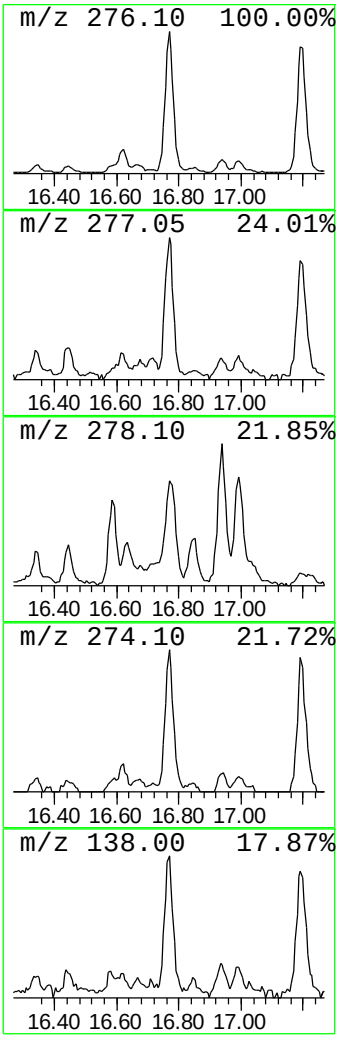
Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.38 ng	254887	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	95
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	76
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	58
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

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Data File : BF118938.D
Acq On : 14 Feb 2020 18:18
Operator : CG/JU
Sample : L1015-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PR-MANHOLE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.56	3.56	4.1	ng	200638	1	6.77	986508	20.0
Phenanthrene, 2-m...	11.79	2.8	ng	335582	4	11.29	2393630	20.0
Anthracene, 2-met...	11.82	6.3	ng	750296	4	11.29	2393630	20.0
4H-Cyclopenta[def...	11.90	5.1	ng	606626	4	11.29	2393630	20.0
Anthracene, 9-met...	11.93	2.6	ng	310785	4	11.29	2393630	20.0
unknown12.38	12.38	2.3	ng	270353	4	11.29	2393630	20.0
Cyclopenta(def)ph...	12.43	2.5	ng	300222	4	11.29	2393630	20.0
Pyrene, 1-methyl-	12.95	2.2	ng	321197	5	13.93	2935620	20.0
11H-Benzo[b]fluorene	13.06	2.5	ng	359625	5	13.93	2935620	20.0
Anthra(1,2-b)thio...	13.67	2.3	ng	341835	5	13.93	2935620	20.0
Heptadecyl heptaf...	13.79	6.2	ng	911813	5	13.93	2935620	20.0
Hexadecane	14.40	2.0	ng	297420	5	13.93	2935620	20.0
Nonadecane	14.70	3.0	ng	174173	6	15.36	1164330	20.0
Benzo[e]pyrene	15.24	5.3	ng	308152	6	15.36	1164330	20.0
unknown16.45	16.45	4.1	ng	236506	6	15.36	1164330	20.0
Indeno[1,2,3-cd]f...	16.77	4.4	ng	254887	6	15.36	1164330	20.0