LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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	4.528	479	483	504	rBV	121361	266311	10.21%	1.075%
2	4.987	558	561	590	rBV	1676466	2607755	100.00%	10.524%
3	6.069	742	745	758	rBV	1971946	2386335	91.51%	9.630%
4	6.169	758	762	773	rVB	2135854	2340426	89.75%	9.445%
5	6.392	797	800	812	rVB	687151	684116	26.23%	2.761%
6	6.545	822	826	841	rBV	1481392	1415841	54.29%	5.714%
7	6.969	894	898	921	rBV	1319419	1566064	60.05%	6.320%
8	7.675	1015	1018	1026	rBV	926028	835786	32.05%	3.373%
9	8.751	1197	1201	1214	rBV	2135768	1873058	71.83%	7.559%
10	9.157	1267	1270	1279	rBV	447849	389313	14.93%	1.571%
11	9.416	1310	1314	1318	rVV2	1002510	883851	33.89%	3.567%
12	9.451	1318	1320	1328	rVB2	36936	39853	1.53%	0.161%
13	9.874	1388	1392	1396	rVB	48714	44551	1.71%	0.180%
14	9.969	1405	1408	1415	rVB	43901	43004	1.65%	0.174%
15	10.204	1445	1448	1455	rBV	950046	1043463	40.01%	4.211%
16	10.339	1469	1471	1477	rBV	58554	65802	2.52%	0.266%
17	10.786	1544	1547	1551	rBV2	46155	53160	2.04%	0.215%
18	10.892	1561	1565	1567	rBV	786280	661172	25.35%	2.668%
19	10.916	1567	1569	1574	rVV	521997	435332	16.69%	1.757%
20	10.974	1575	1579	1586	rVB	120745	127486	4.89%	0.514%
21	11.151	1605	1609	1613	rBV2	30682	37923	1.45%	0.153%
22	11.398	1648	1651	1653	rBV	46889	40027	1.53%	0.162%
23	11.427	1653	1656	1658	rVV	61157	52570	2.02%	0.212%
24	11.451	1658	1660	1663	rVV2	71566	71649	2.75%	0.289%
25	11.504	1666	1669	1672	rVV	95054	95916	3.68%	0.387%
26	11.527	1672	1673	1682	rVB	38052	38538	1.48%	0.156%
27	11.692	1698	1701	1704	rVB	40639	37771	1.45%	0.152%
28	11.739	1706	1709	1716	rBV2	27622	35861	1.38%	0.145%
29	12.039	1756	1760	1767	rVB3	19353	29497	1.13%	0.119%
30	12.098	1767	1770	1775	rBV	686279	620343	23.79%	2.503%
31	12.251	1790	1796	1803	rBV4	23390	36935	1.42%	0.149%
32	12.321	1803	1808	1815	rVV	590294	616756	23.65%	2.489%
33	12.392	1815	1820	1823	rVB2	31689	49312	1.89%	0.199%
34	12.474	1828	1834	1837	rBV	1013198	981223	37.63%	3.960%

LSC Area Percent Report

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Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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	12.551	1842	1847	1852	rBV2	31102	51166	1.96%	0.206%
36	12.633	1858	1861	1863	rBV2	31770	35627	1.37%	0.144%
37	12.657	1863	1865	1870	rVB	68799	71369	2.74%	0.288%
38	12.721	1870	1876	1879	rBV	64172	68013	2.61%	0.274%
39	12.762	1879	1883	1890	rVV2	50685	79361	3.04%	0.320%
40	12.886	1901	1904	1914	rVB2	23182	42068	1.61%	0.170%
41	13.062	1926	1934	1936	rBV7	15651	40228	1.54%	0.162%
42	13.180	1951	1954	1959	rVB	44103	45834	1.76%	0.185%
43	13.274	1966	1970	1971	rBV	45396	46197	1.77%	0.186%
44	13.292	1971	1973	1976	rVV	58484	58669	2.25%	0.237%
45	13.321	1976	1978	1981	rVV	37219	40168	1.54%	0.162%
46	13.386	1986	1989	1994	rVV	122339	139751	5.36%	0.564%
47	13.515	2005	2011	2014	rBV2	705161	919147	35.25%	3.709%
48	13.545	2014	2016	2021	rVV	296938	304368	11.67%	1.228%
49	13.621	2025	2029	2035	rVB	60347	67000	2.57%	0.270%
50	13.692	2035	2041	2046	rBV5	28501	59036	2.26%	0.238%
51	13.739	2046	2049	2052	rVV2	34911	44192	1.69%	0.178%
52	13.768	2052	2054	2059	rVB3	25022	30284	1.16%	0.122%
53	13.909	2074	2078	2082	rBV	53463	73603	2.82%	0.297%
54	13.980	2087	2090	2093	rBV3	23453	35607	1.37%	0.144%
55	14.057	2101	2103	2106	rVB3	30893	26367	1.01%	0.106%
56	14.104	2109	2111	2118	rVB5	21917	30649	1.18%	0.124%
57	14.362	2152	2155	2158	rBV	137157	138959	5.33%	0.561%
58	14.392	2158	2160	2163	rVB	25319	30217	1.16%	0.122%
59	14.515	2177	2181	2183	rBV	329754	357741	13.72%	1.444%
60	14.609	2194	2197	2201	rVB	49652	49983	1.92%	0.202%
61	14.756	2219	2222	2226	rBV	160759	181358	6.95%	0.732%
62	14.809	2228	2231	2236	rBV	243099	250638	9.61%	1.011%
63	14.856	2236	2239	2243	rBV	476761	536299	20.57%	2.164%
64	15.227	2299	2302	2305	rBV3	31791	43026	1.65%	0.174%
65	15.615	2364	2368	2373	rVB6	25153	44937	1.72%	0.181%
66	16.056	2438	2443	2450	rVB2	96930	193575	7.42%	0.781%
67	16.403	2497	2502	2508	rBV	70378	137750	5.28%	0.556%

Sum of corrected areas: 24780187

LSC Report - Integrated Chromatogram

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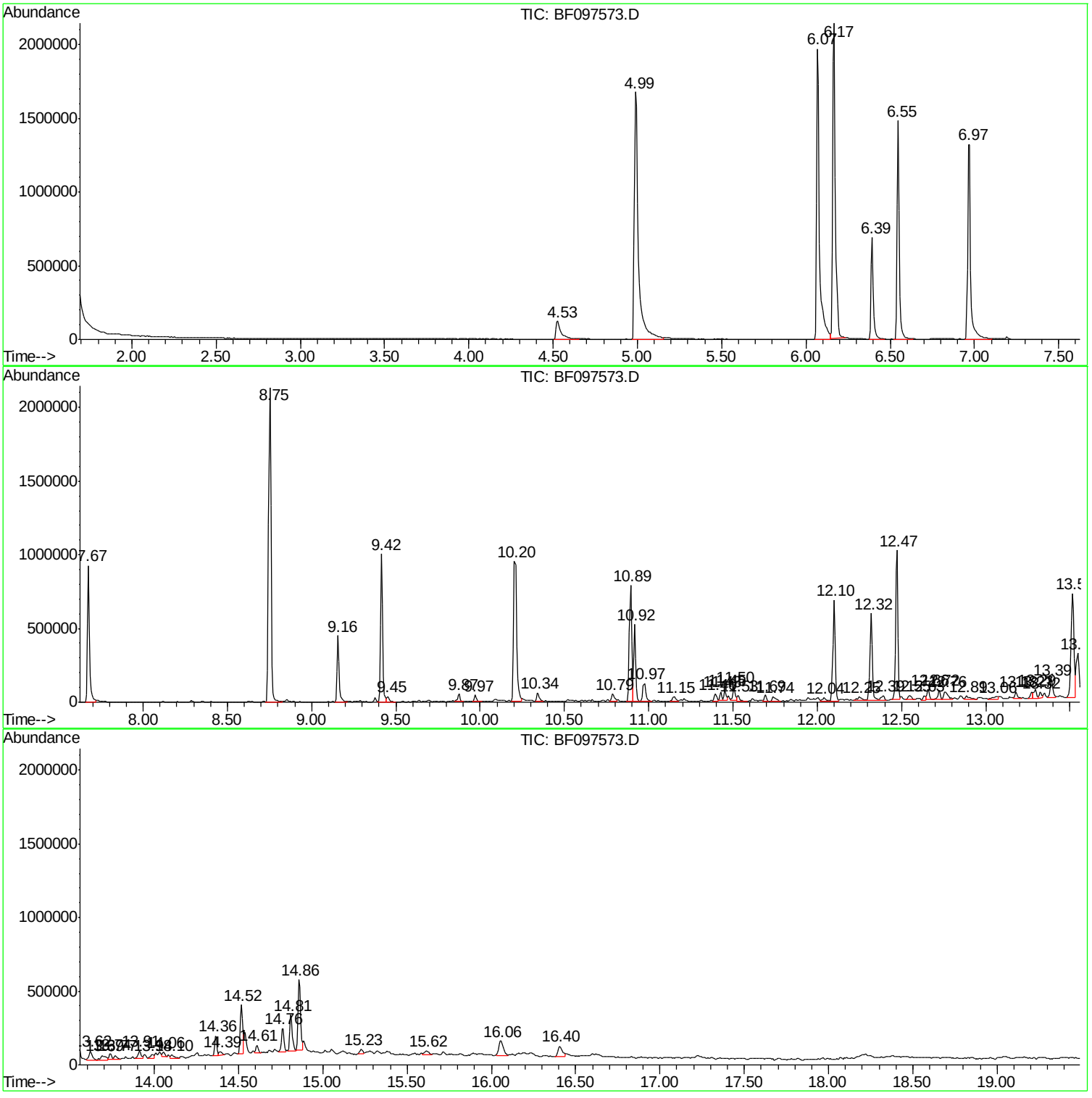
Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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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Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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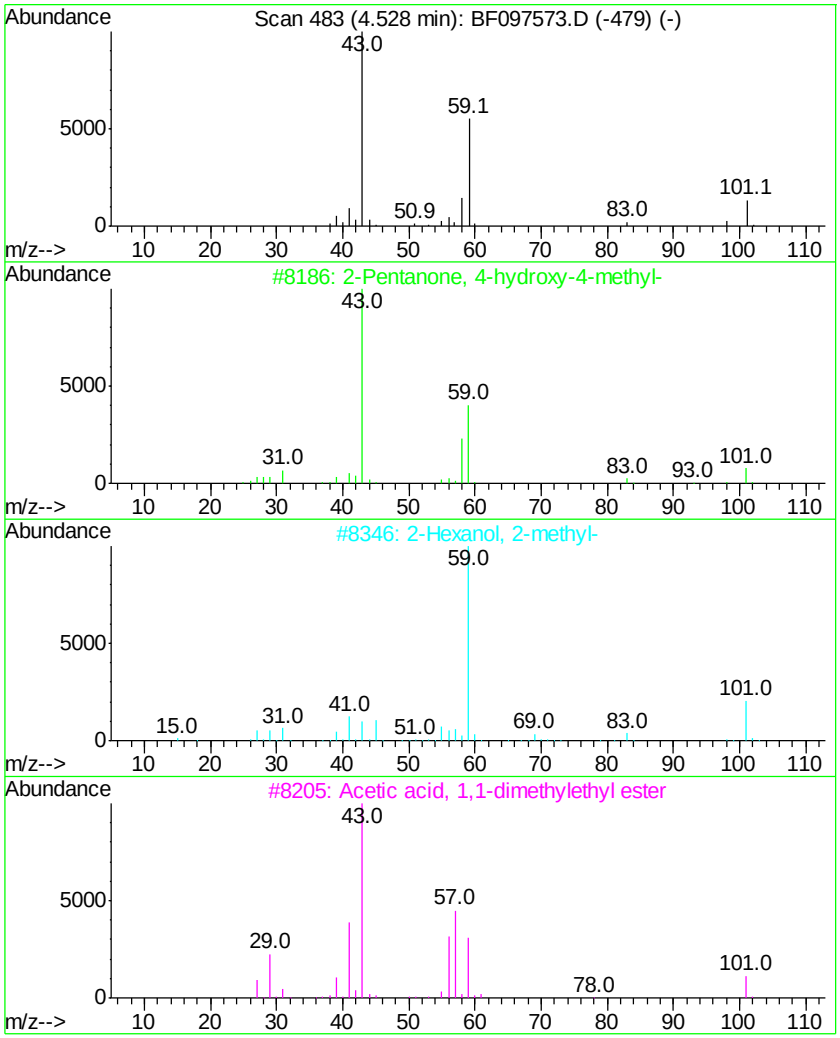
TIC Integration Parameters: LSCINT.P

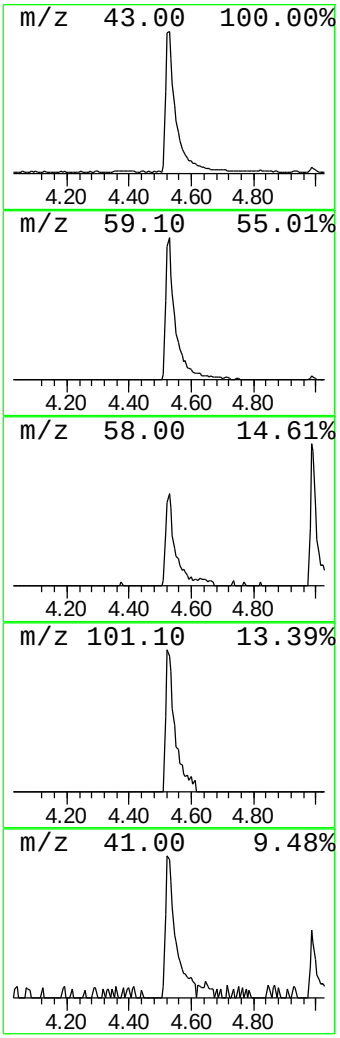
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	7.79 ng	266311	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	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

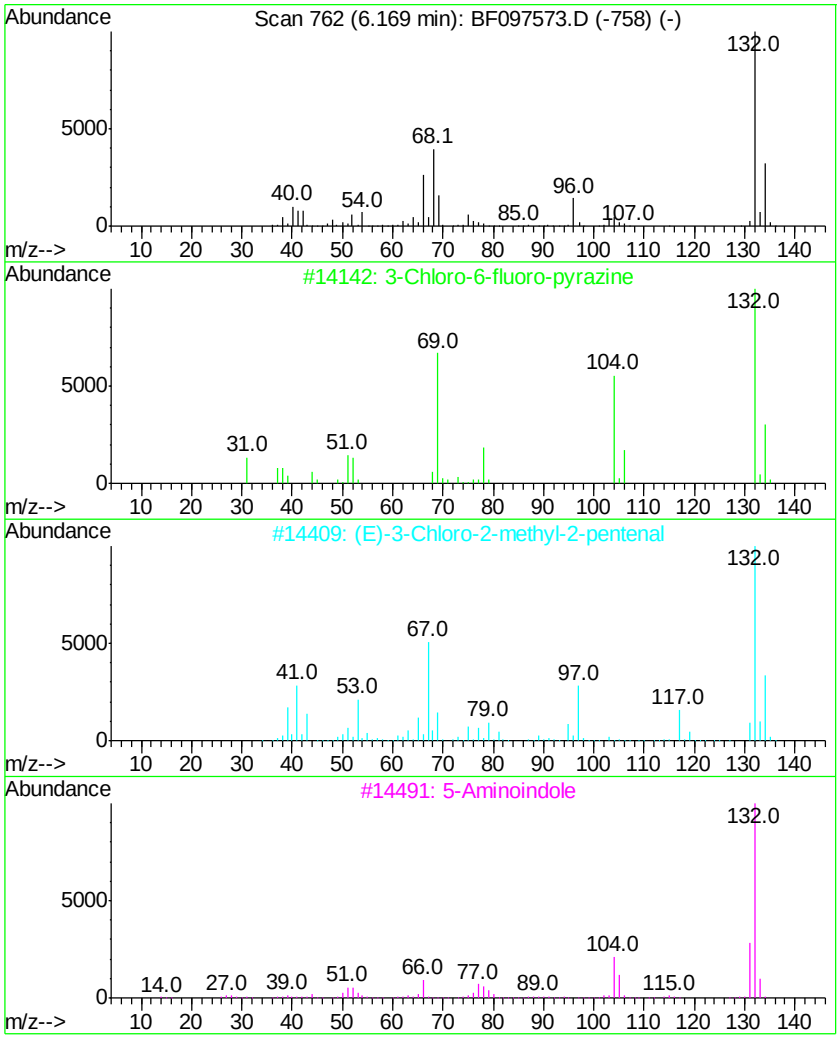
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

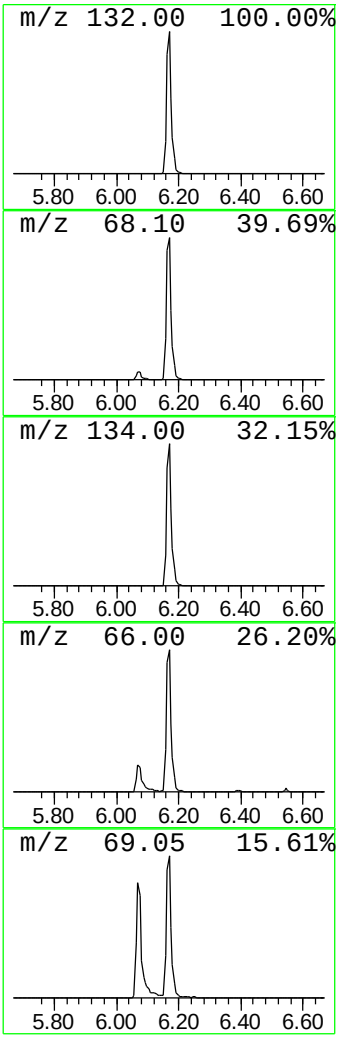
****

Peak Number 2 unknown6.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	68.42 ng	2340430	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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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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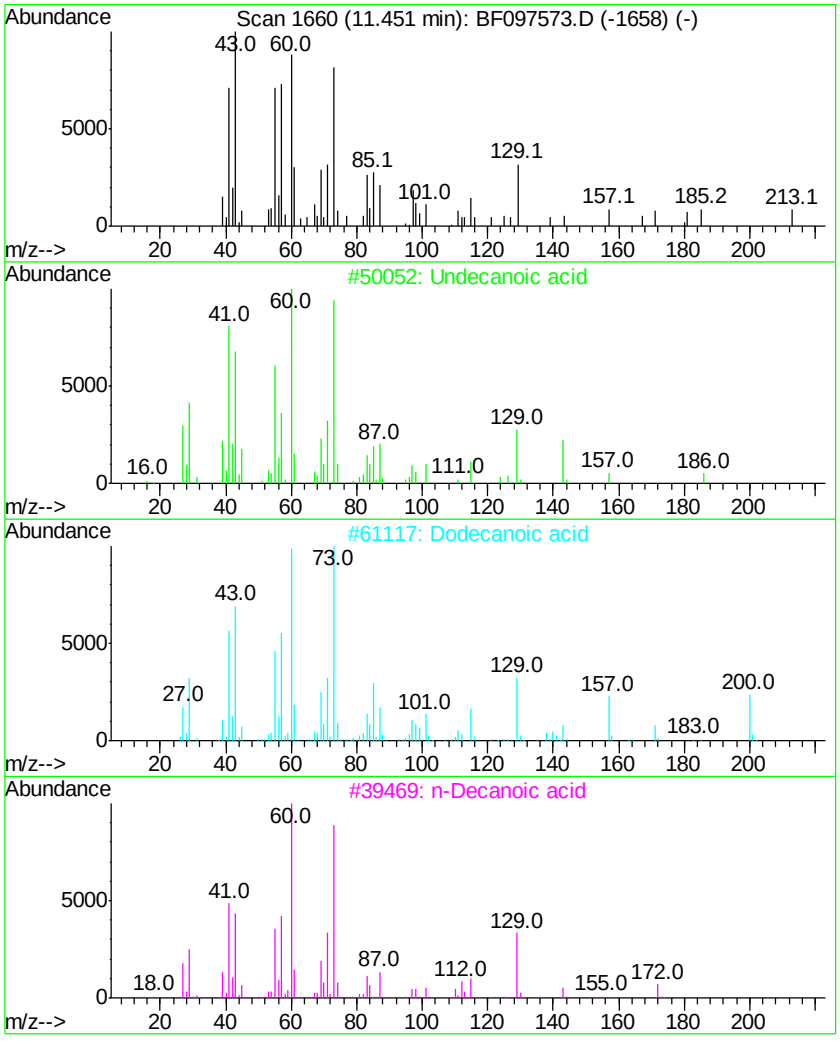
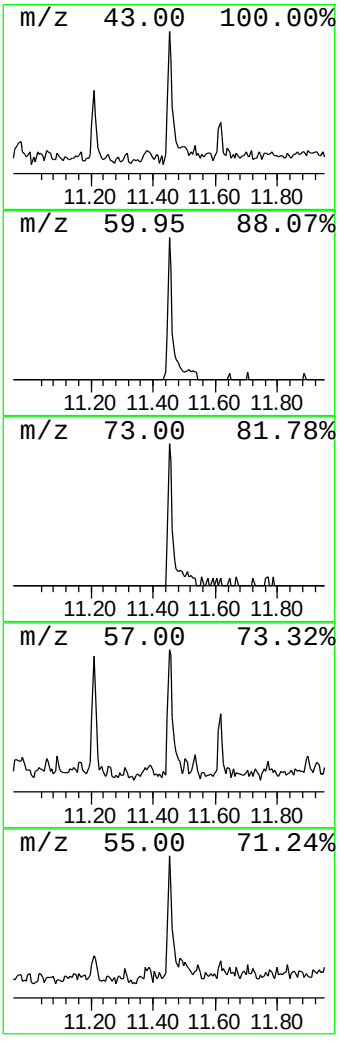
Peak Number 4 Undecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	2.17 ng	71649	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	72
2	Dodecanoic acid	200	C12H24O2	000143-07-7	64
3	n-Decanoic acid	172	C10H20O2	000334-48-5	59
4	Lactose	342	C12H22O11	000063-42-3	53
5	Trehalose	342	C12H22O11	000099-20-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097573.D
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Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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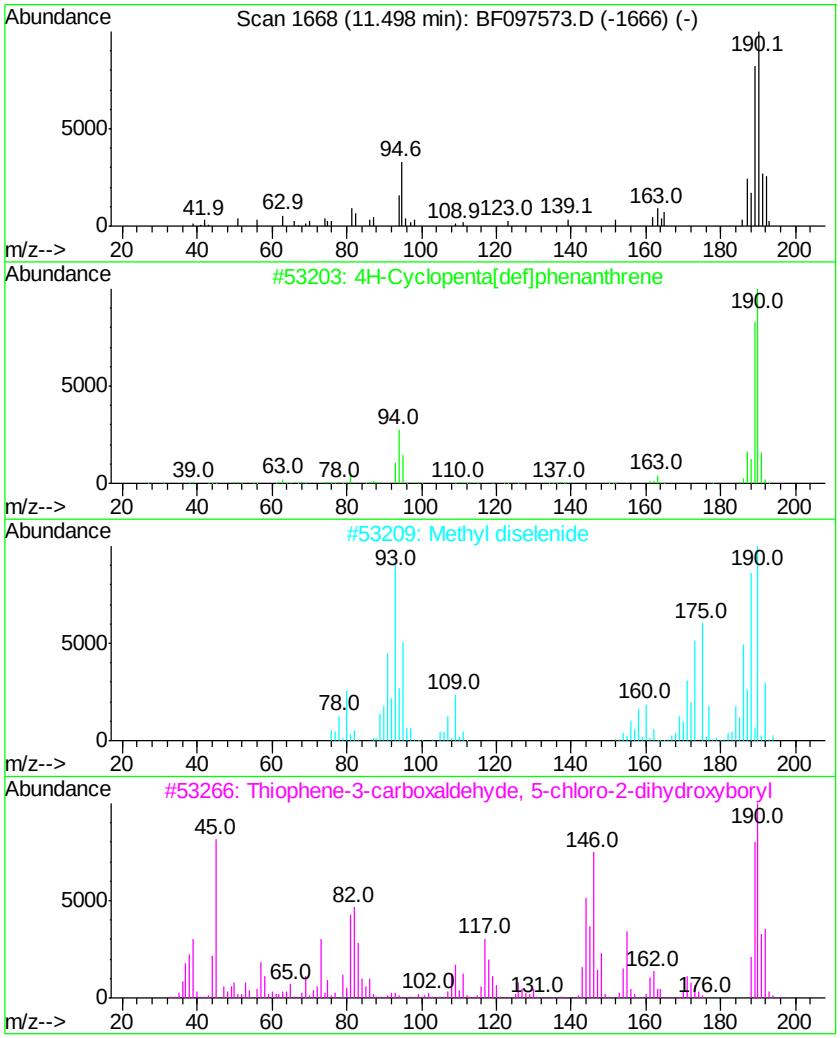
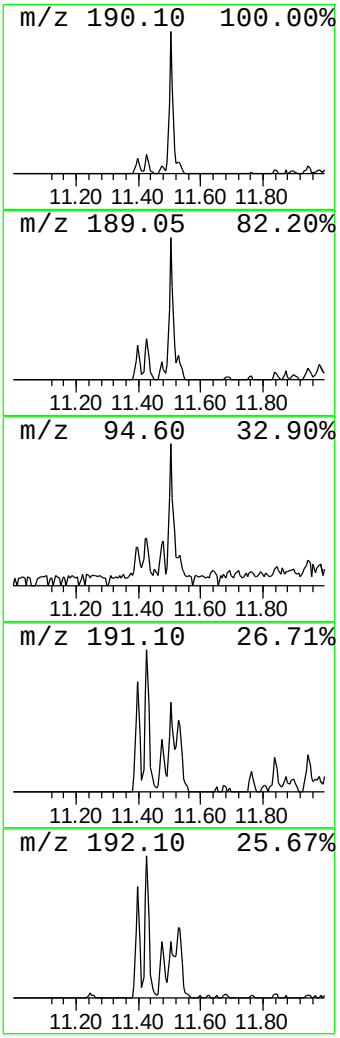
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	2.90 ng	95916	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

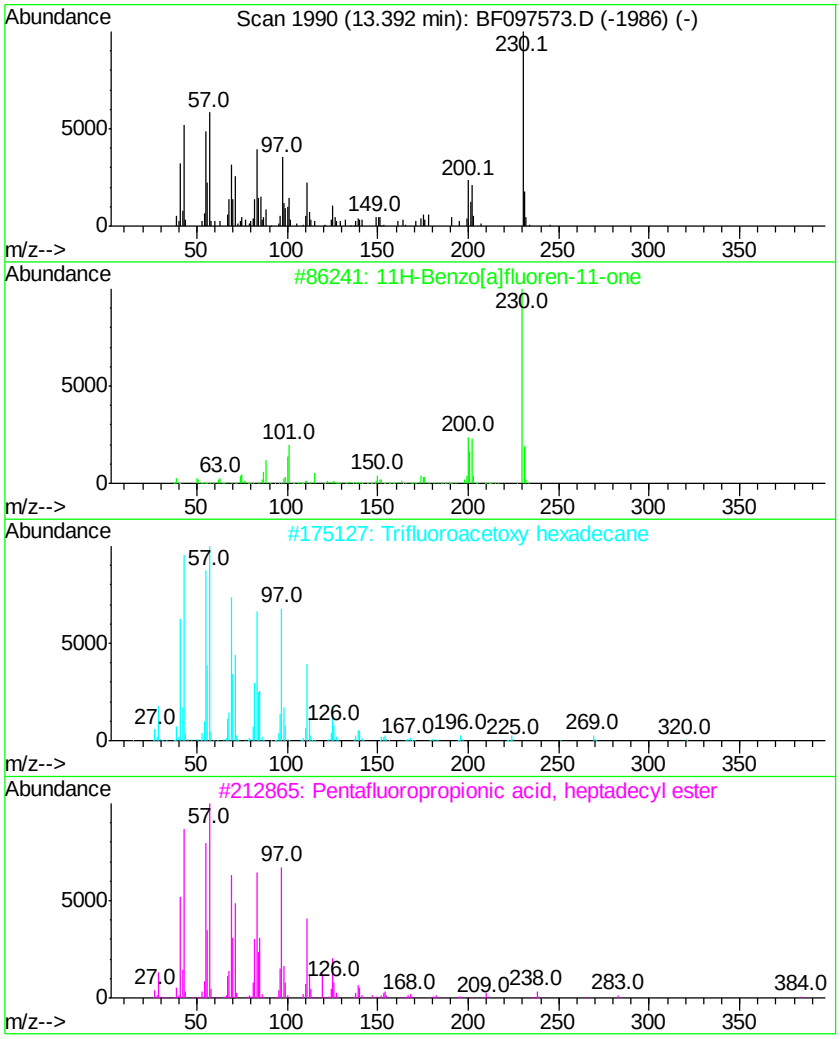
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

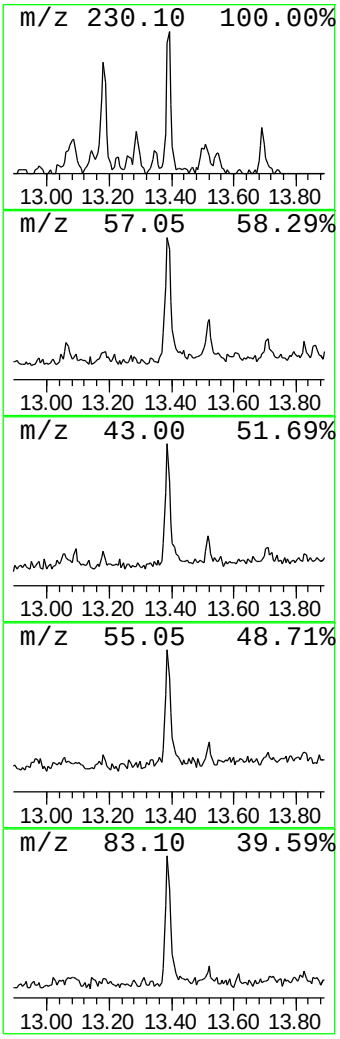
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.04 ng	139751	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	96
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	81
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	80
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	66
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	42





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Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

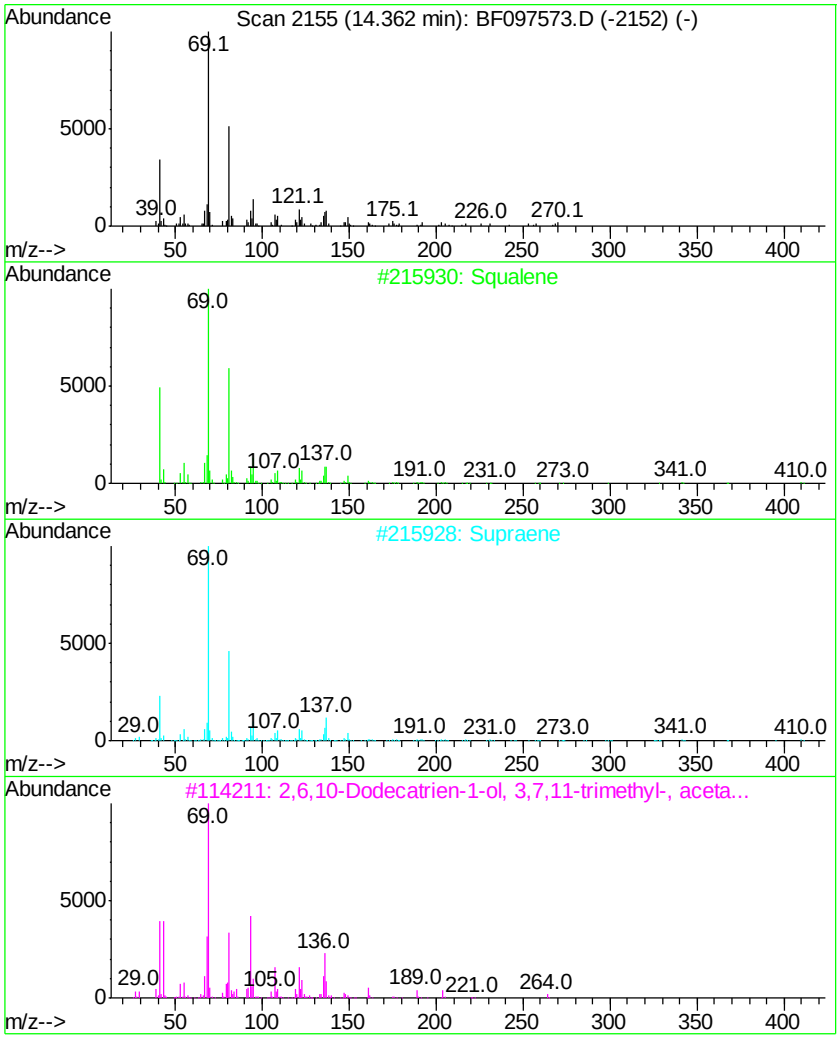
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

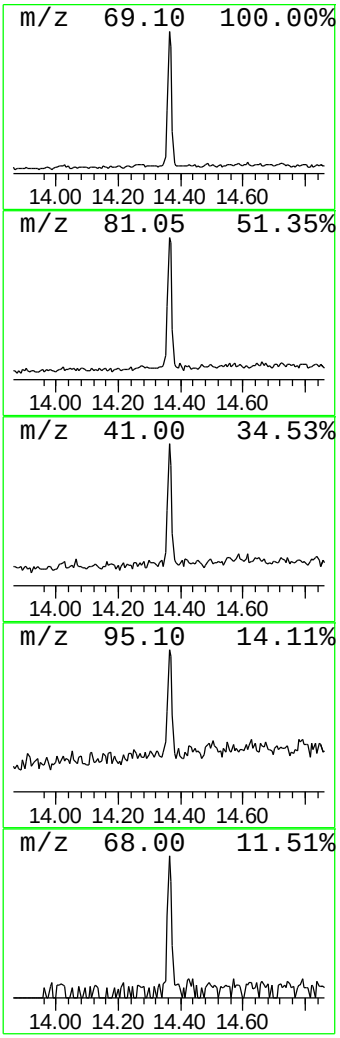
****

Peak Number 7 Squalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	5.18 ng	138959	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Supraene	410	C30H50	007683-64-9	87
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	72
4	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	64
5	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

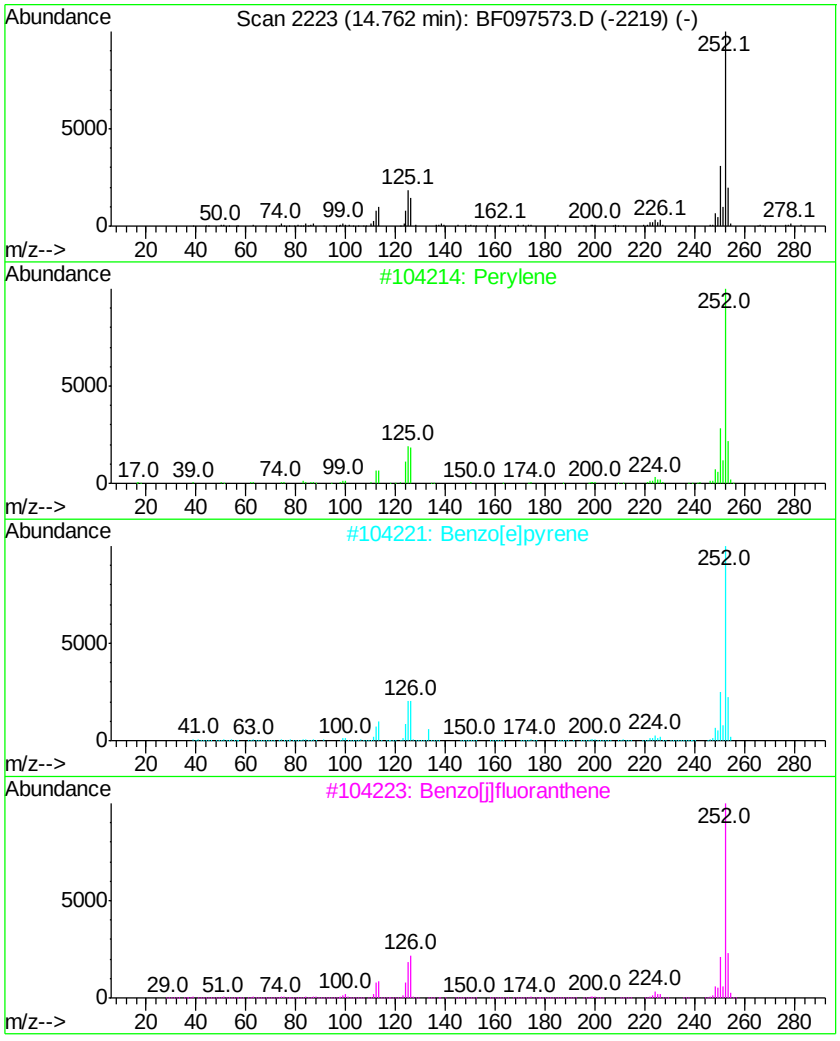
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

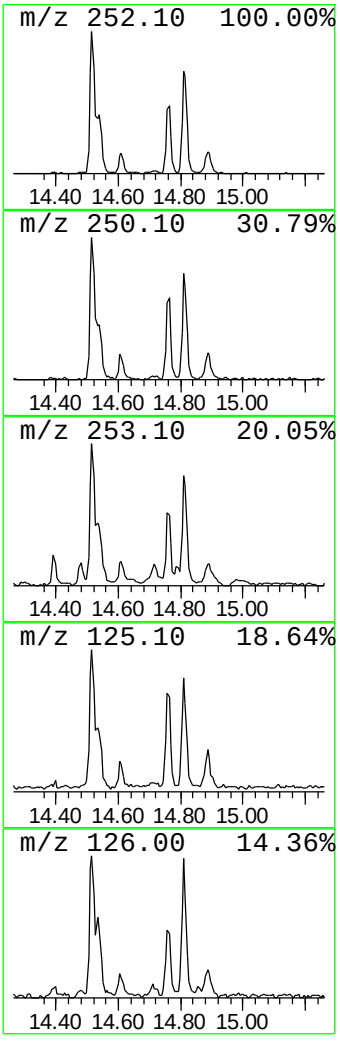
****

Peak Number 8 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	6.76 ng	181358	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081017\
Data File : BF097573.D
Acq On : 10 Aug 2017 22:19
Operator : SJ/JU
Sample : I4697-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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...	4.53	7.8	ng	266311	1	6.39	684116	20.0
unknown6.17	6.17	68.4	ng	2340430	1	6.39	684116	20.0
Undecanoic acid	11.45	2.2	ng	71649	4	10.89	661172	20.0
4H-Cyclopenta[def...	11.50	2.9	ng	95916	4	10.89	661172	20.0
11H-Benzo[a]fluor...	13.39	3.0	ng	139751	5	13.52	919147	20.0
Squalene	14.36	5.2	ng	138959	6	14.86	536299	20.0
Perylene	14.76	6.8	ng	181358	6	14.86	536299	20.0