LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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	4.534	464	467	482	rBV	74115	106114	13.30%	1.279%
2	5.028	548	551	568	rBV	258471	433281	54.31%	5.224%
3	6.104	731	734	748	rBV	302436	478836	60.02%	5.773%
4	6.204	748	751	759	rVB	457889	502348	62.97%	6.057%
5	6.422	785	788	802	rVB	584358	575140	72.09%	6.934%
6	6.581	811	815	827	rBV	330158	291035	36.48%	3.509%
7	6.998	883	886	899	rBV	199344	235733	29.55%	2.842%
8	7.710	1003	1007	1015	rBV	718556	655389	82.15%	7.902%
9	8.786	1186	1190	1194	rBV	453362	378536	47.45%	4.564%
10	9.186	1255	1258	1263	rBV	44749	40892	5.13%	0.493%
11	9.316	1272	1280	1285	rBV	27256	31084	3.90%	0.375%
12	9.410	1292	1296	1299	rBV2	6258	9216	1.16%	0.111%
13	9.451	1299	1303	1307	rVV	733224	624363	78.26%	7.528%
14	9.904	1377	1380	1384	rVB2	14001	13210	1.66%	0.159%
15	10.116	1411	1416	1420	rBV4	9292	21175	2.65%	0.255%
16	10.239	1434	1437	1443	rBV	197708	177146	22.20%	2.136%
17	10.375	1456	1460	1466	rBV4	15158	19930	2.50%	0.240%
18	10.604	1496	1499	1501	rBV3	7514	10787	1.35%	0.130%
19	10.686	1511	1513	1516	rVB4	8187	8633	1.08%	0.104%
20	10.822	1531	1536	1538	rBV5	10560	12473	1.56%	0.150%
21	10.922	1550	1553	1557	rBV	549803	488889	61.28%	5.895%
22	11.004	1564	1567	1570	rVB	17351	16862	2.11%	0.203%
23	11.033	1570	1572	1573	rBV2	10130	8518	1.07%	0.103%
24	11.104	1581	1584	1588	rVB6	8482	14289	1.79%	0.172%
25	11.186	1592	1598	1599	rBV4	6878	13268	1.66%	0.160%
26	11.345	1622	1625	1627	rBV3	13845	15068	1.89%	0.182%
27	11.427	1635	1639	1641	rBV2	25623	27892	3.50%	0.336%
28	11.451	1641	1643	1646	rVV	24120	25064	3.14%	0.302%
29	11.480	1646	1648	1650	rVV3	18592	18475	2.32%	0.223%
30	11.504	1650	1652	1654	rVV	17334	14391	1.80%	0.174%
31	11.533	1654	1657	1660	rVV	40724	43957	5.51%	0.530%
32	11.563	1660	1662	1666	rVB2	15314	18600	2.33%	0.224%
33	11.686	1681	1683	1686	rBV2	11238	11923	1.49%	0.144%
34	11.722	1686	1689	1692	rVV4	18155	15250	1.91%	0.184%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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	11.945	1726	1727	1729	rBV2	8533	8093	1.01%	0.098%
36	11.969	1729	1731	1734	rBV	47287	49059	6.15%	0.592%
37	12.063	1744	1747	1751	rBV5	20775	26595	3.33%	0.321%
38	12.127	1755	1758	1764	rBV	183261	169200	21.21%	2.040%
39	12.198	1768	1770	1772	rBV2	13123	12153	1.52%	0.147%
40	12.257	1778	1780	1781	rBV2	16265	13316	1.67%	0.161%
41	12.351	1791	1796	1799	rBV	264104	259980	32.59%	3.135%
42	12.504	1818	1822	1826	rVB	306978	300471	37.66%	3.623%
43	12.574	1831	1834	1836	rBV2	26781	26925	3.38%	0.325%
44	12.686	1846	1853	1856	rBV	73956	121767	15.26%	1.468%
45	12.751	1861	1864	1867	rVV2	37080	47998	6.02%	0.579%
46	12.786	1867	1870	1876	rVB	46619	67096	8.41%	0.809%
47	12.874	1883	1885	1888	rVB	60594	45320	5.68%	0.546%
48	12.910	1888	1891	1893	rBV2	33135	37346	4.68%	0.450%
49	13.051	1911	1915	1918	rBV5	49006	93482	11.72%	1.127%
50	13.251	1947	1949	1952	rVB4	31707	23705	2.97%	0.286%
51	13.298	1953	1957	1959	rBV3	36778	57683	7.23%	0.695%
52	13.374	1968	1970	1973	rBV4	31511	33336	4.18%	0.402%
53	13.545	1993	1999	2002	rBV2	651209	797777	100.00%	9.619%
54	13.569	2002	2003	2007	rVB	146983	124032	15.55%	1.495%
55	14.539	2165	2168	2173	rVB	111173	147020	18.43%	1.773%
56	14.839	2216	2219	2223	rBV	137101	166276	20.84%	2.005%
57	14.886	2224	2227	2230	rVV	295891	307526	38.55%	3.708%

Sum of corrected areas: 8293923

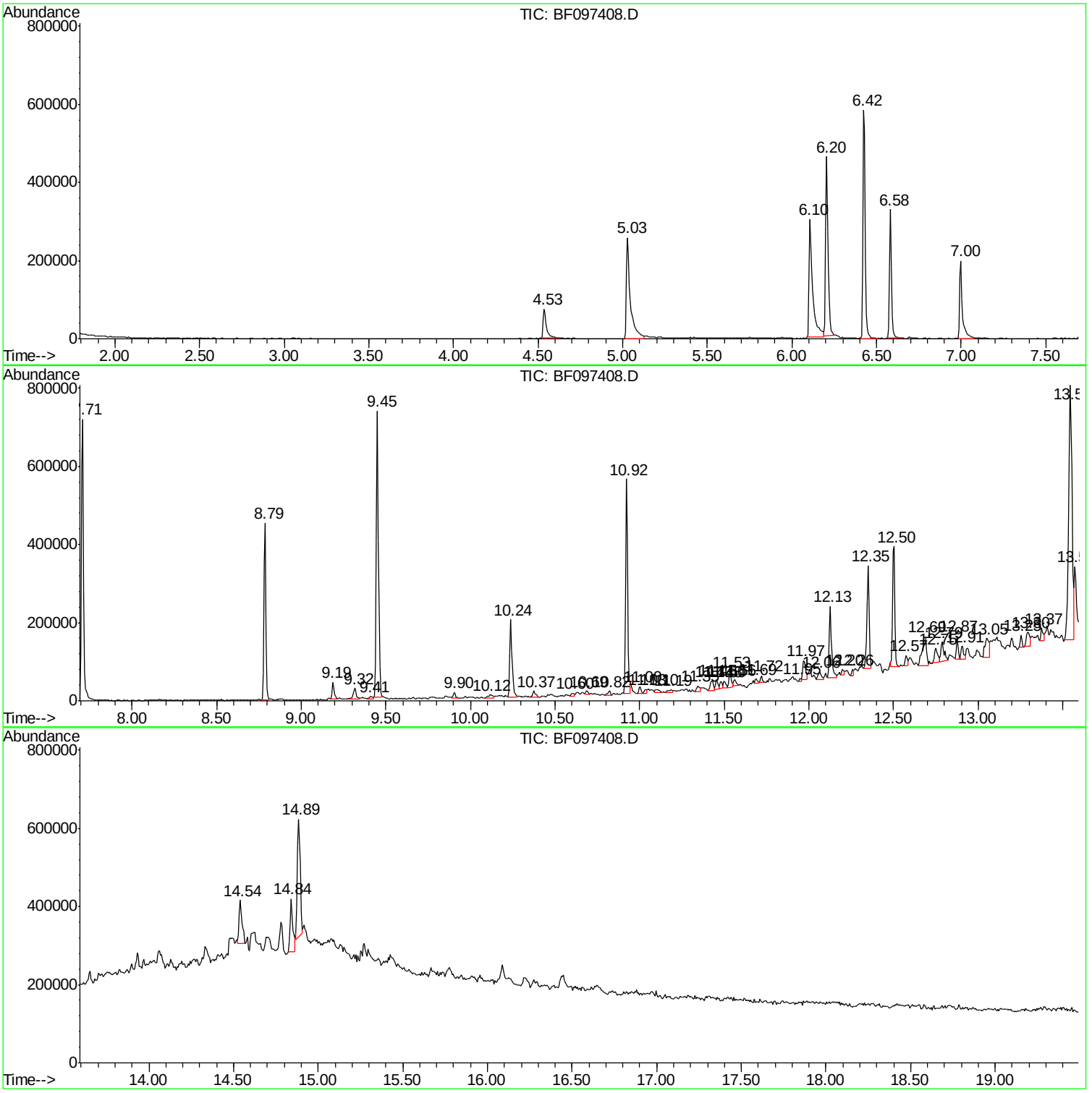
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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

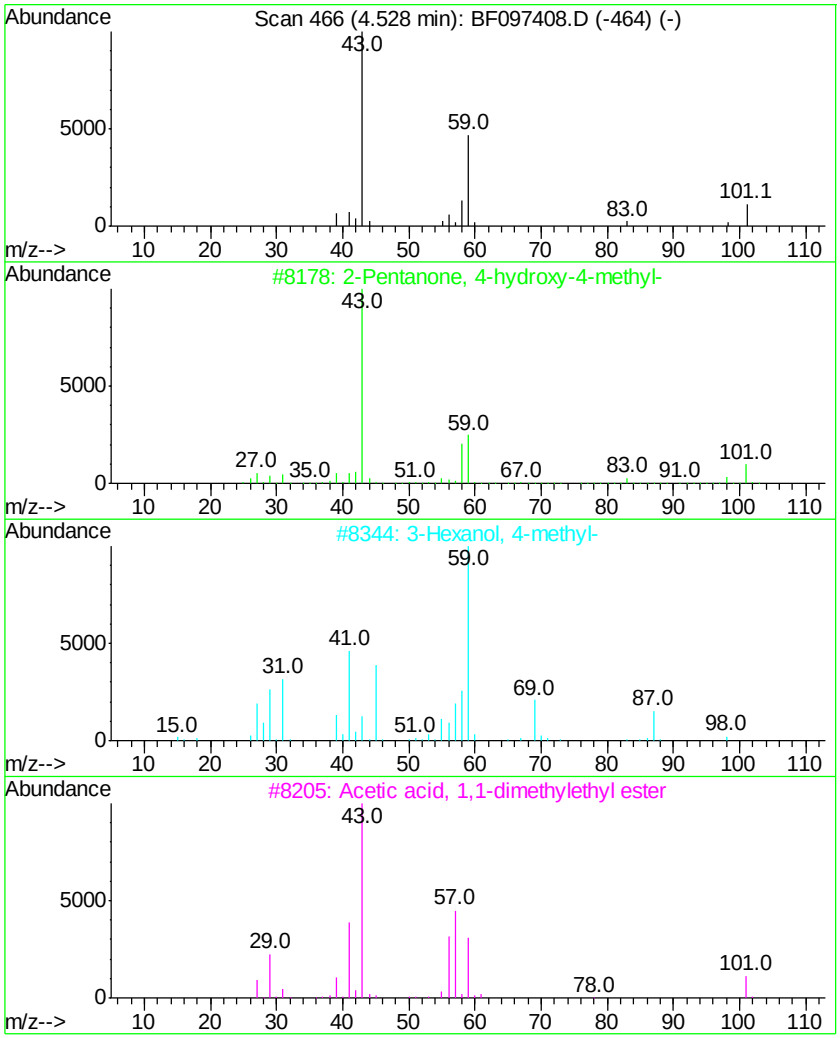
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

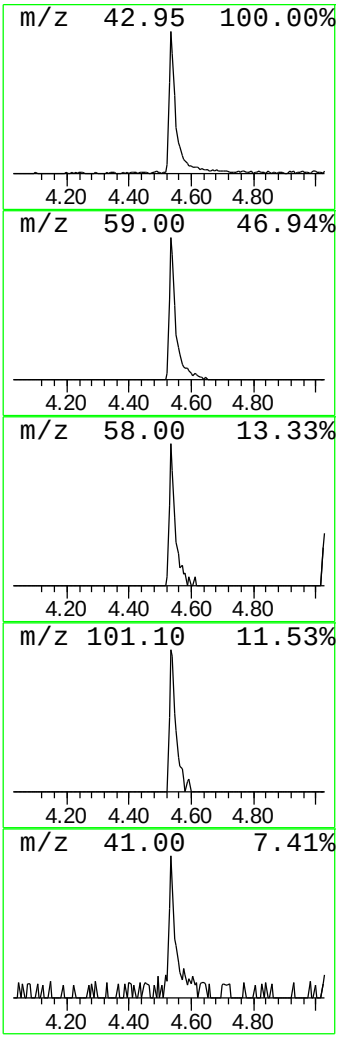
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	3.69 ng	106114	1,4-Dichlorobenzene-d4	6.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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

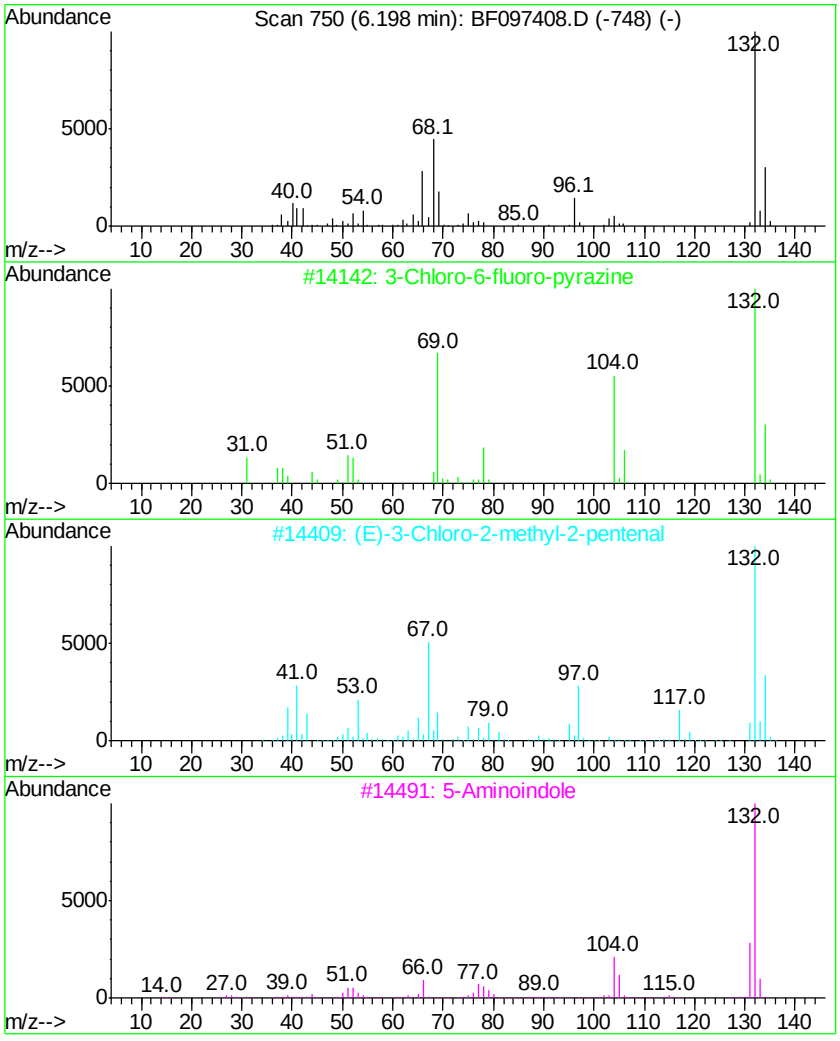
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

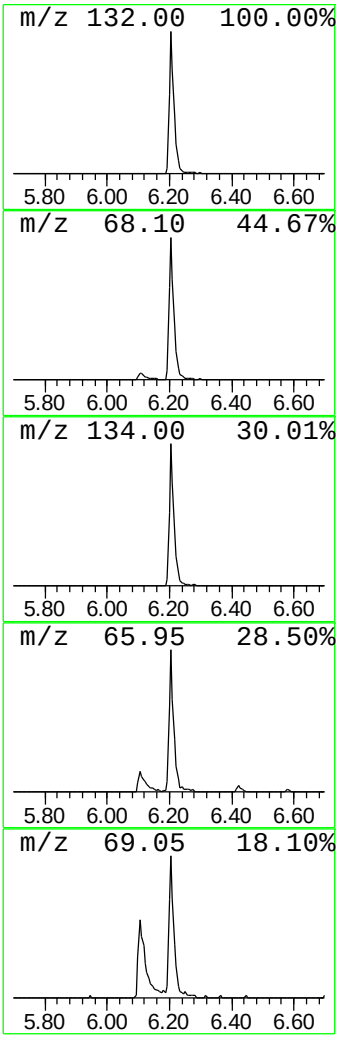
****

Peak Number 2 unknown6.20 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	17.47 ng	502348	1,4-Dichlorobenzene-d4	6.43

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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

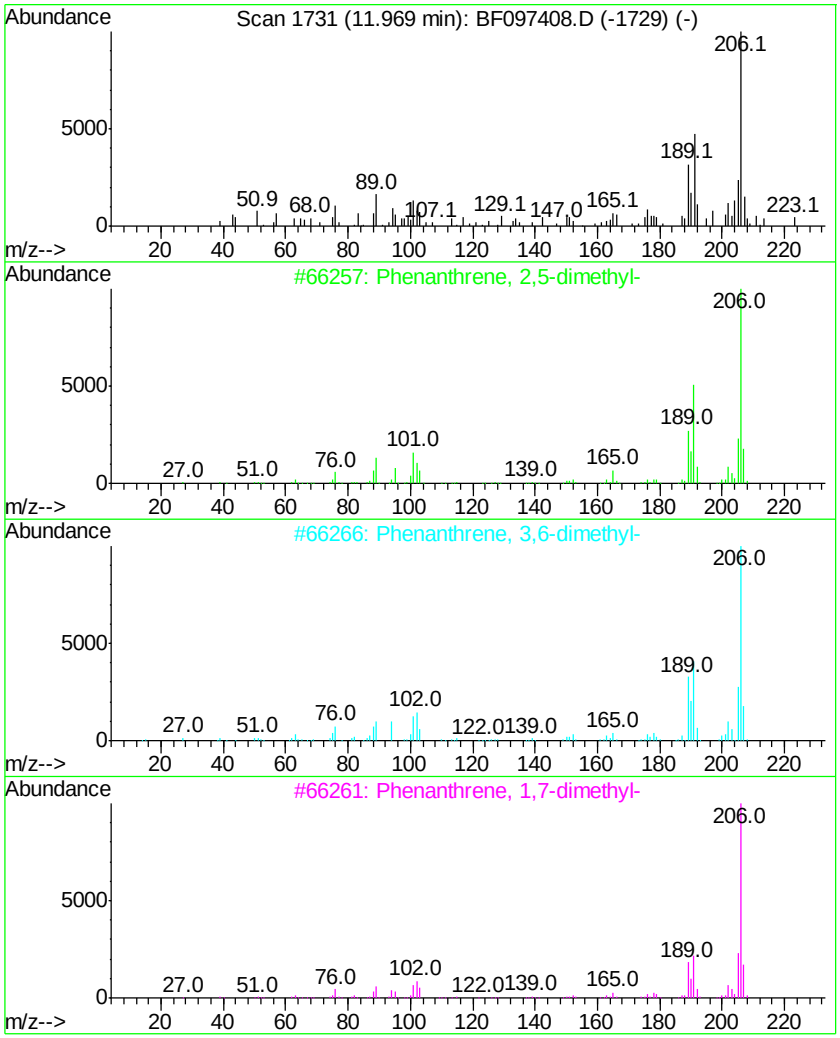
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

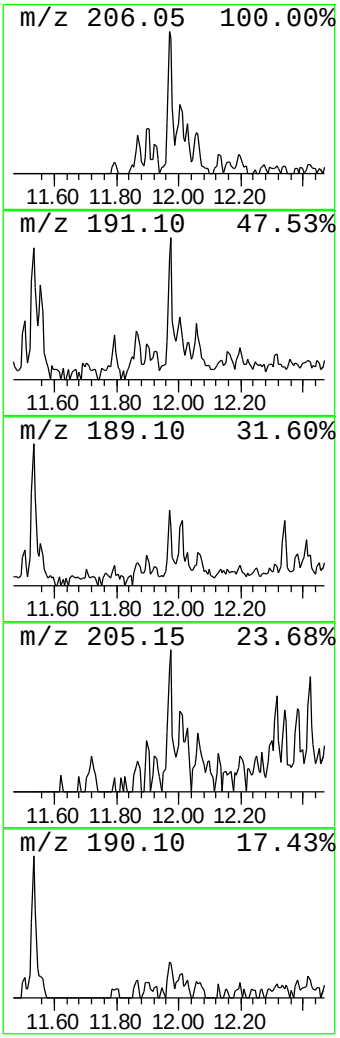
****

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.01 ng	49059	Phenanthrene-d10	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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

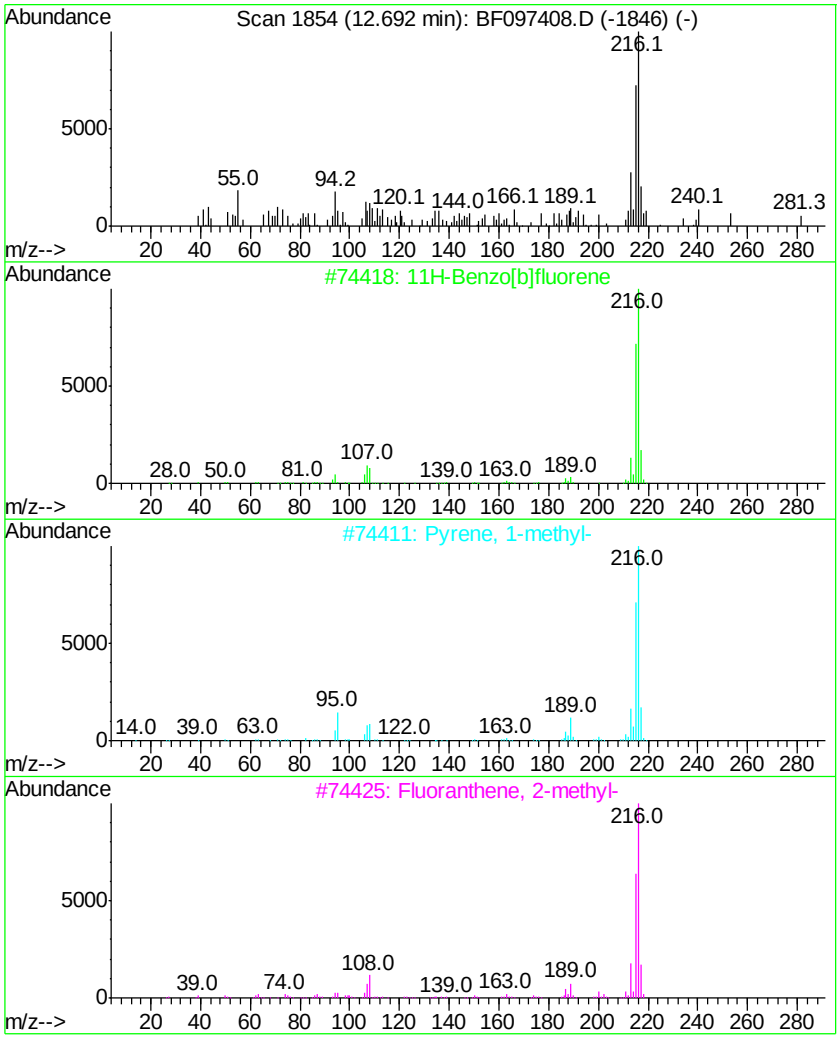
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

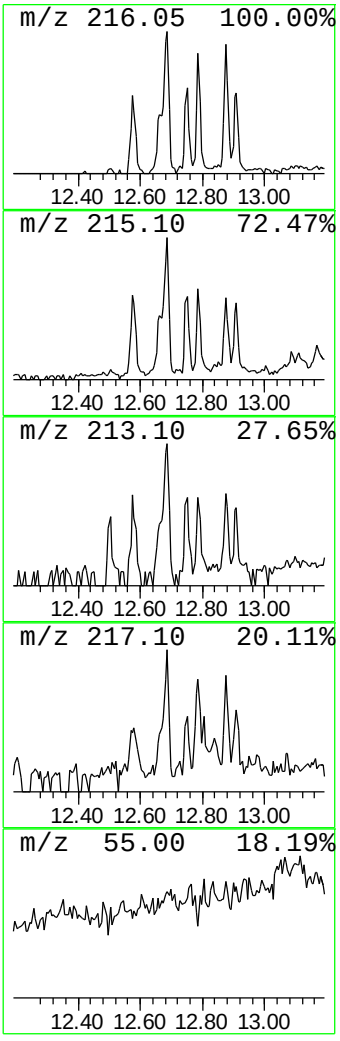
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	3.05 ng	121767	Chrysene-d12	13.55

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	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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

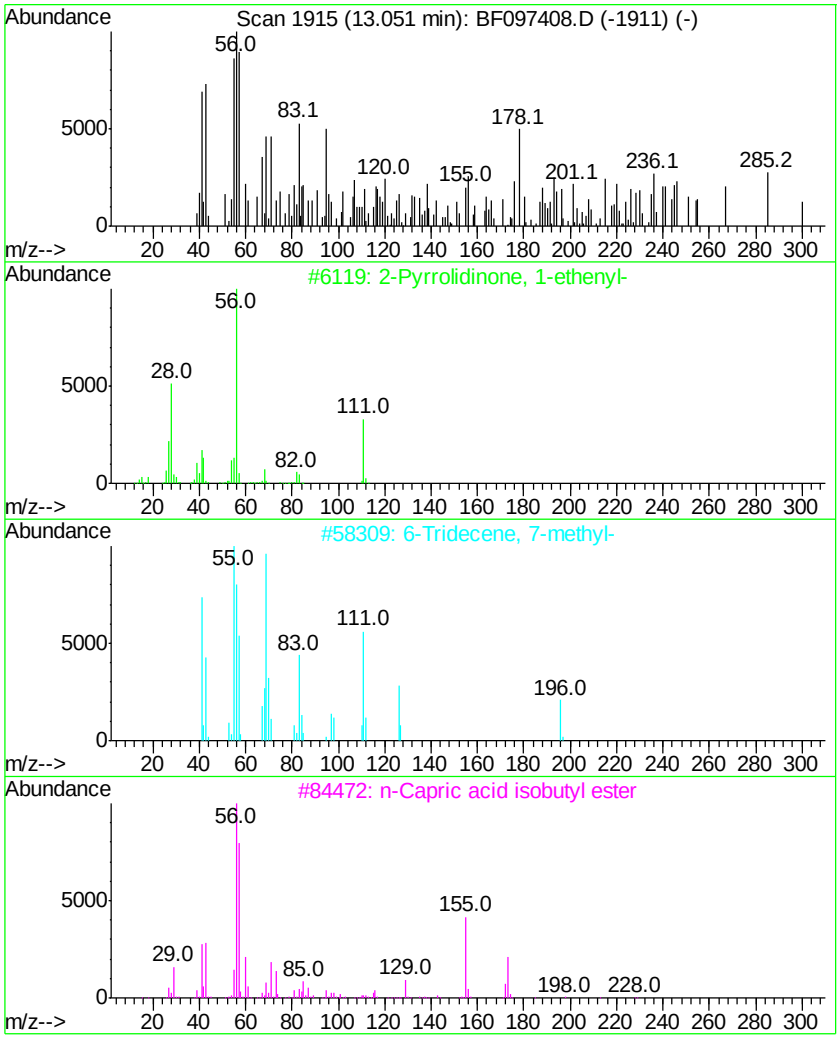
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

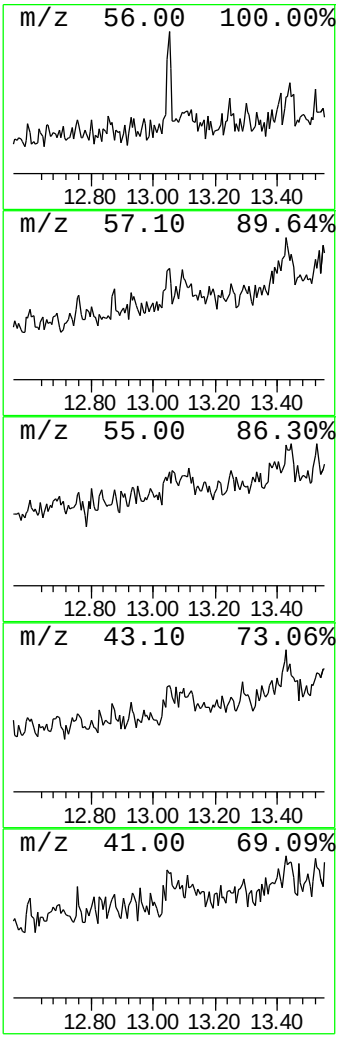
****

Peak Number 6 unknown13.05 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.34 ng	93482	Chrysene-d12	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone, 1-ethenyl-	111	C6H9NO	000088-12-0	11
2	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	10
3	n-Capric acid isobutyl ester	228	C14H28O2	030673-38-2	10
4	4(3H)-Pyrimidinone, 2,3,6-trimet...	138	C7H10N2O	032363-51-2	10
5	2,3-Pentanediol, 2,4-dimethyl-	132	C7H16O2	066225-53-4	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
Sample : I4611-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-080317-C

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	3.7	ng	106114	1	6.43	575140	20.0
unknown6.20	6.20	17.5	ng	502348	1	6.43	575140	20.0
Phenanthrene, 2,5...	11.97	2.0	ng	49059	4	10.92	488889	20.0
11H-Benzo[b]fluorene	12.69	3.0	ng	121767	5	13.55	797777	20.0
unknown13.05	13.05	2.3	ng	93482	5	13.55	797777	20.0