LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097915.D
Acq On : 21 Aug 2017 19:51
Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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	3.122	173	176	196	rBV	32215	88999	3.11%	0.300%
2	4.945	482	486	494	rVB	234364	299653	10.46%	1.010%
3	5.357	551	556	559	rBV	2682908	2741332	95.72%	9.241%
4	6.386	725	731	735	rBV	2711134	2864004	100.00%	9.654%
5	6.516	749	753	757	rBV	2761313	2713557	94.75%	9.147%
6	6.745	789	792	796	rBV	877949	781849	27.30%	2.636%
7	6.904	815	819	822	rBV	2426952	2111971	73.74%	7.119%
8	7.310	883	888	891	rBV	1719994	1731389	60.45%	5.836%
9	7.398	899	903	907	rBV2	32338	36325	1.27%	0.122%
10	8.033	1006	1011	1014	rBV	1085157	978627	34.17%	3.299%
11	9.110	1189	1194	1197	rBV	3079797	2716318	94.84%	9.157%
12	9.192	1203	1208	1213	rBV4	19335	30805	1.08%	0.104%
13	9.498	1257	1260	1265	rBV	376405	325849	11.38%	1.098%
14	9.639	1281	1284	1289	rBV	76011	71115	2.48%	0.240%
15	9.722	1295	1298	1301	rVB	45159	35794	1.25%	0.121%
16	9.780	1302	1308	1312	rVV	1026024	936510	32.70%	3.157%
17	9.816	1312	1314	1317	rVB	55138	46006	1.61%	0.155%
18	9.986	1340	1343	1346	rVB	45222	37428	1.31%	0.126%
19	10.192	1374	1378	1380	rBV3	24704	31023	1.08%	0.105%
20	10.221	1380	1383	1387	rVB2	61946	55780	1.95%	0.188%
21	10.327	1398	1401	1407	rVB	68148	68425	2.39%	0.231%
22	10.569	1437	1442	1445	rBV	1523190	1341332	46.83%	4.522%
23	10.692	1460	1463	1471	rBV	103200	120687	4.21%	0.407%
24	10.874	1490	1494	1497	rBV4	28881	42099	1.47%	0.142%
25	11.139	1537	1539	1541	rBV	52245	42319	1.48%	0.143%
26	11.163	1541	1543	1548	rVB3	46476	57386	2.00%	0.193%
27	11.263	1556	1560	1562	rBV	953608	790004	27.58%	2.663%
28	11.286	1562	1564	1567	rVV	588040	432976	15.12%	1.460%
29	11.339	1569	1573	1576	rVB	158936	147343	5.14%	0.497%
30	11.563	1608	1611	1614	rBV	43916	36270	1.27%	0.122%
31	11.668	1624	1629	1634	rVB5	36107	63347	2.21%	0.214%
32	11.763	1642	1645	1647	rBV	102805	84390	2.95%	0.284%
33	11.792	1647	1650	1654	rVV	162412	137144	4.79%	0.462%
34	11.839	1654	1658	1660	rVV2	56477	54914	1.92%	0.185%

LSC Area Percent Report

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Data File : BF097915.D
Acq On : 21 Aug 2017 19:51
Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.874	1660	1664	1666	rVV	194271	200076	6.99%	0.674%
36	11.898	1666	1668	1671	rVB	76256	62346	2.18%	0.210%
37	12.057	1693	1695	1697	rBV	60249	56083	1.96%	0.189%
38	12.080	1697	1699	1705	rVB2	56774	56279	1.97%	0.190%
39	12.239	1723	1726	1728	rBV	37340	32353	1.13%	0.109%
40	12.310	1735	1738	1741	rBV	91440	94521	3.30%	0.319%
41	12.351	1741	1745	1747	rVV2	97065	119914	4.19%	0.404%
42	12.398	1750	1753	1757	rVV3	46322	60391	2.11%	0.204%
43	12.474	1762	1766	1769	rVB	752991	711059	24.83%	2.397%
44	12.521	1771	1774	1779	rVB3	35049	49787	1.74%	0.168%
45	12.698	1798	1804	1807	rBV	765778	813472	28.40%	2.742%
46	12.815	1822	1824	1826	rBV	46054	43045	1.50%	0.145%
47	12.851	1826	1830	1833	rVV	2076837	1862865	65.04%	6.280%
48	12.915	1838	1841	1845	rBV3	67853	96914	3.38%	0.327%
49	13.004	1854	1856	1858	rBV2	45401	54940	1.92%	0.185%
50	13.027	1858	1860	1863	rVB	159049	129318	4.52%	0.436%
51	13.092	1868	1871	1874	rVB2	108417	107104	3.74%	0.361%
52	13.127	1874	1877	1880	rBV2	119727	134177	4.68%	0.452%
53	13.221	1891	1893	1896	rVB	81609	65037	2.27%	0.219%
54	13.251	1896	1898	1902	rBV	80095	82061	2.87%	0.277%
55	13.674	1968	1970	1972	rBV	65923	44573	1.56%	0.150%
56	13.751	1980	1983	1991	rVB4	165226	205703	7.18%	0.693%
57	13.892	2002	2007	2010	rBV2	828268	1109766	38.75%	3.741%
58	13.921	2010	2012	2014	rVB	327302	247131	8.63%	0.833%
59	14.909	2177	2180	2184	rBV	230435	365119	12.75%	1.231%
60	15.198	2226	2229	2235	rVB	155571	196578	6.86%	0.663%
61	15.256	2236	2239	2244	rBV	198157	221455	7.73%	0.747%
62	15.315	2246	2249	2252	rBV	332275	389993	13.62%	1.315%

Sum of corrected areas: 29665030

LSC Report - Integrated Chromatogram

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Sample : I4875-01
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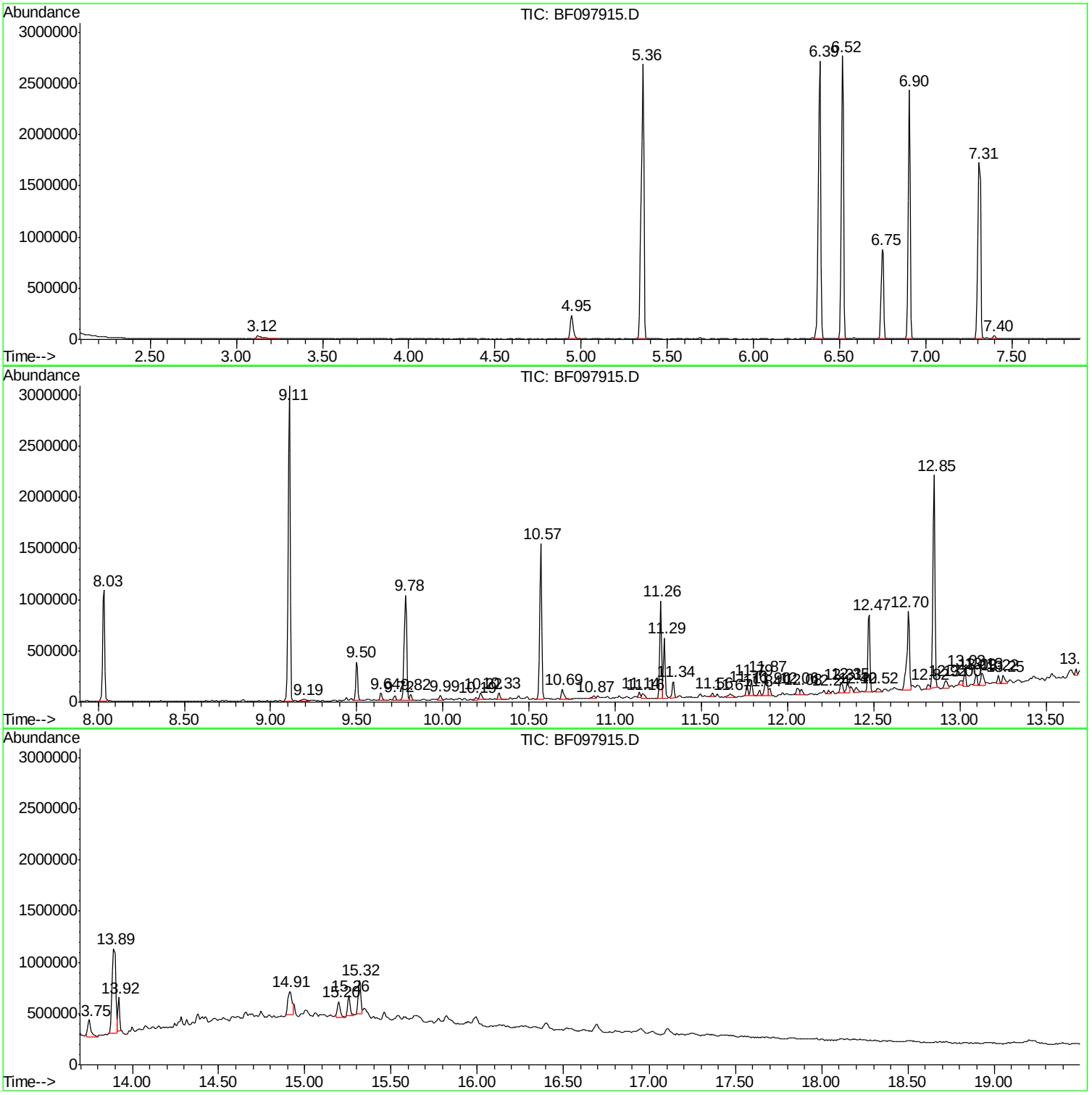
Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097915.D
Acq On : 21 Aug 2017 19:51
Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

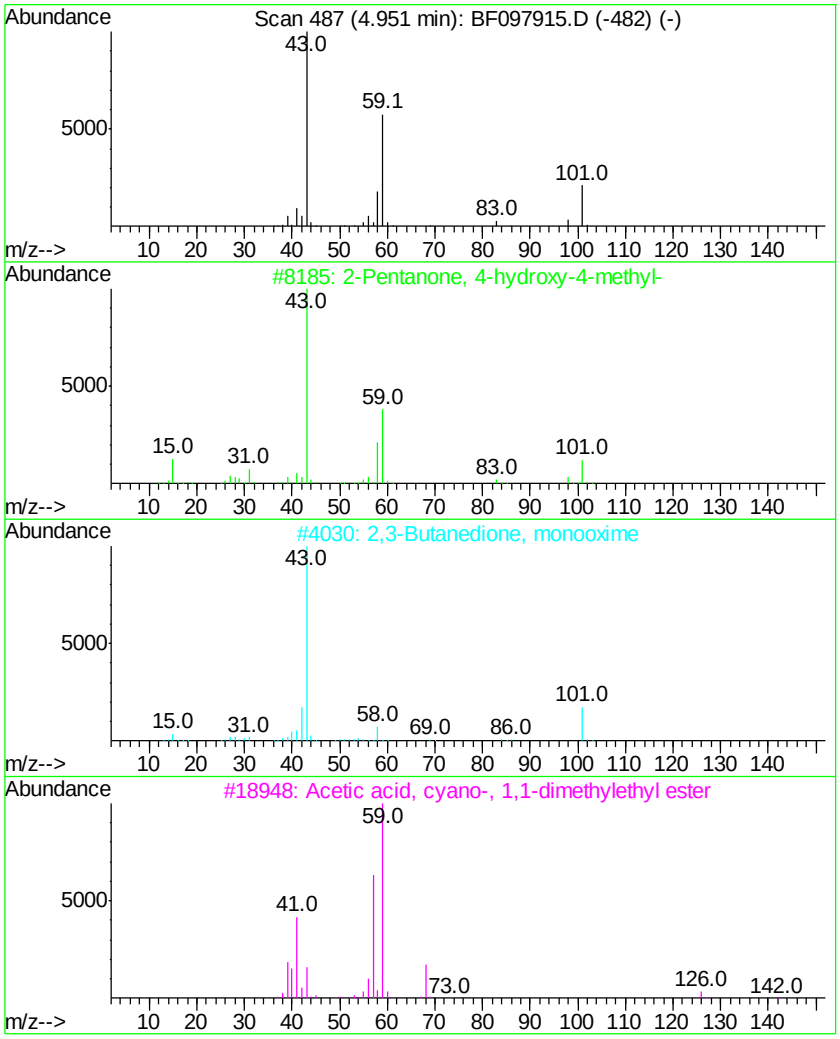
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

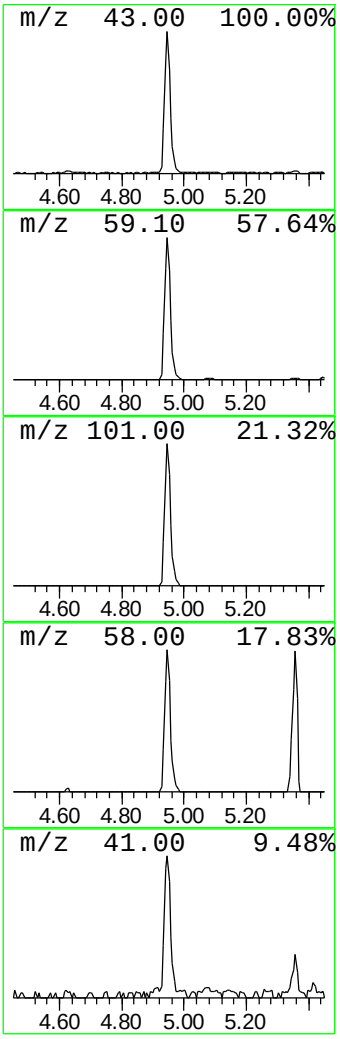
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	7.67 ng	299653	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Acetone	58	C3H6O	000067-64-1	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097915.D
Acq On : 21 Aug 2017 19:51
Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

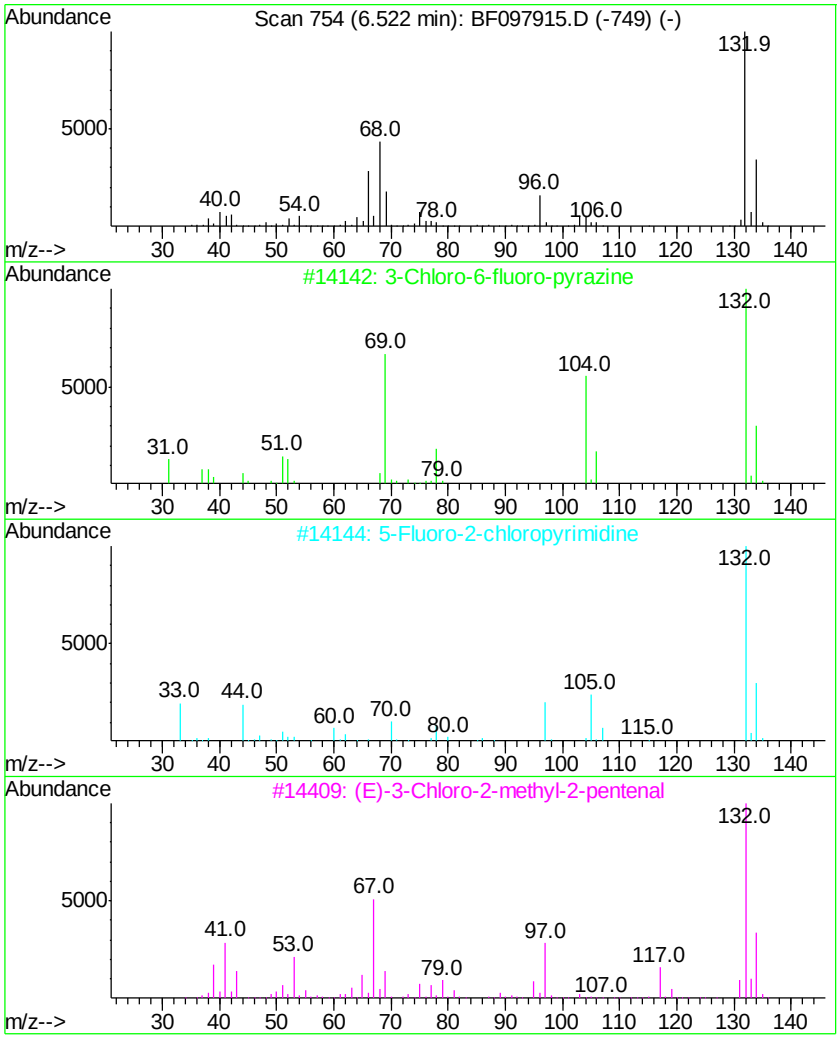
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

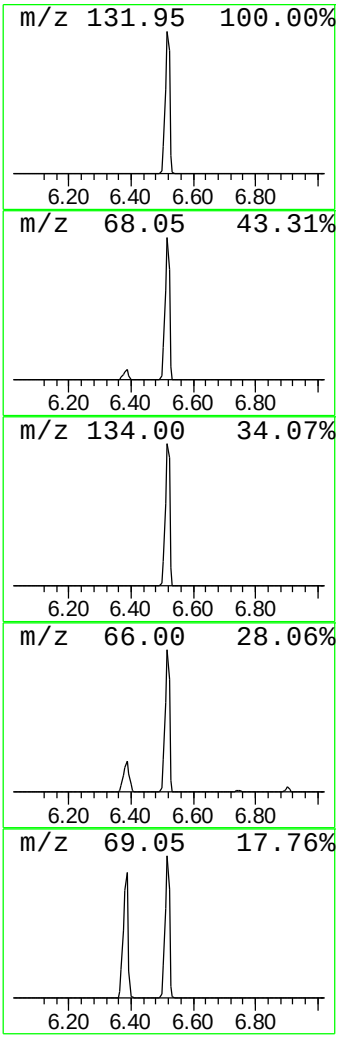
****

Peak Number 3 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	69.41 ng	2713560	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097915.D
Acq On : 21 Aug 2017 19:51
Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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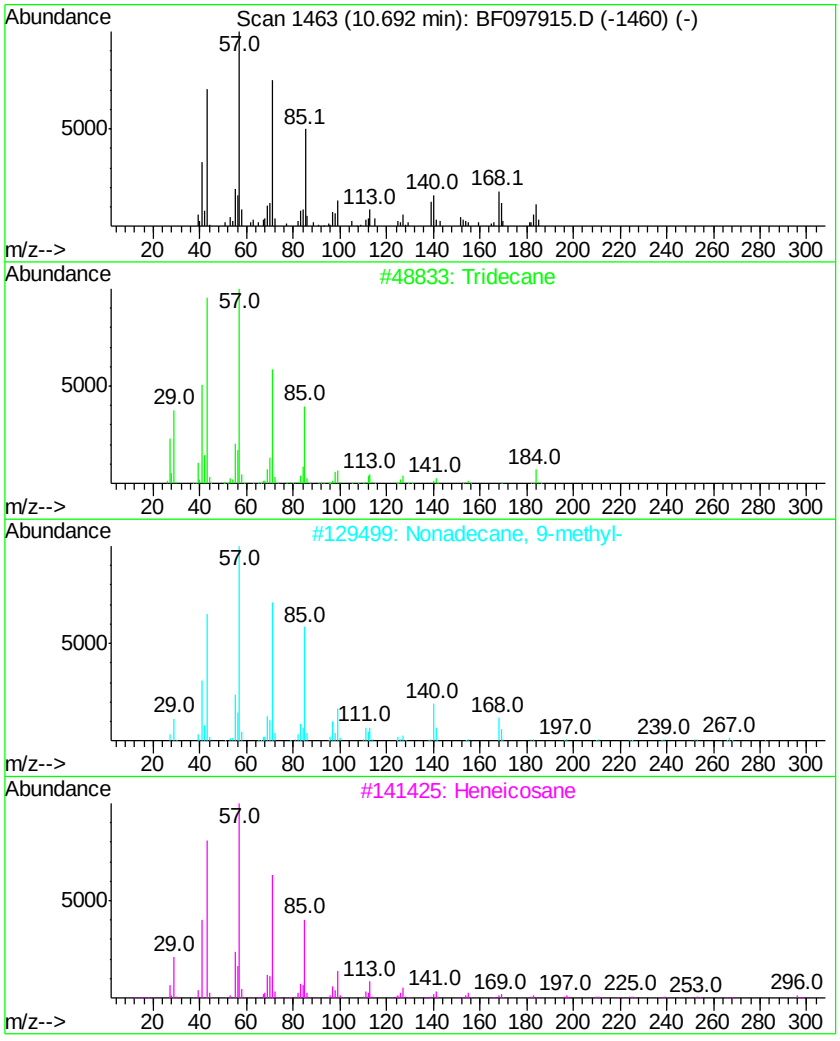
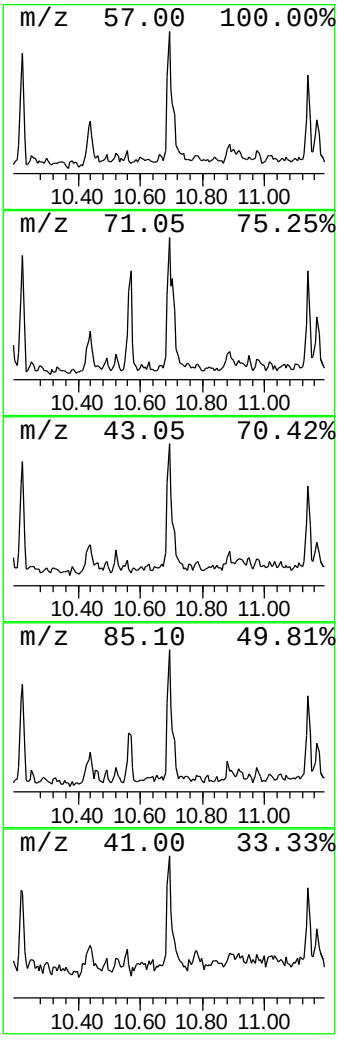
Peak Number 5 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	3.06 ng	120687	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	89
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	83
3	Heneicosane	296	C21H44	000629-94-7	68
4	Heptadecane	240	C17H36	000629-78-7	64
5	Tetradecane	198	C14H30	000629-59-4	64





Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

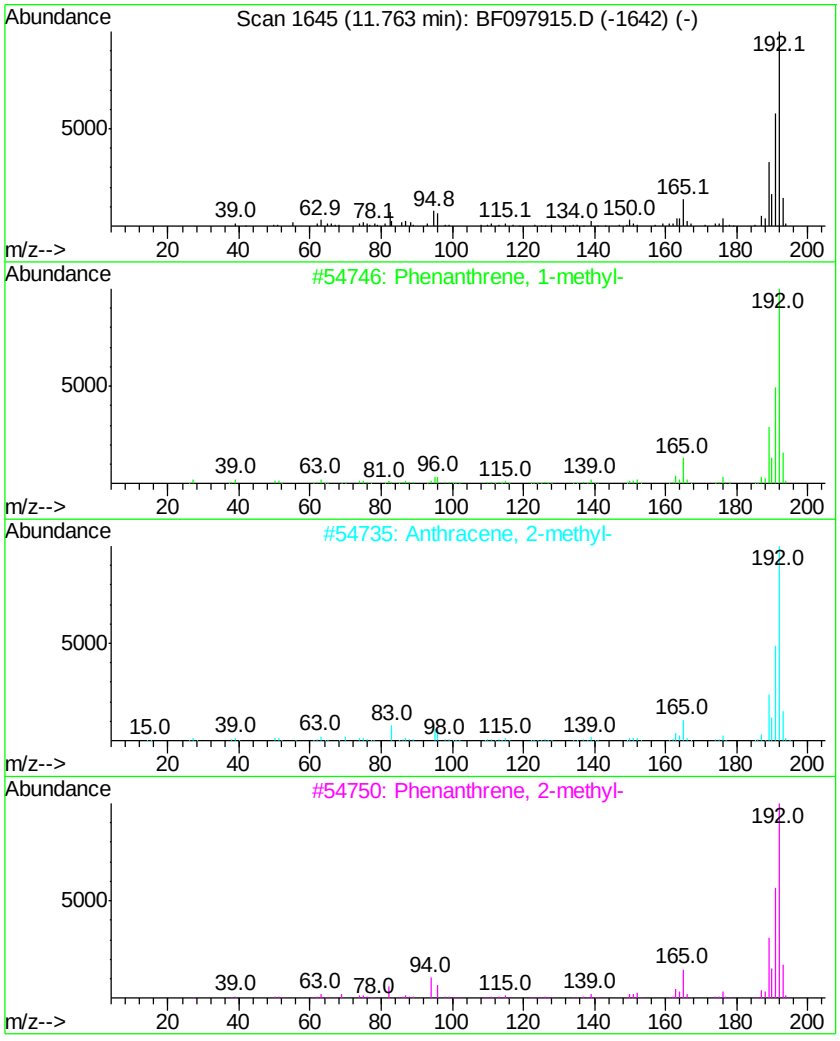
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

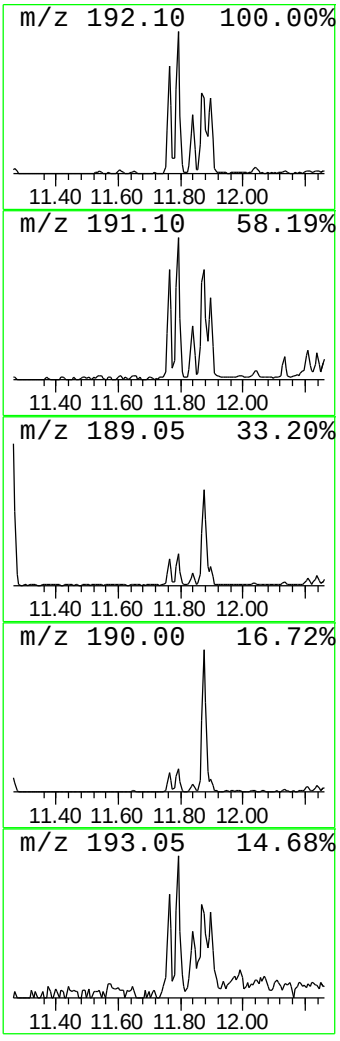
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.14 ng	84390	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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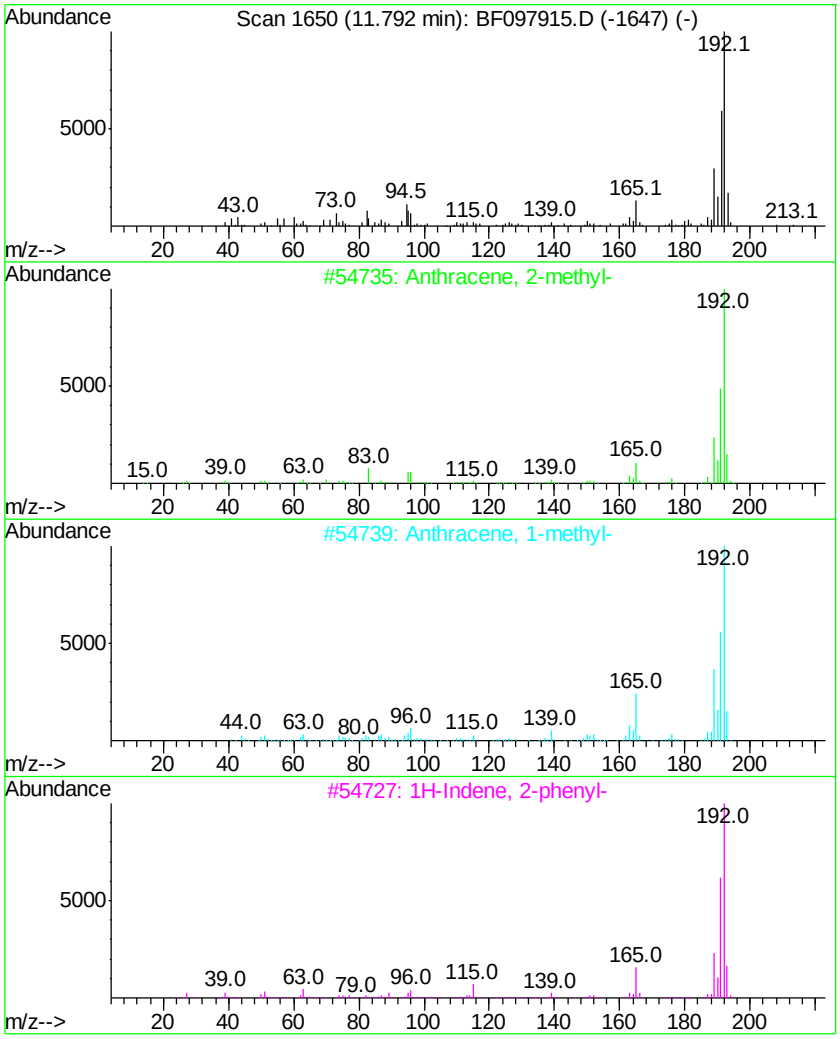
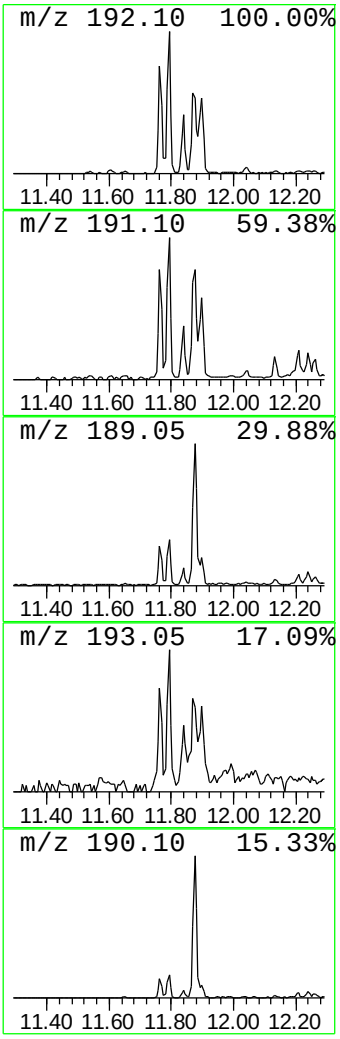
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.47 ng	137144	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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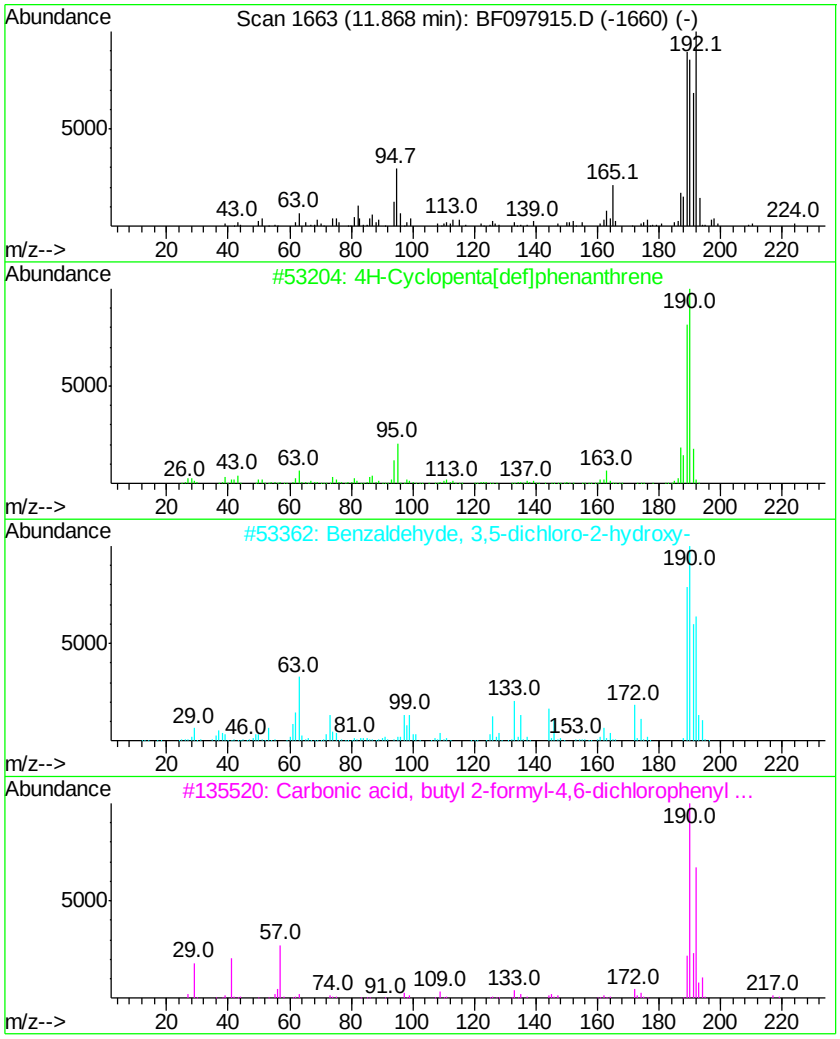
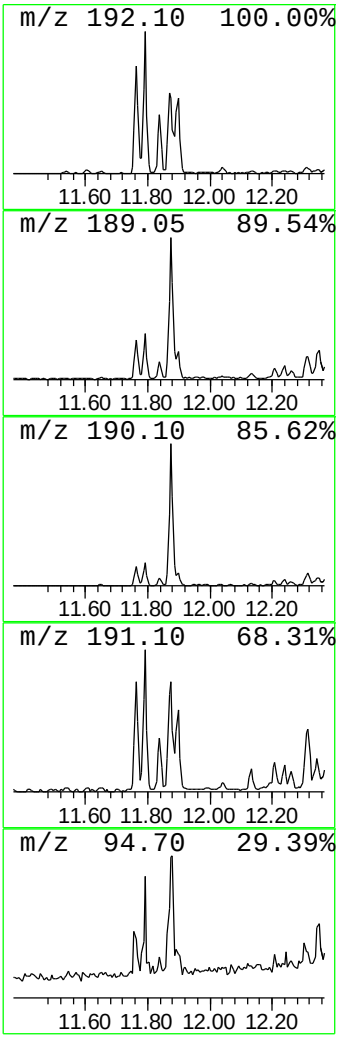
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.07 ng	200076	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
3	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	35
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	14





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Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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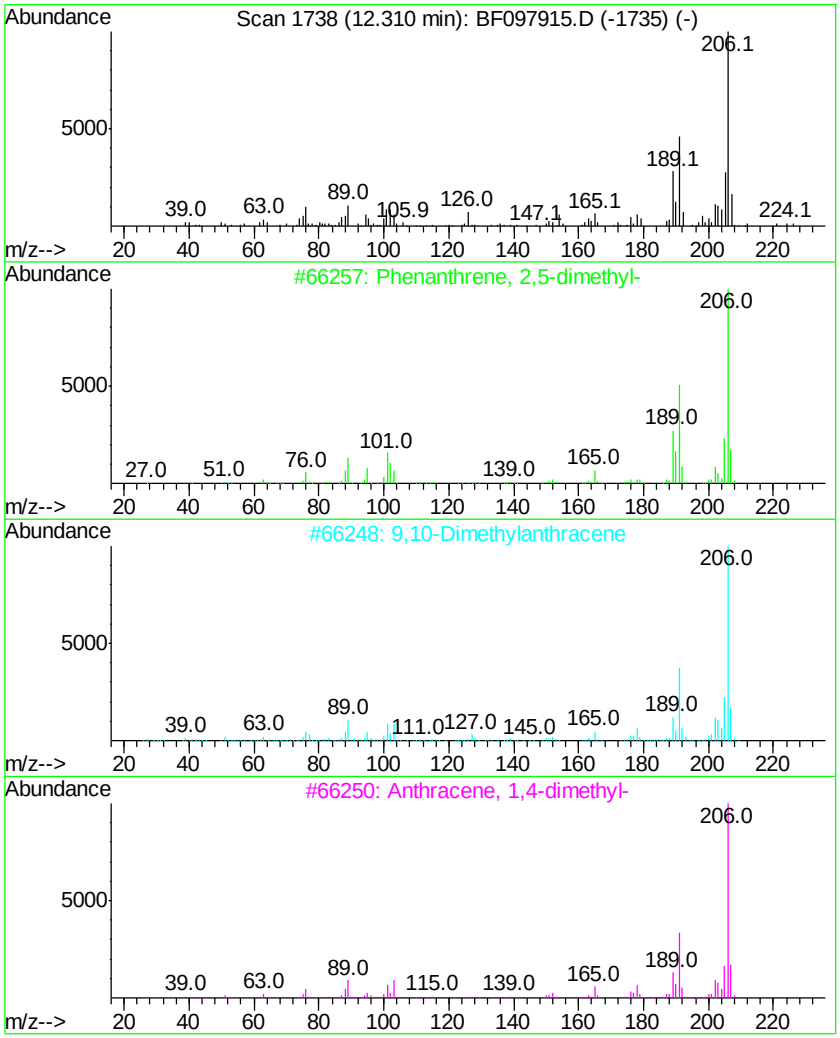
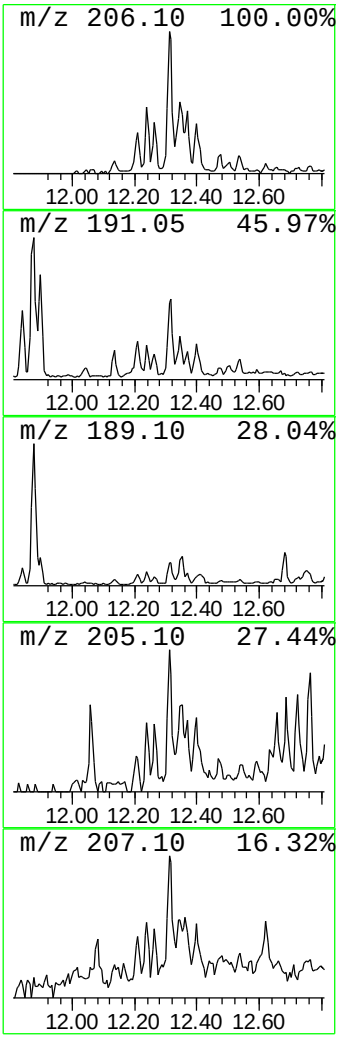
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.39 ng	94521	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097915.D
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Operator : SJ/JU
Sample : I4875-01
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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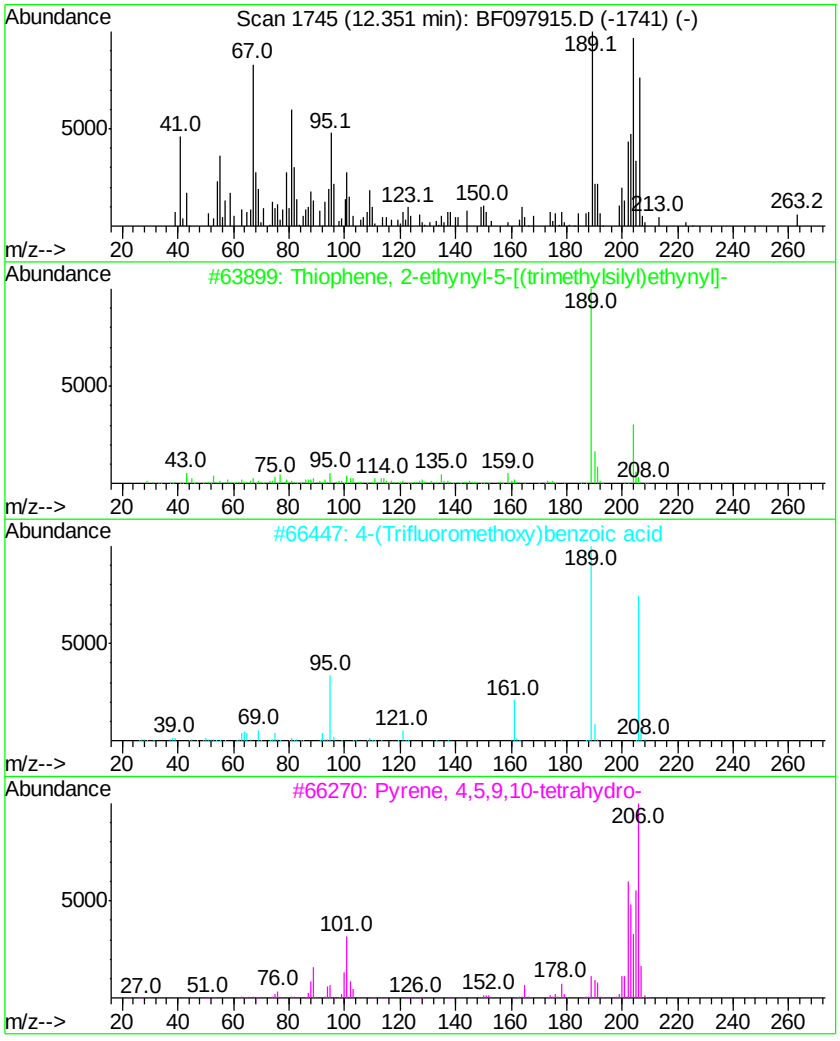
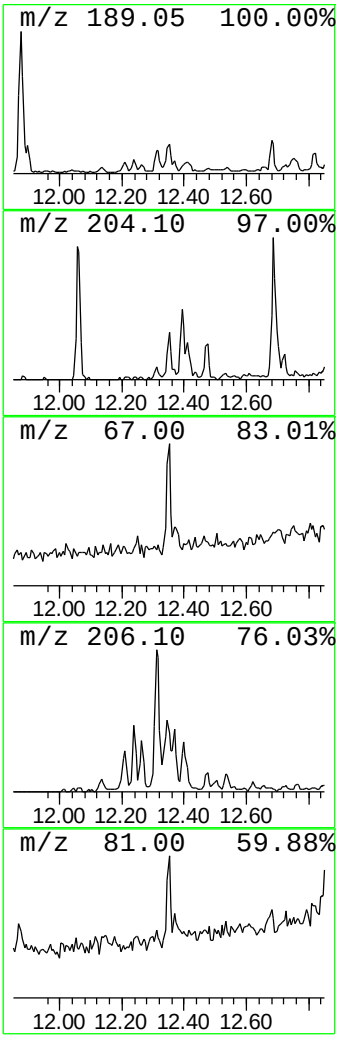
Peak Number 10 unknown12.35 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.04 ng	119914	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	35
2	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
4	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	25
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	22





Library Search Compound Report

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Data File : BF097915.D
Acq On : 21 Aug 2017 19:51
Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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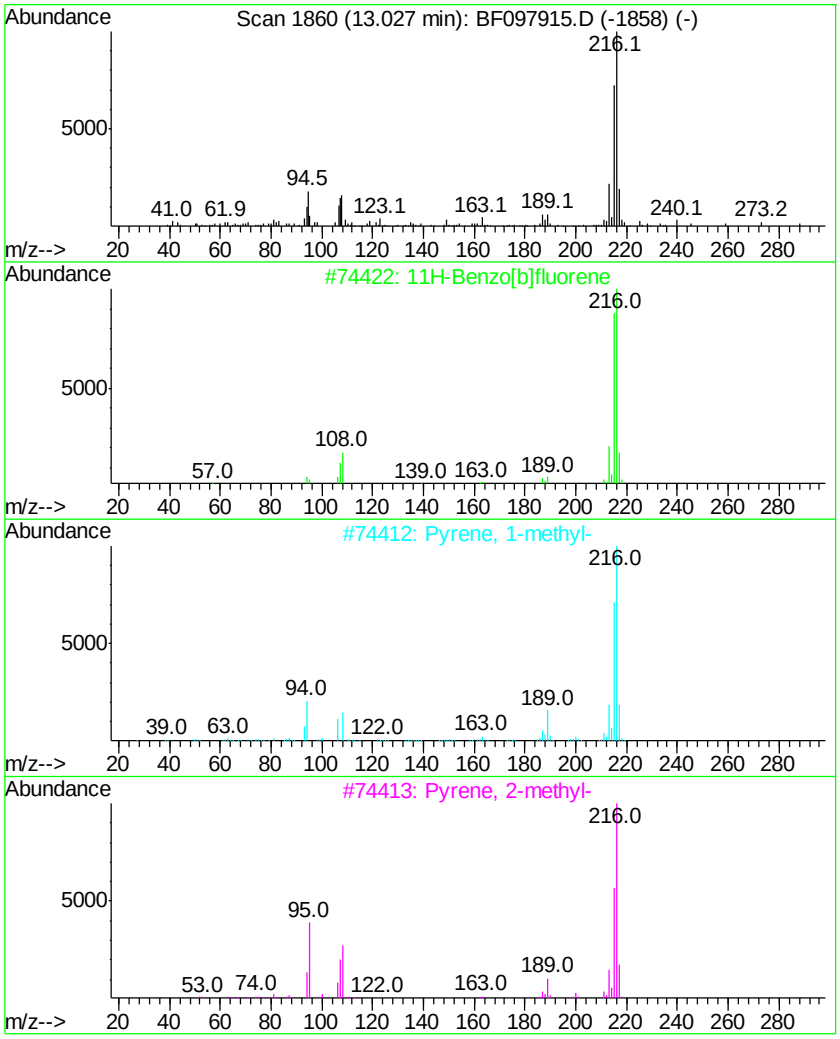
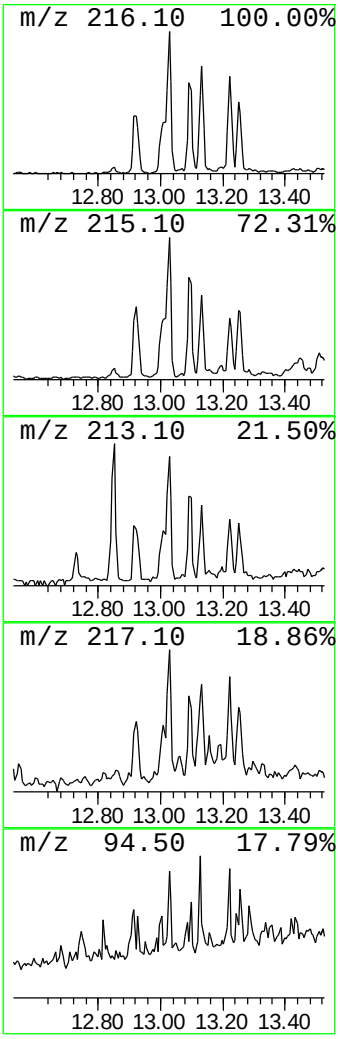
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.33 ng	129318	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Library Search Compound Report

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Sample : I4875-01
Misc :
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Instrument : BNA_F
ClientSampleId : CL-02-081717-A

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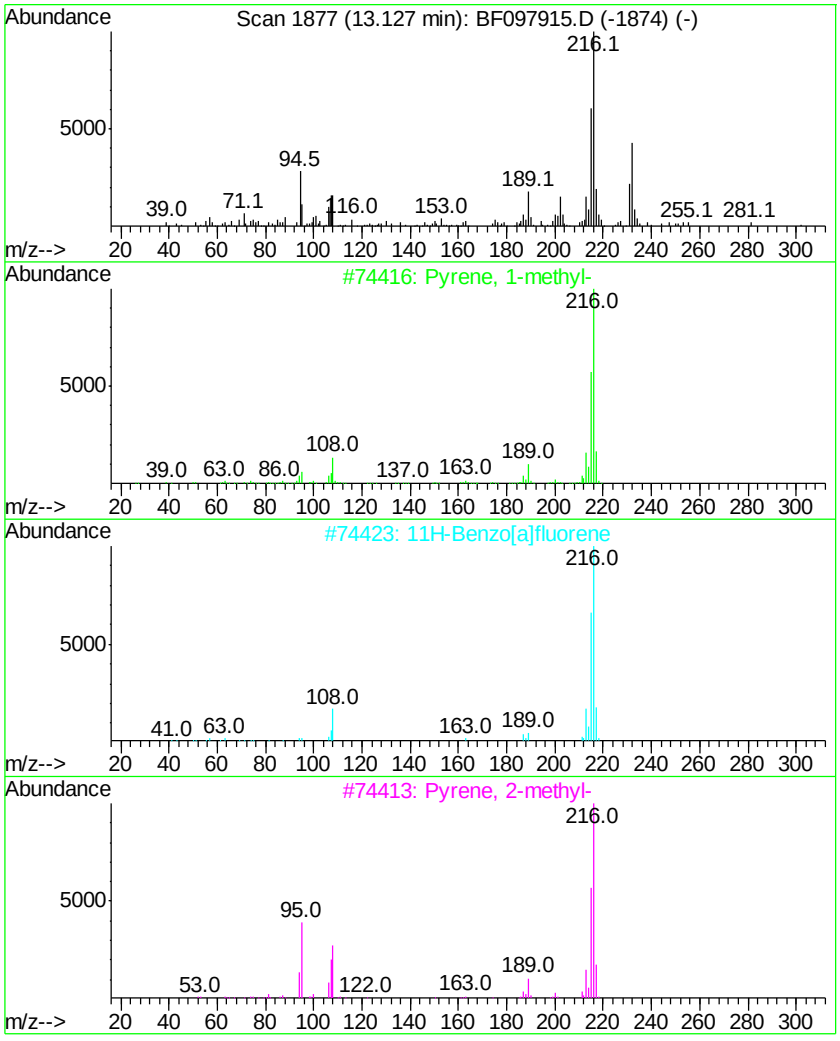
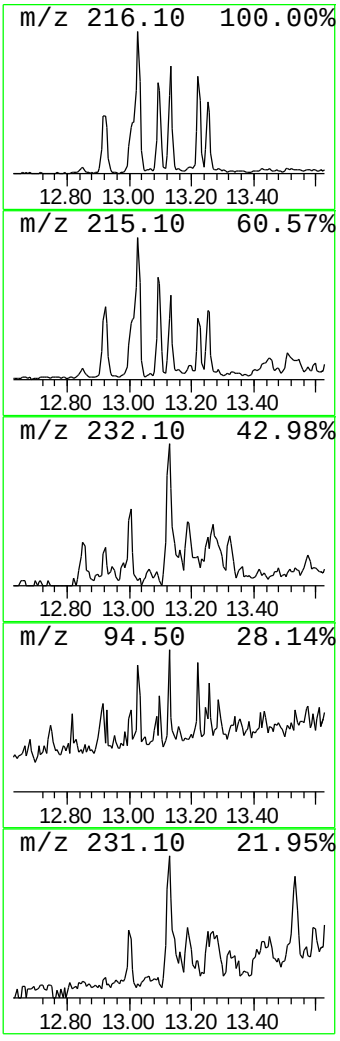
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.42 ng	134177	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55





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Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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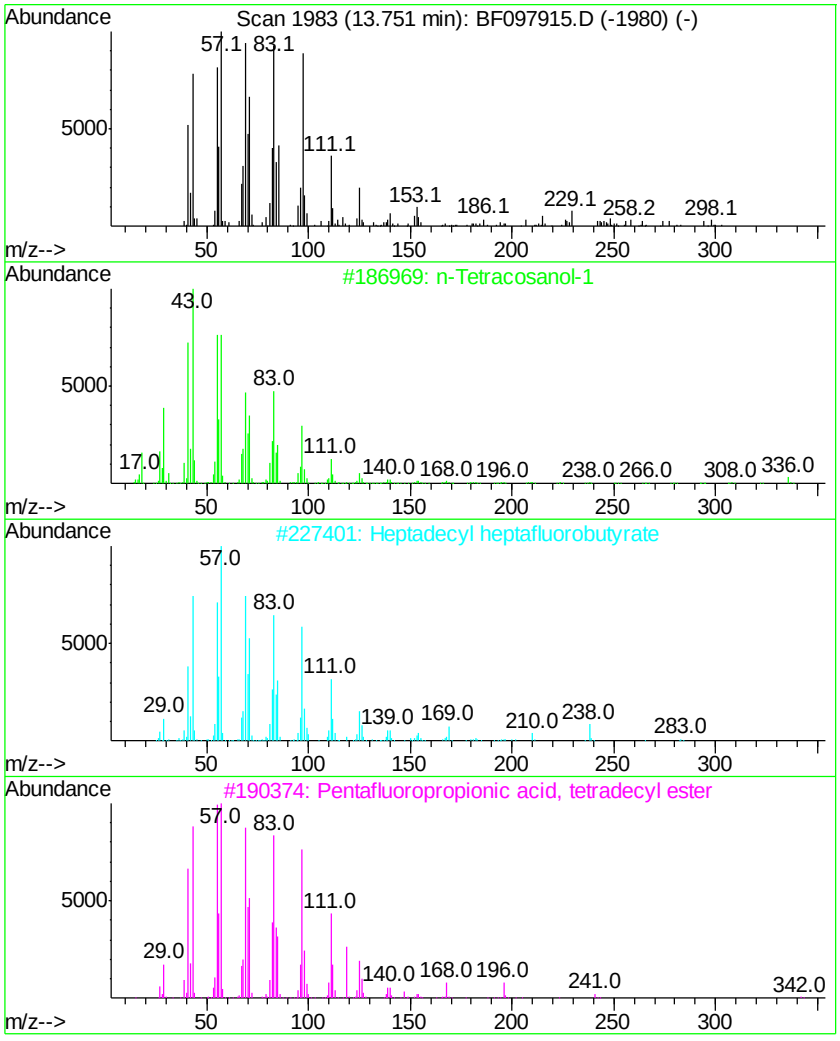
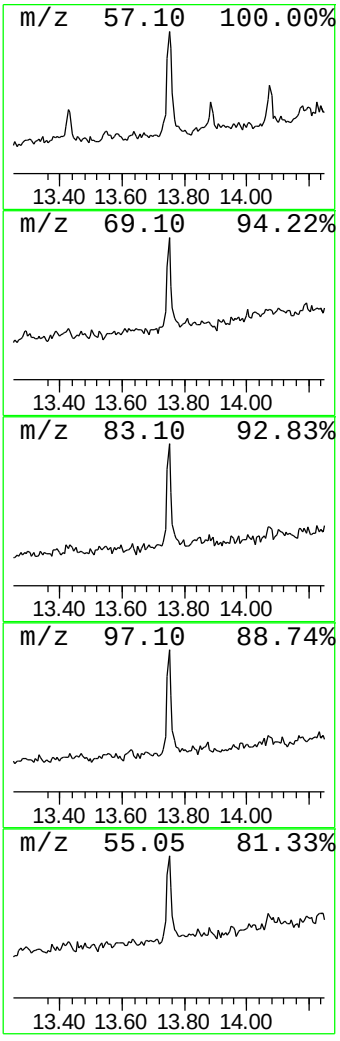
Peak Number 13 n-Tetracosanol-1 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.71 ng	205703	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
3	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	91
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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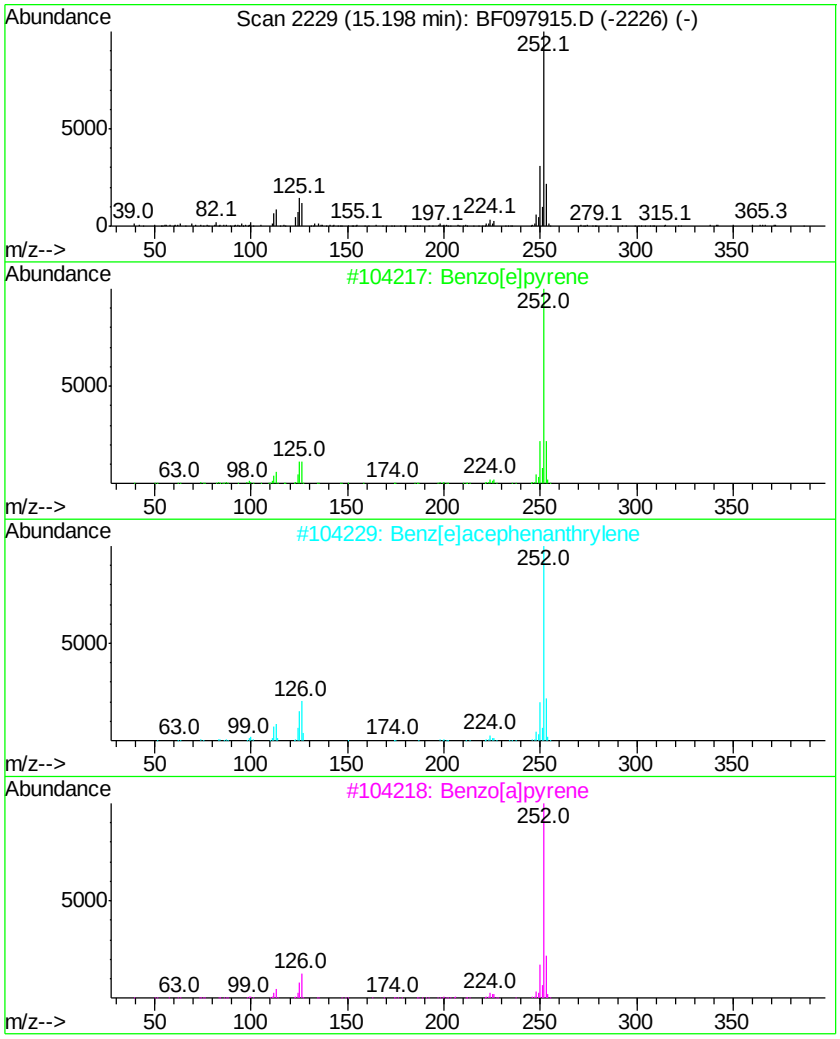
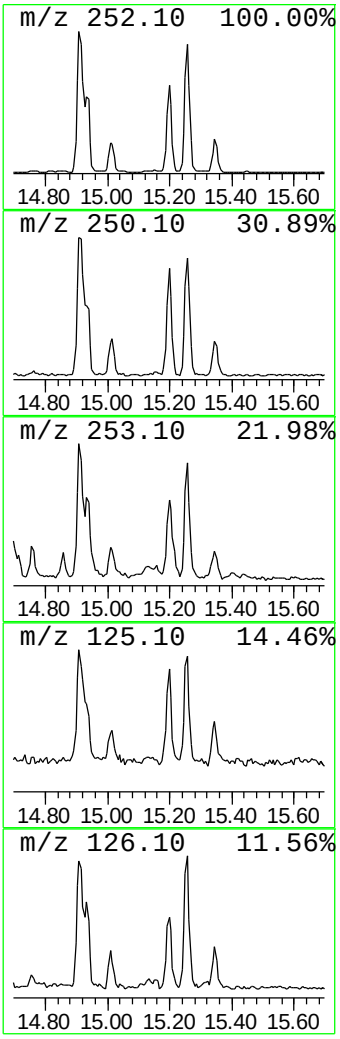
Peak Number 14 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	10.08 ng	196578	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : I4875-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
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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
2-Pentanone, 4-hy...	4.95	7.7	ng	299653	1	6.75	781849	20.0
unknown6.52	6.52	69.4	ng	2713560	1	6.75	781849	20.0
Tridecane	10.69	3.1	ng	120687	4	11.26	790004	20.0
Phenanthrene, 1-m...	11.76	2.1	ng	84390	4	11.26	790004	20.0
Anthracene, 2-met...	11.79	3.5	ng	137144	4	11.26	790004	20.0
4H-Cyclopenta[def...	11.87	5.1	ng	200076	4	11.26	790004	20.0
Phenanthrene, 2,5...	12.31	2.4	ng	94521	4	11.26	790004	20.0
unknown12.35	12.35	3.0	ng	119914	4	11.26	790004	20.0
11H-Benzo[b]fluorene	13.03	2.3	ng	129318	5	13.90	1109770	20.0
Pyrene, 1-methyl-	13.13	2.4	ng	134177	5	13.90	1109770	20.0
n-Tetracosanol-1	13.75	3.7	ng	205703	5	13.90	1109770	20.0
Benzo[e]pyrene	15.20	10.1	ng	196578	6	15.32	389993	20.0