LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

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-BF072517.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	4.522	478	482	505	rBV	121688	258032	9.73%	0.965%
2	4.987	558	561	586	rBV	1776071	2505762	94.52%	9.371%
3	5.628	665	670	676	rVB3	19894	30183	1.14%	0.113%
4	6.069	742	745	758	rBV	2328761	2651012	100.00%	9.914%
5	6.169	758	762	772	rVV	2160503	2523866	95.20%	9.438%
6	6.240	772	774	785	rVB2	26597	34940	1.32%	0.131%
7	6.392	796	800	809	rBV	679944	747632	28.20%	2.796%
8	6.545	822	826	840	rVB	1564782	1534392	57.88%	5.738%
9	6.963	894	897	917	rBV	1394598	1552575	58.57%	5.806%
10	7.675	1014	1018	1021	rBV	1064787	1009013	38.06%	3.773%
11	7.698	1021	1022	1029	rVV	196306	159931	6.03%	0.598%
12	7.757	1029	1032	1039	rVB4	18530	30047	1.13%	0.112%
13	8.486	1152	1156	1163	rVB	51001	56351	2.13%	0.211%
14	8.751	1197	1201	1208	rBV	1830860	1611774	60.80%	6.028%
15	8.857	1213	1219	1223	rBV2	26958	35307	1.33%	0.132%
16	9.016	1243	1246	1254	rBV2	33121	54427	2.05%	0.204%
17	9.086	1254	1258	1261	rBV	54495	59196	2.23%	0.221%
18	9.157	1267	1270	1275	rBV	578853	475897	17.95%	1.780%
19	9.204	1275	1278	1284	rVB	34211	49534	1.87%	0.185%
20	9.281	1288	1291	1296	rVB	88261	77572	2.93%	0.290%
21	9.416	1310	1314	1317	rBV2	1085749	942466	35.55%	3.525%
22	9.445	1317	1319	1330	rVB	195932	210488	7.94%	0.787%
23	9.628	1346	1350	1354	rBV	92481	85931	3.24%	0.321%
24	9.739	1364	1369	1372	rBV2	36088	43976	1.66%	0.164%
25	9.828	1380	1384	1386	rBV4	22455	32347	1.22%	0.121%
26	9.875	1389	1392	1395	rVB2	44669	40588	1.53%	0.152%
27	9.963	1404	1407	1414	rVB	207466	196412	7.41%	0.735%
28	10.051	1420	1422	1424	rVV	35536	28205	1.06%	0.105%
29	10.092	1427	1429	1432	rVV2	38472	39917	1.51%	0.149%
30	10.128	1432	1435	1440	rVB	65963	64889	2.45%	0.243%
31	10.210	1445	1449	1454	rBV	1120211	1199021	45.23%	4.484%
32	10.339	1468	1471	1477	rVB2	59520	71919	2.71%	0.269%
33	10.510	1496	1500	1503	rBV2	48273	66199	2.50%	0.248%
34	10.751	1538	1541	1544	rBV2	31371	30787	1.16%	0.115%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.786	1544	1547	1550	rBV2	82241	89258	3.37%	0.334%
36	10.892	1562	1565	1567	rBV	898722	801679	30.24%	2.998%
37	10.916	1567	1569	1574	rVB	608976	505985	19.09%	1.892%
38	10.969	1575	1578	1582	rVV	221894	207653	7.83%	0.777%
39	11.016	1584	1586	1591	rVV2	23059	35195	1.33%	0.132%
40	11.145	1605	1608	1613	rBV	37420	50929	1.92%	0.190%
41	11.392	1648	1650	1653	rBV	67514	63317	2.39%	0.237%
42	11.422	1653	1655	1658	rBV	68126	63044	2.38%	0.236%
43	11.451	1658	1660	1662	rBV	51570	49455	1.87%	0.185%
44	11.475	1662	1664	1666	rVB	59016	46557	1.76%	0.174%
45	11.504	1666	1669	1672	rBV	150683	153538	5.79%	0.574%
46	11.692	1698	1701	1705	rVB	65967	71575	2.70%	0.268%
47	11.945	1741	1744	1749	rBV2	53799	77517	2.92%	0.290%
48	12.098	1767	1770	1775	rBV	715571	694564	26.20%	2.597%
49	12.198	1785	1787	1791	rBV	35164	29971	1.13%	0.112%
50	12.322	1803	1808	1812	rBV	586439	651728	24.58%	2.437%
51	12.474	1830	1834	1843	rVB	1092718	1054579	39.78%	3.944%
52	12.639	1859	1862	1863	rBV3	49523	58755	2.22%	0.220%
53	12.657	1863	1865	1871	rVB	125030	125525	4.73%	0.469%
54	12.721	1874	1876	1879	rVB	109969	91609	3.46%	0.343%
55	12.763	1880	1883	1887	rVB	74689	83825	3.16%	0.313%
56	13.180	1952	1954	1960	rVB3	91194	83880	3.16%	0.314%
57	13.392	1987	1990	1994	rVB3	89804	99436	3.75%	0.372%
58	13.516	2007	2011	2014	rBV2	682581	901070	33.99%	3.370%
59	13.545	2014	2016	2020	rVB	309258	297715	11.23%	1.113%
60	14.515	2178	2181	2184	rBV	319440	383634	14.47%	1.435%
61	14.610	2195	2197	2202	rVB	79888	83472	3.15%	0.312%
62	14.763	2220	2223	2226	rBV	158623	156278	5.90%	0.584%
63	14.815	2229	2232	2236	rVB	268798	279446	10.54%	1.045%
64	14.863	2236	2240	2243	rBV	475080	531897	20.06%	1.989%
65	15.721	2382	2386	2390	rBV3	51679	74833	2.82%	0.280%
66	16.057	2439	2443	2451	rVB2	112251	212046	8.00%	0.793%
67	16.409	2499	2503	2512	rBV	61837	119685	4.51%	0.448%

Sum of corrected areas: 26740238

LSC Report - Integrated Chromatogram

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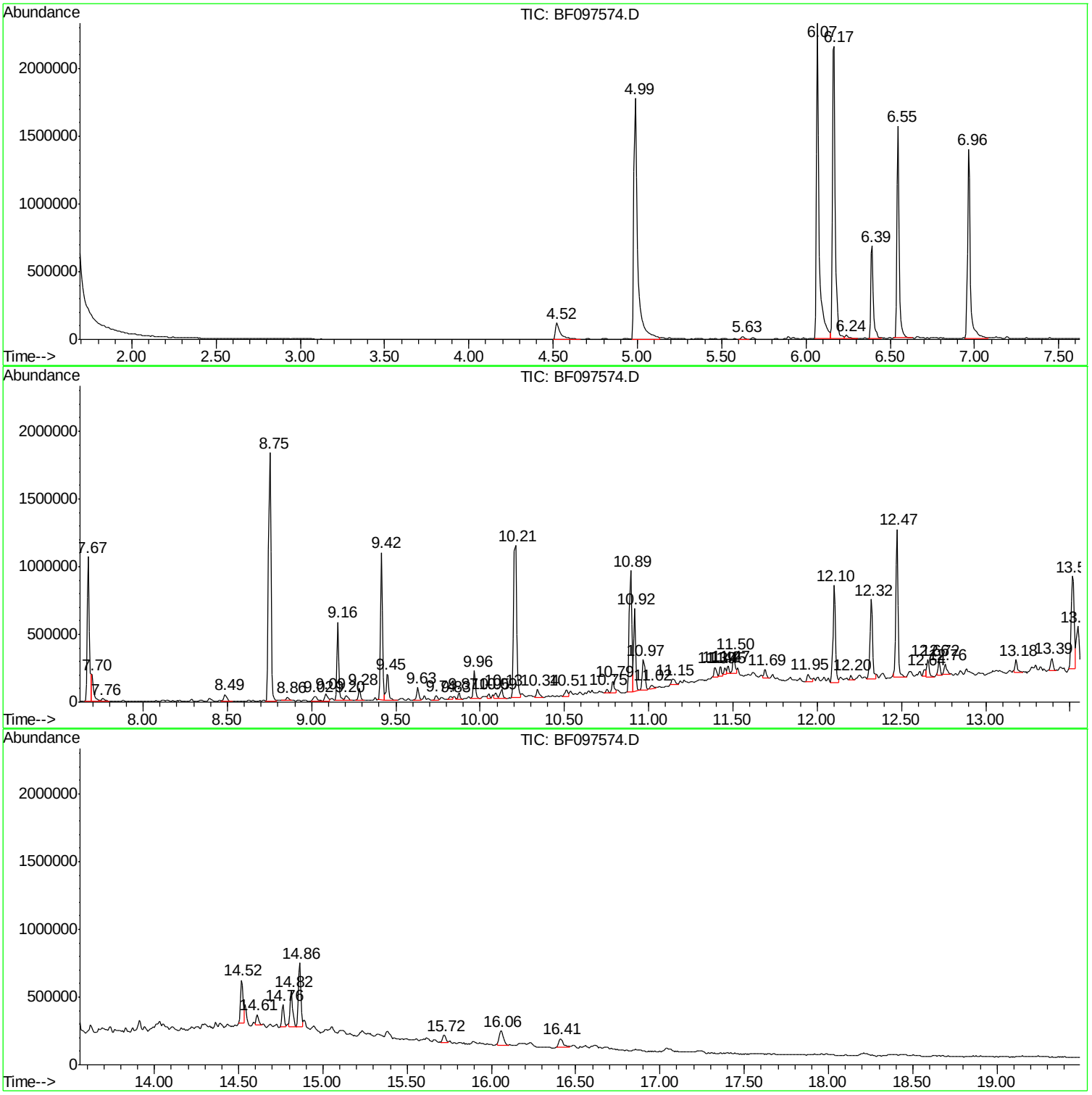
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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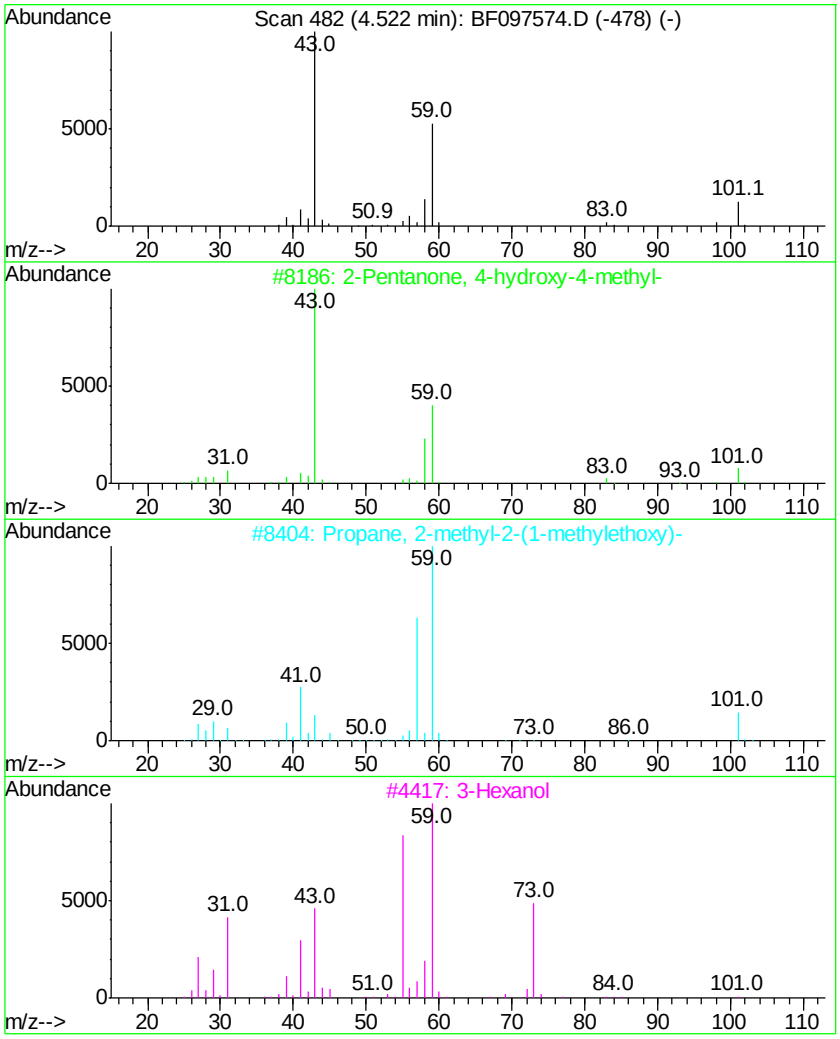
TIC Integration Parameters: LSCINT.P

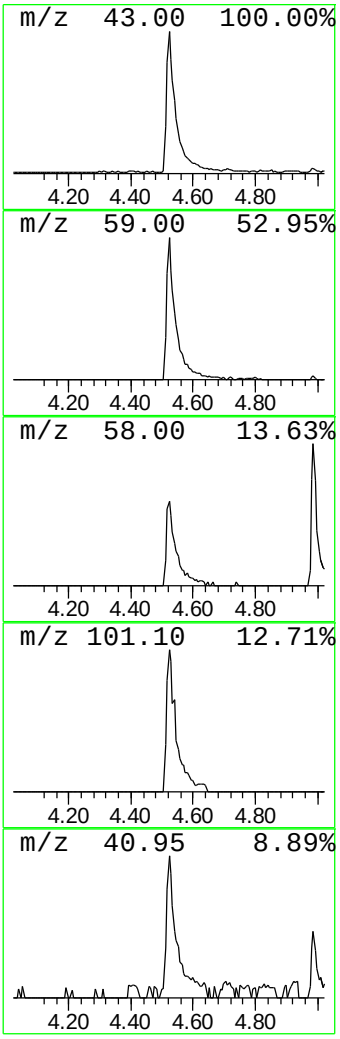
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.52	6.90 ng	258032	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol	102	C6H14O	000623-37-0	36
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

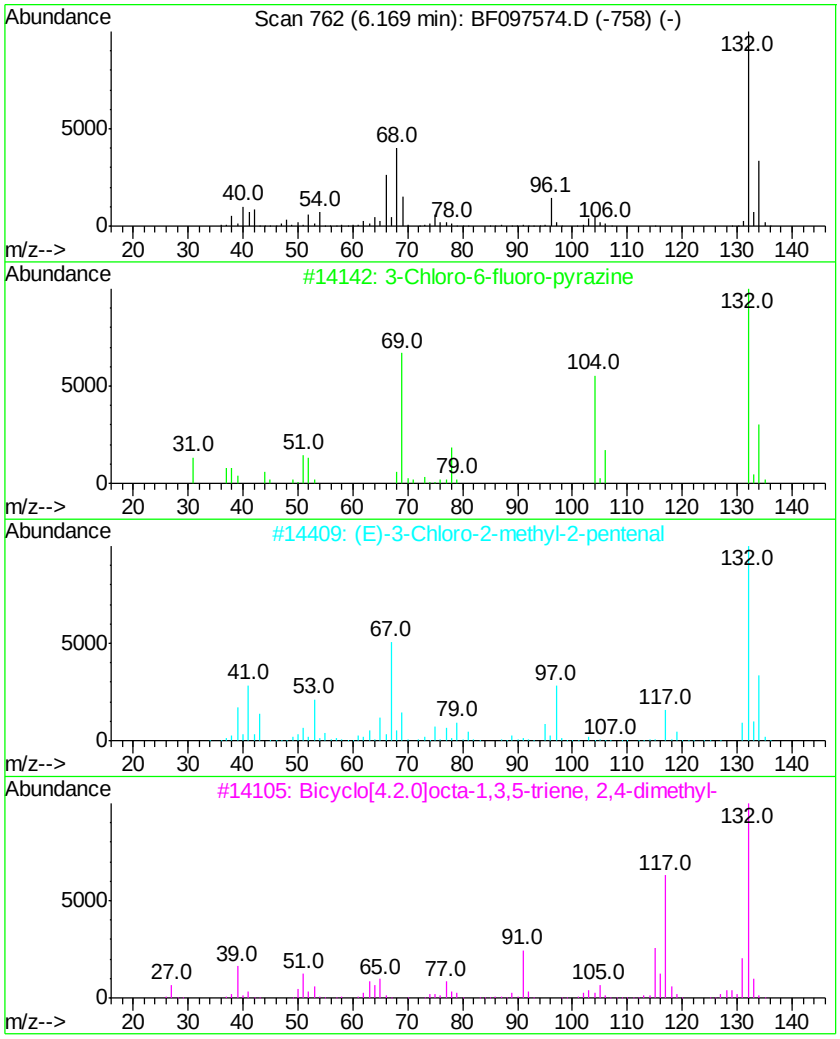
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

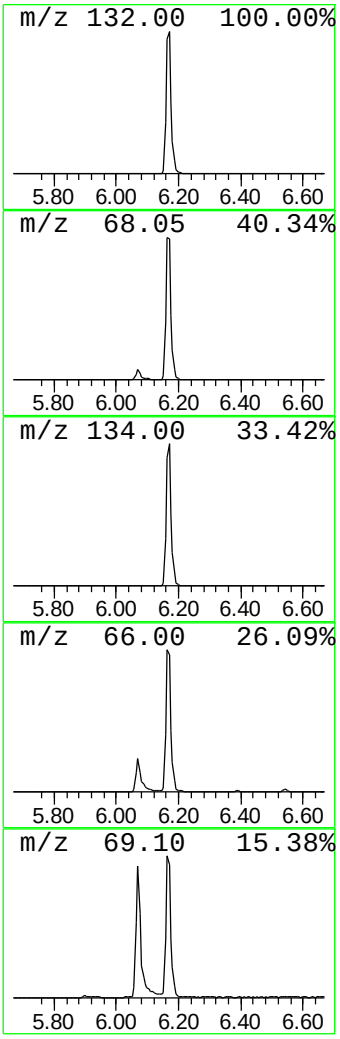
****

Peak Number 2 unknown6.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	67.52 ng	2523870	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	9





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Sample : I4697-04
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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TIC Library : C:\DATABASE\NIST11.L
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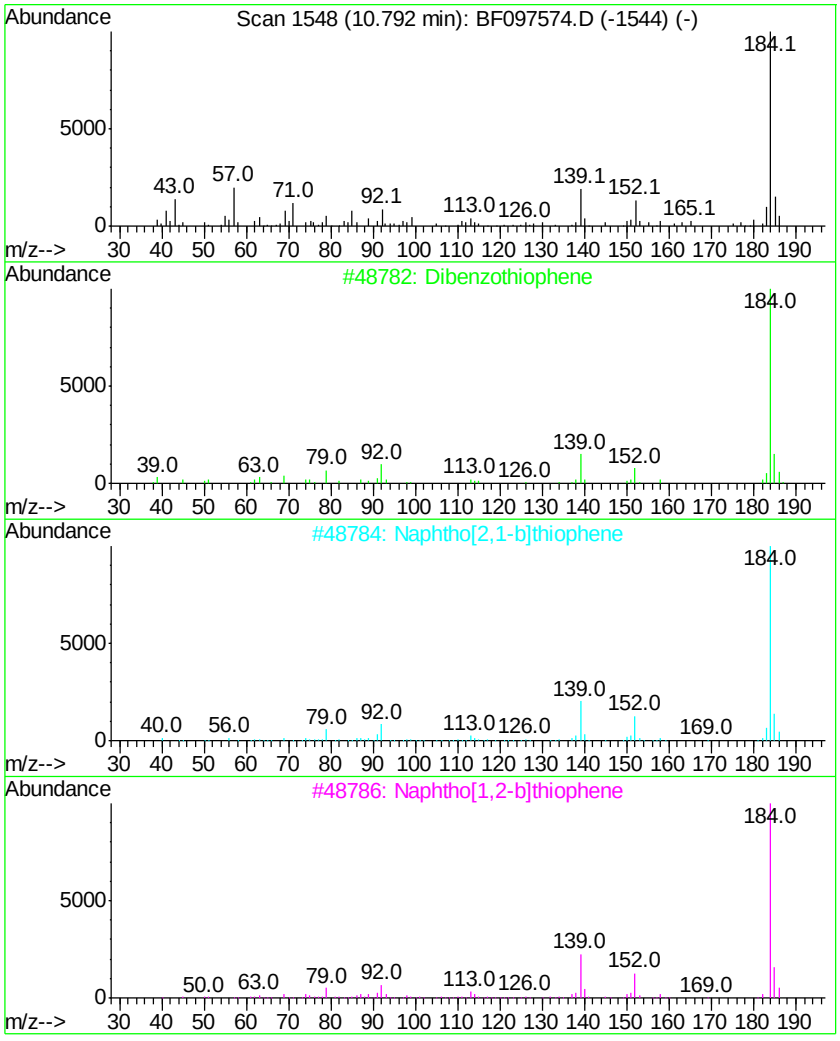
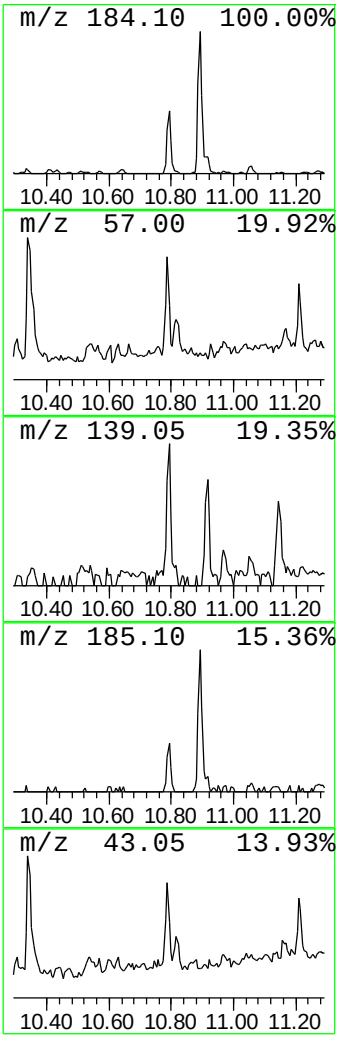
****

Peak Number 4 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.23 ng	89258	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	86
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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TIC Library : C:\DATABASE\NIST11.L
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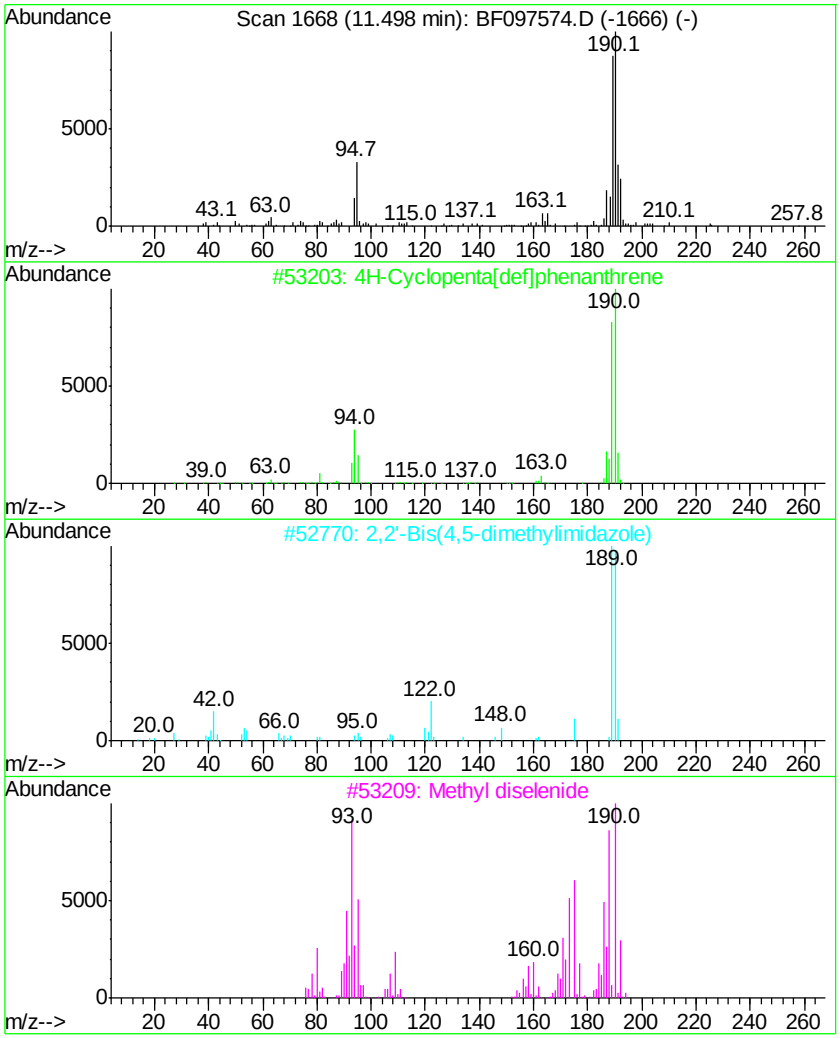
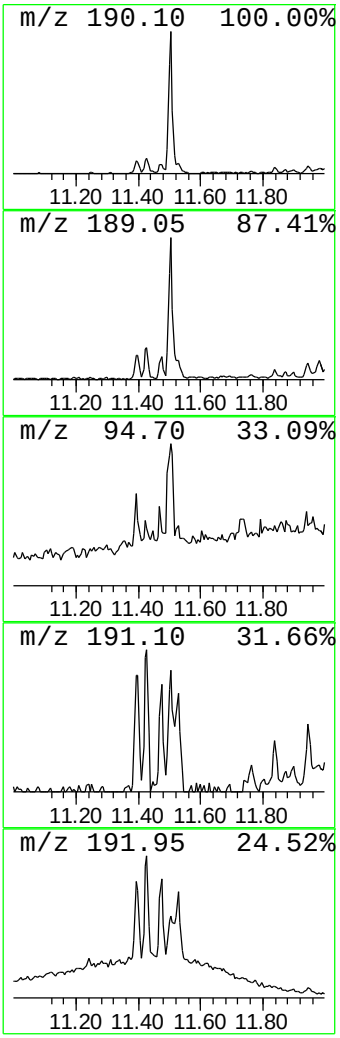
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	3.83 ng	153538	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	Megastigmatrienone	190	C13H18O	038818-55-2	18
5	Benzene-1,2-dicarbonitrile, 4-ch...	247	C12H10ClN3O	309735-19-1	17





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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

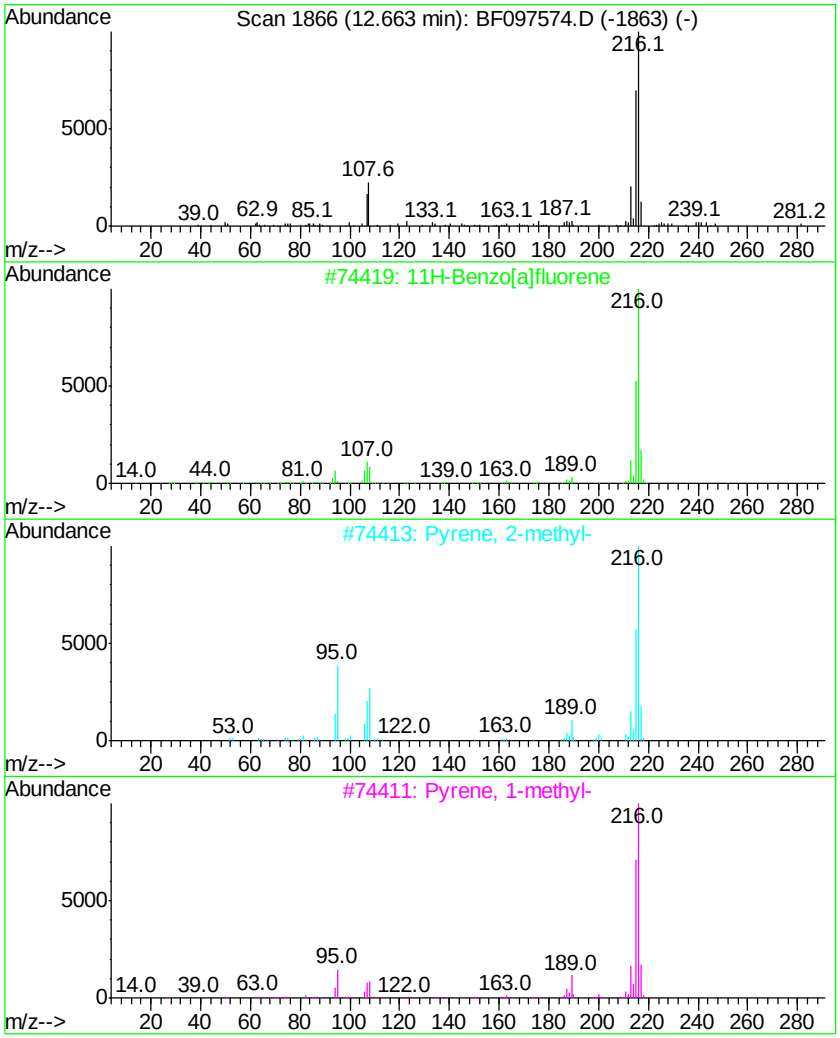
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

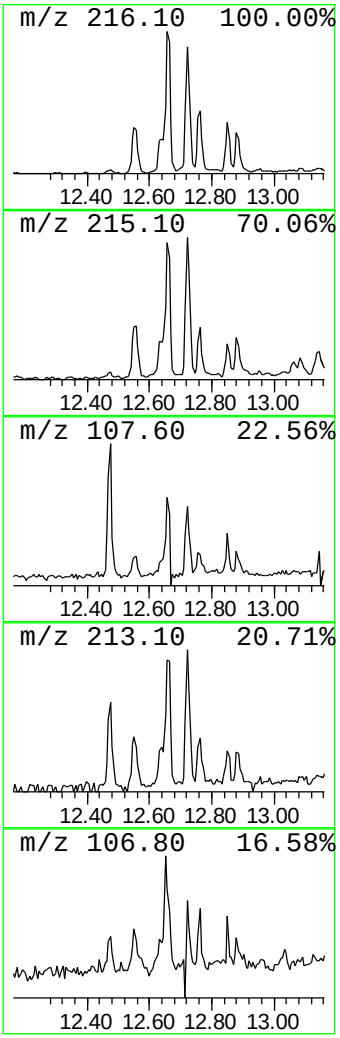
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	2.79 ng	125525	Chrysene-d12	13.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





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Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

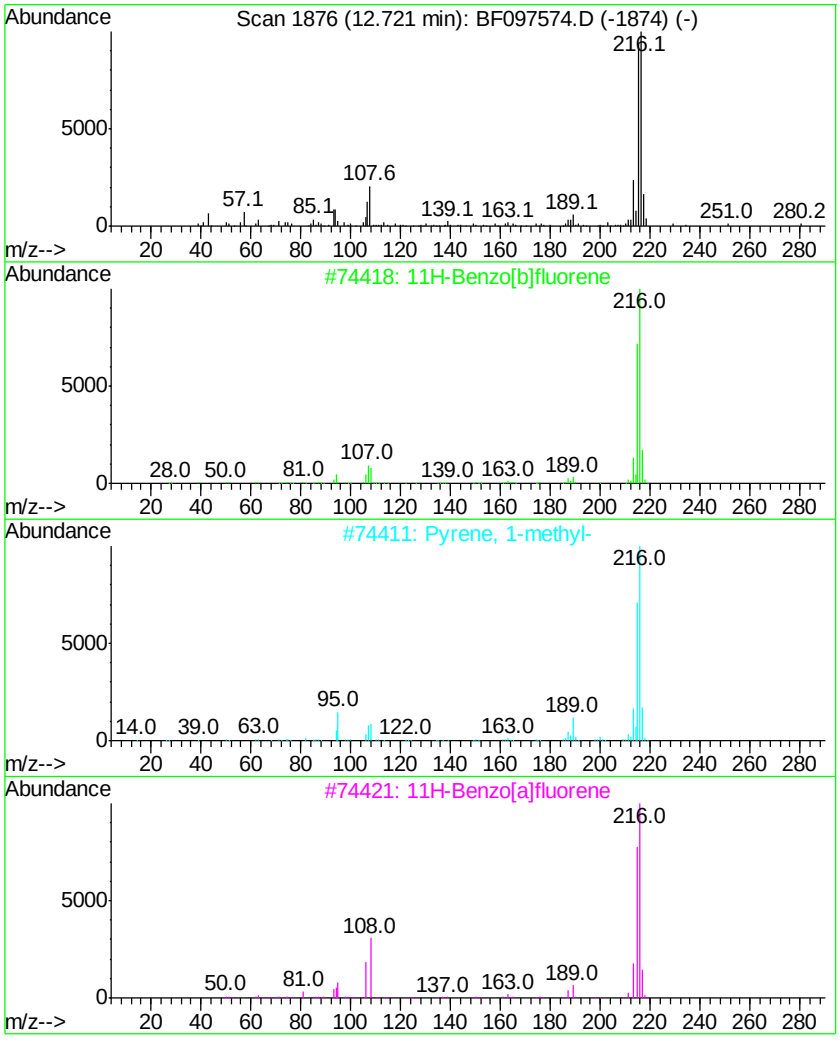
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

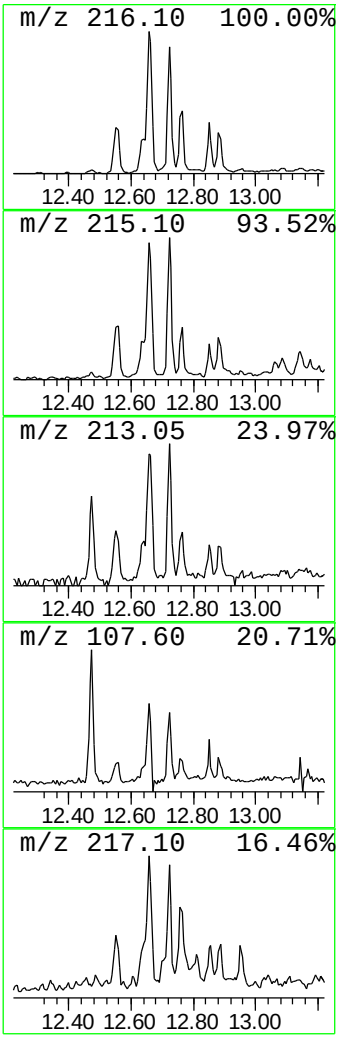
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.03 ng	91609	Chrysene-d12	13.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

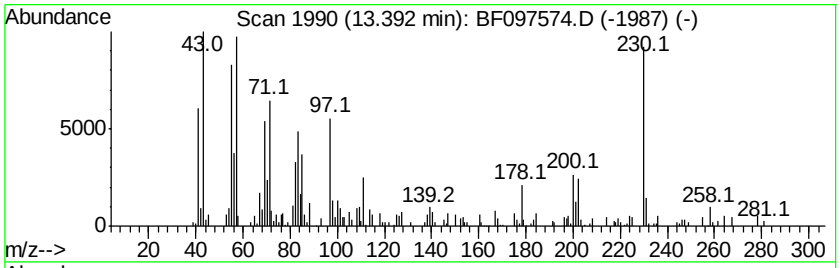
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

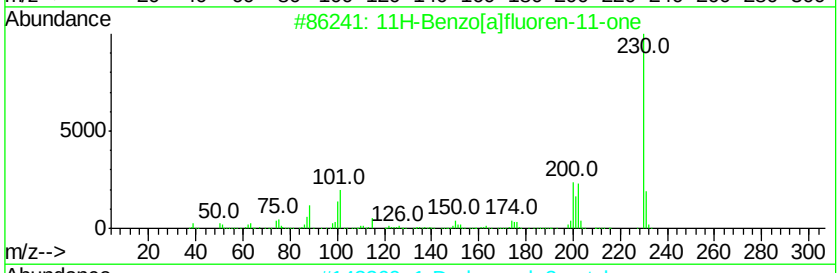
****

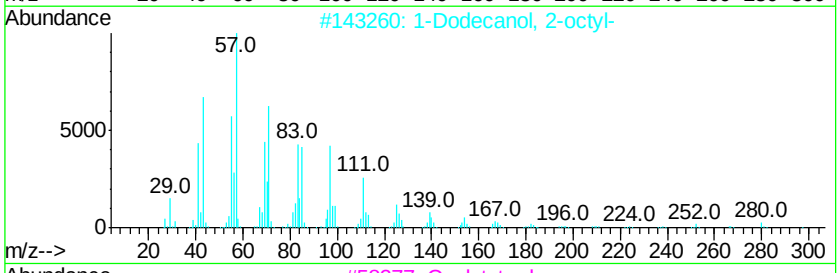
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 10

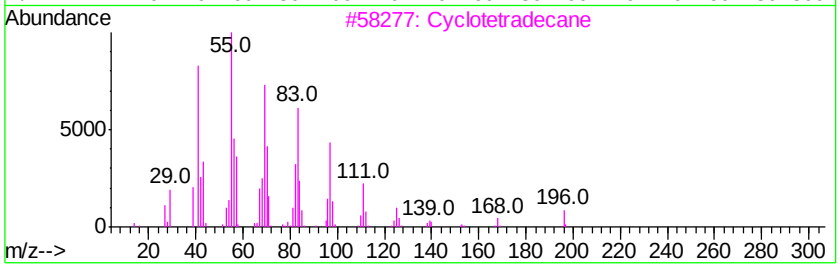
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.21 ng	99436	Chrysene-d12	13.52

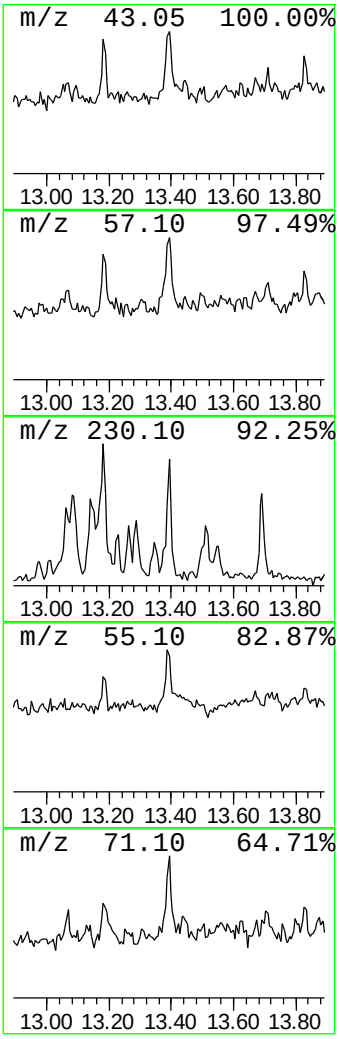
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	55
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	45
3	Cyclotetradecane	196	C14H28	000295-17-0	45
4	Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	43
5	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	43











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Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

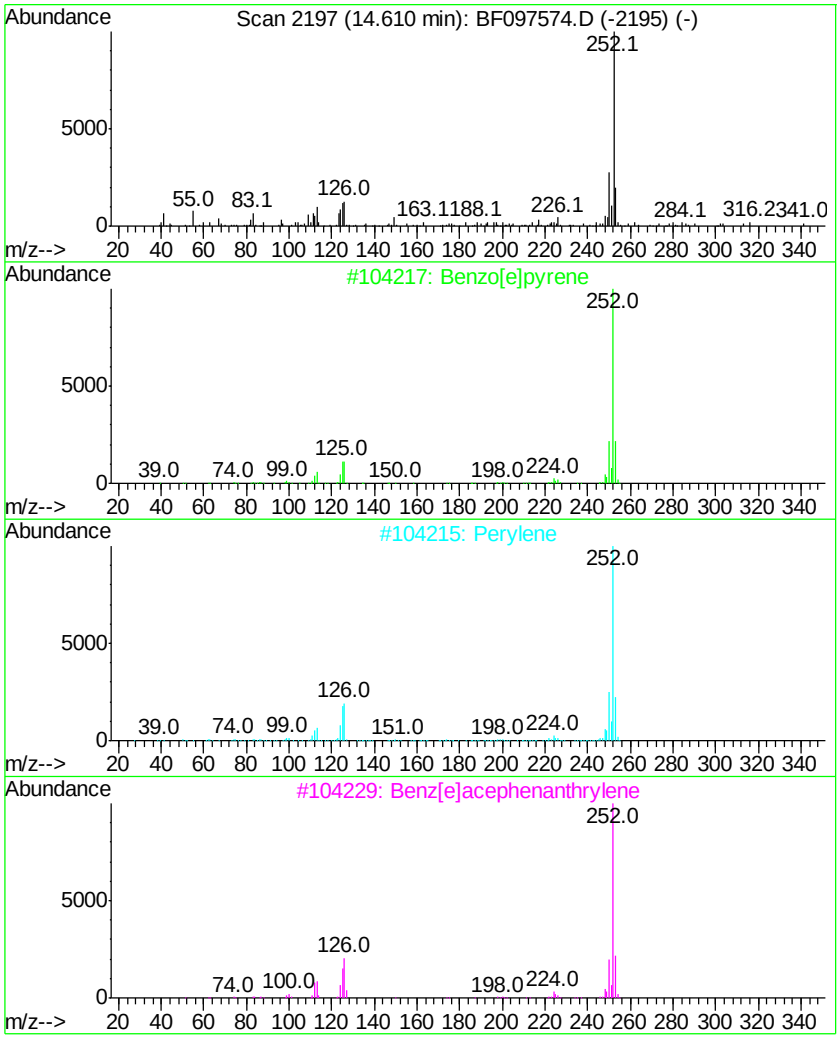
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

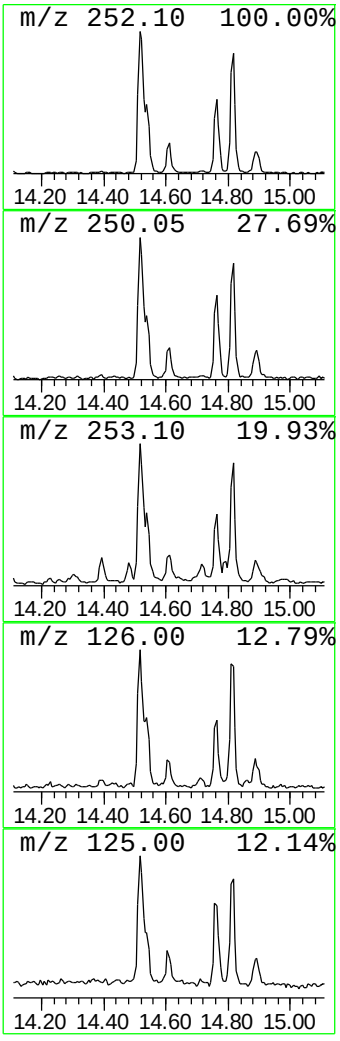
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	3.14 ng	83472	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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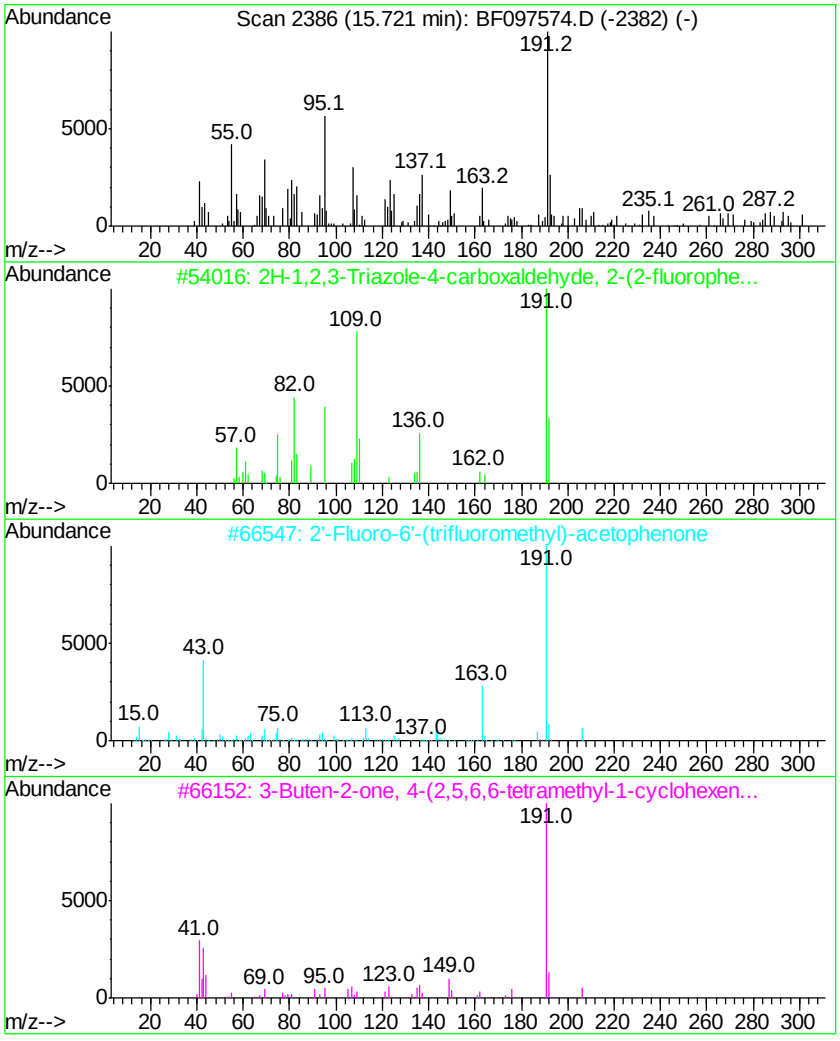
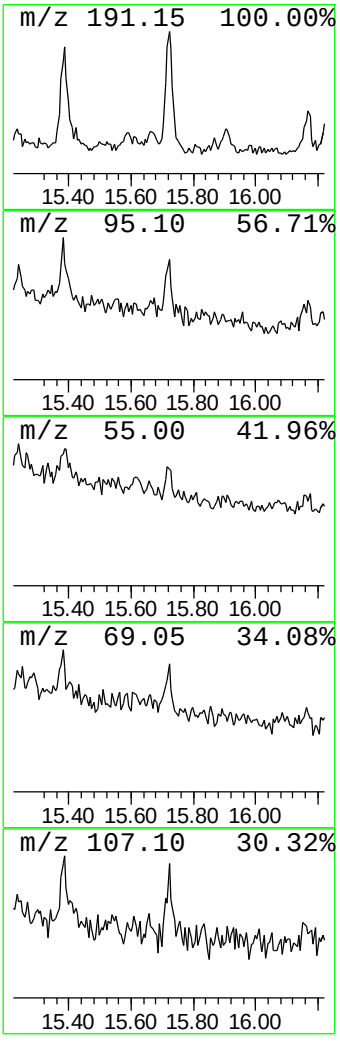
Peak Number 11 unknown15.72 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.81 ng	74833	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	35
2	2'-Fluoro-6'-(trifluoromethyl)-a...	206	C9H6F4O	174013-29-7	35
3	3-Buten-2-one, 4-(2,5,6,6-tetram...	206	C14H22O	000079-70-9	35
4	2-Fluoro-4-(trifluoromethyl)acet...	206	C9H6F4O	122023-29-4	35
5	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081017\
Data File : BF097574.D
Acq On : 10 Aug 2017 22:47
Operator : SJ/JU
Sample : I4697-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-2B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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...	4.52	6.9	ng	258032	1	6.39	747632	20.0
unknown6.17	6.17	67.5	ng	2523870	1	6.39	747632	20.0
Dibenzothiophene	10.79	2.2	ng	89258	4	10.89	801679	20.0
4H-Cyclopenta[def...	11.50	3.8	ng	153538	4	10.89	801679	20.0
11H-Benzo[a]fluorene	12.66	2.8	ng	125525	5	13.52	901070	20.0
11H-Benzo[b]fluorene	12.72	2.0	ng	91609	5	13.52	901070	20.0
11H-Benzo[a]fluor...	13.39	2.2	ng	99436	5	13.52	901070	20.0
Benzo[e]pyrene	14.61	3.1	ng	83472	6	14.86	531897	20.0
unknown15.72	15.72	2.8	ng	74833	6	14.86	531897	20.0