LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

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-BF092317.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	2.128	5	7	34	rVB3	68184	217328	21.57%	1.594%
2	4.469	402	405	410	rBV	24145	27302	2.71%	0.200%
3	5.081	506	509	517	rBV	199466	200388	19.89%	1.469%
4	5.481	570	577	581	rBV	548218	478059	47.46%	3.505%
5	6.486	745	748	753	rBV	488838	447449	44.42%	3.281%
6	6.639	770	774	777	rBV	551640	483260	47.97%	3.543%
7	6.698	781	784	787	rBV2	25344	23849	2.37%	0.175%
8	6.875	810	814	817	rBV	781105	681916	67.69%	5.000%
9	7.028	834	840	843	rBV	502978	397353	39.44%	2.914%
10	7.428	905	908	912	rBV	328429	274340	27.23%	2.012%
11	7.463	912	914	918	rVB	23822	17449	1.73%	0.128%
12	8.157	1028	1032	1034	rBV	917812	795693	78.99%	5.834%
13	8.175	1034	1035	1038	rVB	79389	45545	4.52%	0.334%
14	8.569	1098	1102	1104	rBV	33515	26064	2.59%	0.191%
15	8.739	1128	1131	1134	rVB	30711	24148	2.40%	0.177%
16	8.863	1150	1152	1156	rVB	65346	55459	5.51%	0.407%
17	8.963	1165	1169	1173	rBV	45443	41320	4.10%	0.303%
18	9.227	1209	1214	1217	rBV	556710	472955	46.95%	3.468%
19	9.304	1223	1227	1229	rBV	37208	34759	3.45%	0.255%
20	9.498	1255	1260	1263	rBV2	23934	31463	3.12%	0.231%
21	9.563	1268	1271	1274	rVV	44982	39380	3.91%	0.289%
22	9.592	1274	1276	1278	rVV	29060	23456	2.33%	0.172%
23	9.616	1278	1280	1284	rVV2	100494	94134	9.34%	0.690%
24	9.680	1288	1291	1293	rBV	23548	19426	1.93%	0.142%
25	9.769	1303	1306	1309	rBV	67497	53012	5.26%	0.389%
26	9.833	1309	1317	1321	rVB	34961	39114	3.88%	0.287%
27	9.910	1321	1330	1333	rBV	864733	740066	73.47%	5.426%
28	9.939	1333	1335	1338	rVB2	21629	19015	1.89%	0.139%
29	10.110	1359	1364	1367	rVV2	48825	45890	4.56%	0.336%
30	10.151	1367	1371	1375	rVB3	23173	23420	2.32%	0.172%
31	10.222	1380	1383	1386	rBV2	16992	16607	1.65%	0.122%
32	10.316	1395	1399	1400	rBV2	21244	24398	2.42%	0.179%
33	10.327	1400	1401	1404	rVB	46879	34083	3.38%	0.250%
34	10.451	1417	1422	1429	rBV3	23688	31850	3.16%	0.234%

LSC Area Percent Report

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Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.551	1435	1439	1444	rVB2	22759	34598	3.43%	0.254%
36	10.610	1444	1449	1452	rBV2	17366	21212	2.11%	0.156%
37	10.692	1460	1463	1468	rVB	115985	92715	9.20%	0.680%
38	10.816	1479	1484	1488	rBV3	79066	108234	10.74%	0.794%
39	10.998	1511	1515	1519	rBV6	10298	18512	1.84%	0.136%
40	11.133	1534	1538	1539	rBV4	15466	18290	1.82%	0.134%
41	11.157	1539	1542	1546	rVV4	14000	20166	2.00%	0.148%
42	11.198	1546	1549	1552	rVV	41370	33058	3.28%	0.242%
43	11.251	1552	1558	1560	rVV2	48223	45355	4.50%	0.333%
44	11.280	1560	1563	1569	rVB3	21809	34826	3.46%	0.255%
45	11.398	1579	1583	1585	rBV	696298	658047	65.32%	4.825%
46	11.416	1585	1586	1590	rVV	190860	147889	14.68%	1.084%
47	11.468	1592	1595	1598	rVV	92490	72407	7.19%	0.531%
48	11.568	1607	1612	1615	rBV6	12183	18777	1.86%	0.138%
49	11.621	1619	1621	1626	rVV	23595	30169	2.99%	0.221%
50	11.674	1628	1630	1636	rVV2	32510	37621	3.73%	0.276%
51	11.898	1664	1668	1670	rBV	29848	31181	3.10%	0.229%
52	11.921	1670	1672	1675	rVV	56399	48982	4.86%	0.359%
53	12.004	1683	1686	1689	rVV2	43351	49764	4.94%	0.365%
54	12.027	1689	1690	1694	rVB	31479	23170	2.30%	0.170%
55	12.086	1696	1700	1702	rBV	27197	30329	3.01%	0.222%
56	12.192	1709	1718	1720	rBV2	40151	46857	4.65%	0.344%
57	12.215	1720	1722	1726	rVB2	31591	26221	2.60%	0.192%
58	12.445	1755	1761	1764	rBV	41573	53188	5.28%	0.390%
59	12.474	1764	1766	1769	rVV3	35056	30749	3.05%	0.225%
60	12.527	1773	1775	1781	rVB	41986	44892	4.46%	0.329%
61	12.610	1785	1789	1792	rBV	409085	351332	34.88%	2.576%
62	12.704	1802	1805	1807	rVB	19413	16806	1.67%	0.123%
63	12.792	1817	1820	1822	rVB	71095	57247	5.68%	0.420%
64	12.839	1822	1828	1834	rBV	412601	480845	47.73%	3.526%
65	12.892	1834	1837	1841	rVB2	32692	39725	3.94%	0.291%
66	12.974	1844	1851	1854	rBV	499422	454630	45.13%	3.334%
67	13.051	1860	1864	1868	rBV4	40394	72052	7.15%	0.528%
68	13.139	1876	1879	1880	rBV2	36838	38974	3.87%	0.286%
69	13.162	1880	1883	1886	rVB2	45976	52926	5.25%	0.388%
70	13.198	1886	1889	1892	rBV3	31861	32324	3.21%	0.237%
71	13.227	1892	1894	1896	rBV	33996	25741	2.56%	0.189%

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Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.268	1897	1901	1903	rVV2	57524	56537	5.61%	0.415%
73	13.362	1914	1917	1919	rBV	29317	26749	2.66%	0.196%
74	13.392	1919	1922	1925	rBV2	28234	28621	2.84%	0.210%
75	13.451	1928	1932	1937	rBV	112607	116150	11.53%	0.852%
76	13.498	1937	1940	1943	rVB	41606	36643	3.64%	0.269%
77	13.539	1944	1947	1950	rBV5	31372	40852	4.06%	0.300%
78	13.668	1966	1969	1973	rVB	71557	73293	7.28%	0.537%
79	13.780	1985	1988	1991	rBV2	39837	47702	4.74%	0.350%
80	13.810	1991	1993	1995	rVV	40088	30338	3.01%	0.222%
81	13.833	1995	1997	2000	rVV	57487	68081	6.76%	0.499%
82	13.874	2000	2004	2009	rVB2	69718	104999	10.42%	0.770%
83	14.033	2026	2031	2034	rBV2	908028	1007366	100.00%	7.386%
84	14.057	2034	2035	2043	rVB	235643	206107	20.46%	1.511%
85	14.186	2054	2057	2060	rBV3	37072	41100	4.08%	0.301%
86	14.286	2072	2074	2077	rVB4	21533	19230	1.91%	0.141%
87	14.421	2094	2097	2100	rVB	57336	56208	5.58%	0.412%
88	14.457	2100	2103	2106	rBV2	46599	45312	4.50%	0.332%
89	14.492	2106	2109	2114	rBV4	53821	81380	8.08%	0.597%
90	14.545	2115	2118	2120	rBV	50351	46861	4.65%	0.344%
91	14.798	2159	2161	2164	rVB3	28263	25265	2.51%	0.185%
92	15.074	2204	2208	2212	rBV	305197	478049	47.46%	3.505%
93	15.139	2216	2219	2224	rVV2	71018	95836	9.51%	0.703%
94	15.186	2224	2227	2231	rVB	57786	58752	5.83%	0.431%
95	15.386	2257	2261	2267	rVB	165720	215596	21.40%	1.581%
96	15.445	2267	2271	2277	rVB	174868	210084	20.85%	1.540%
97	15.515	2278	2283	2286	rBV	572060	728221	72.29%	5.340%
98	15.956	2355	2358	2362	rVB	46103	59695	5.93%	0.438%
99	16.986	2528	2533	2538	rBV2	78395	147788	14.67%	1.084%
100	17.439	2605	2610	2621	rVB2	50109	105613	10.48%	0.774%

Sum of corrected areas: 13638189

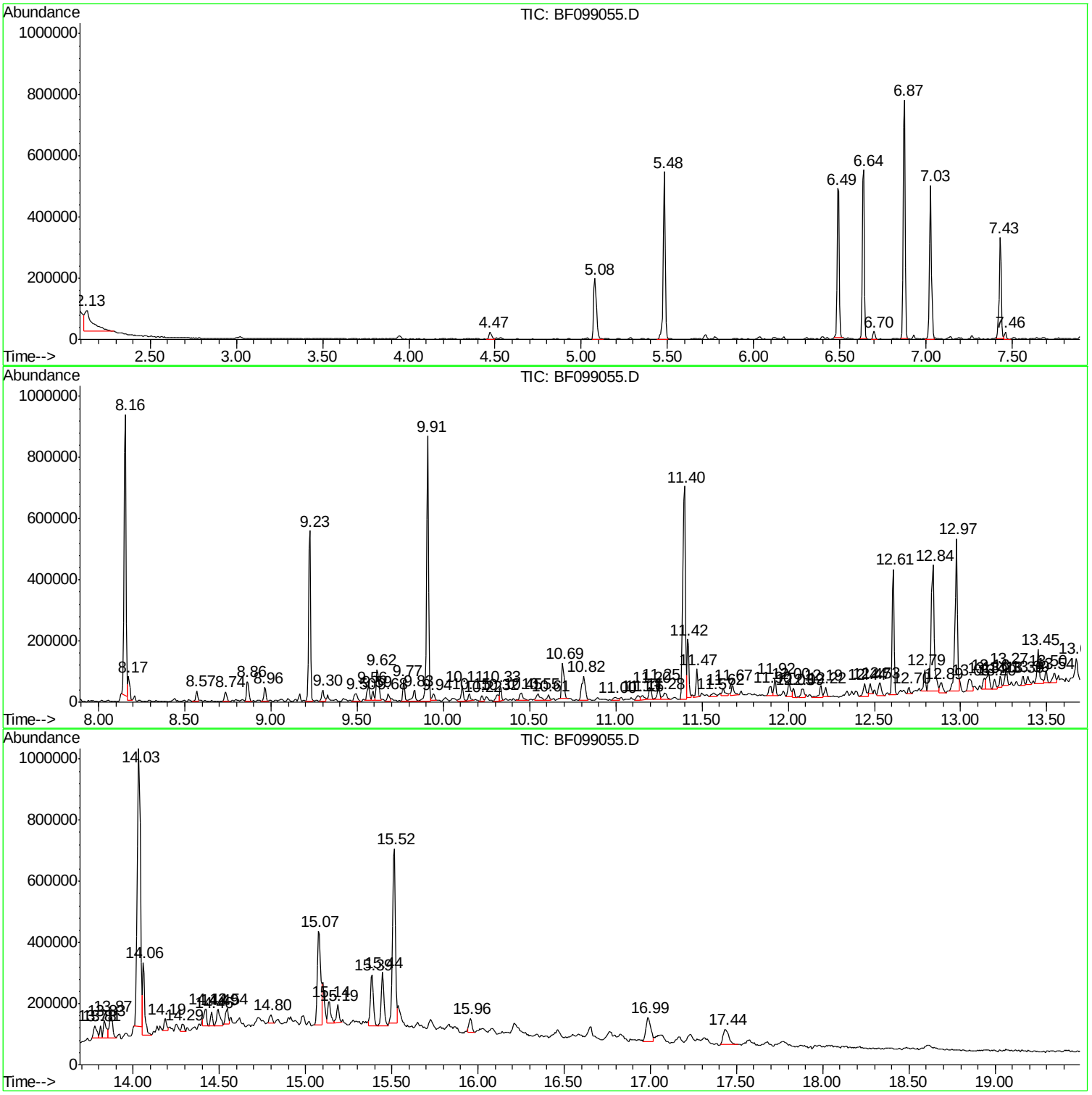
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

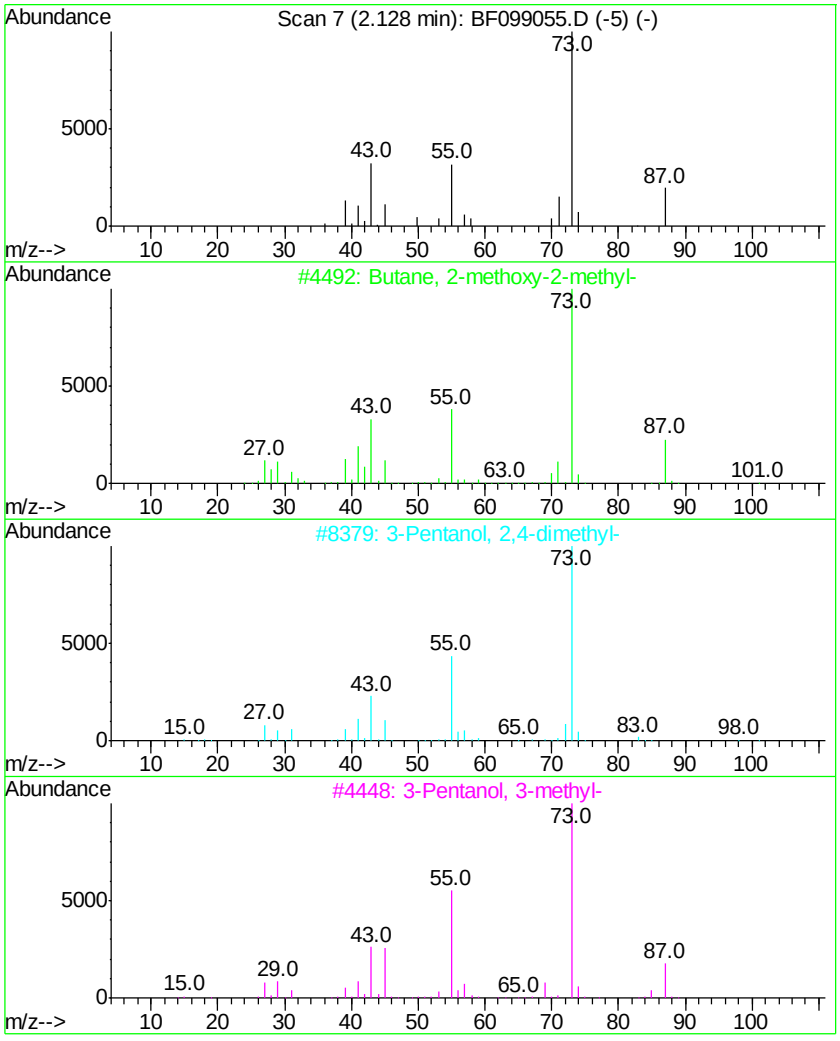
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

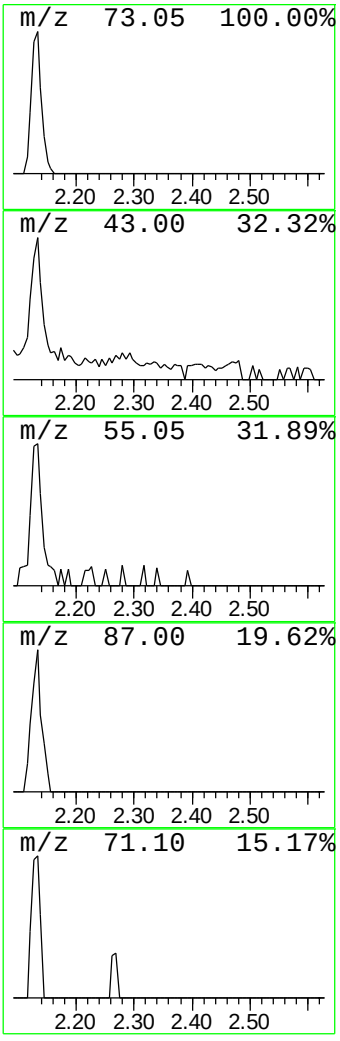
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	6.37 ng	217328	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	5





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Acq On : 4 Oct 2017 2:48
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Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

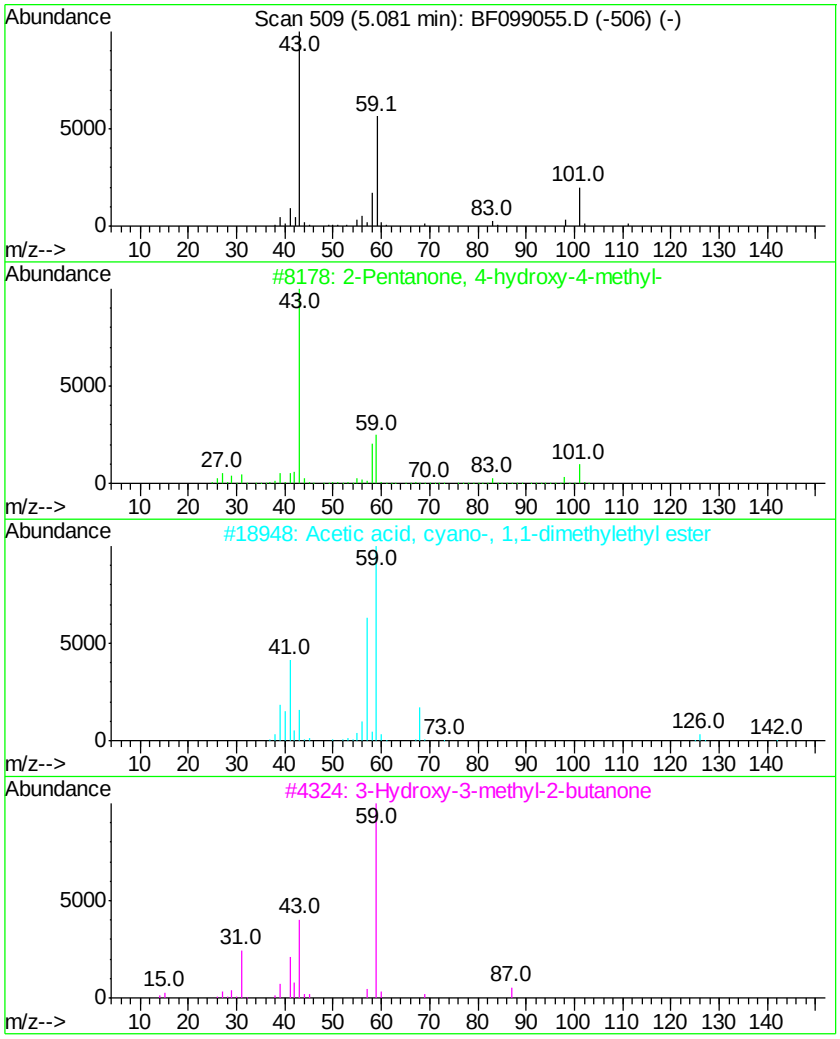
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

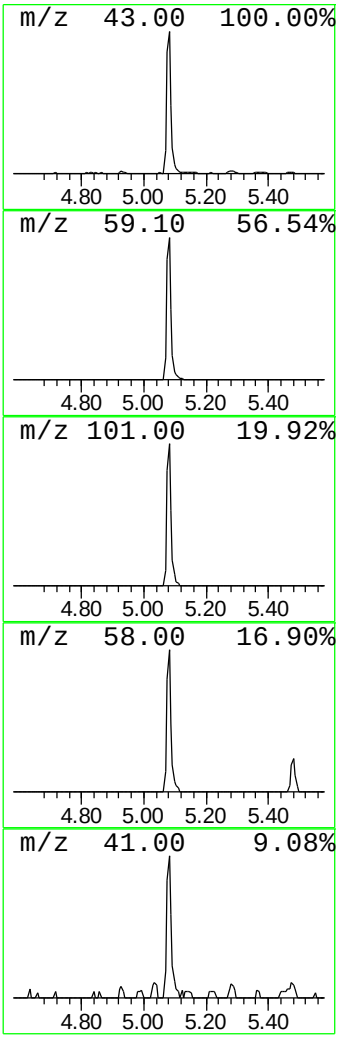
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	5.88 ng	200388	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

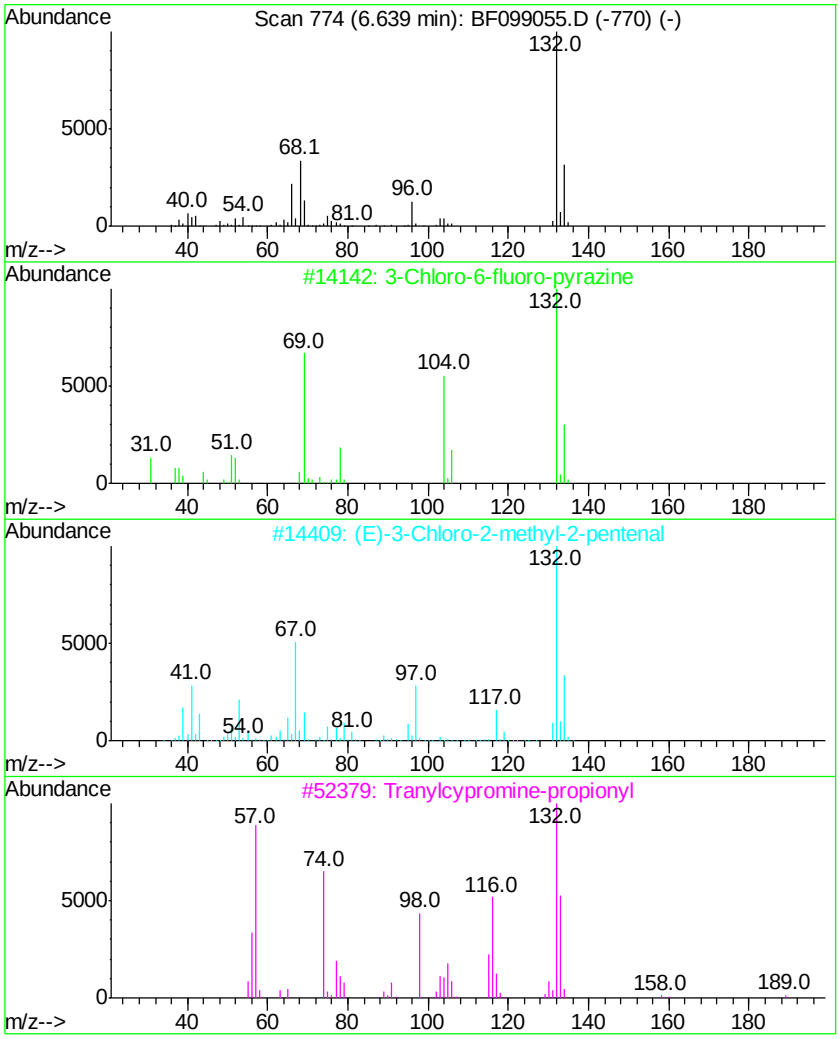
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

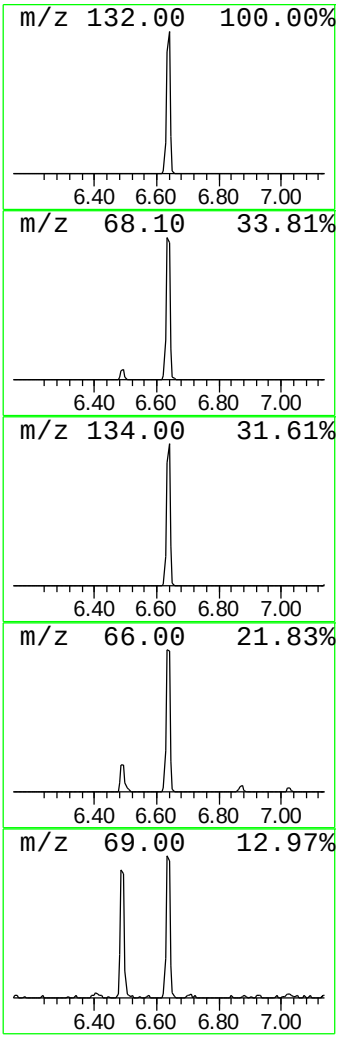
****

Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	14.17 ng	483260	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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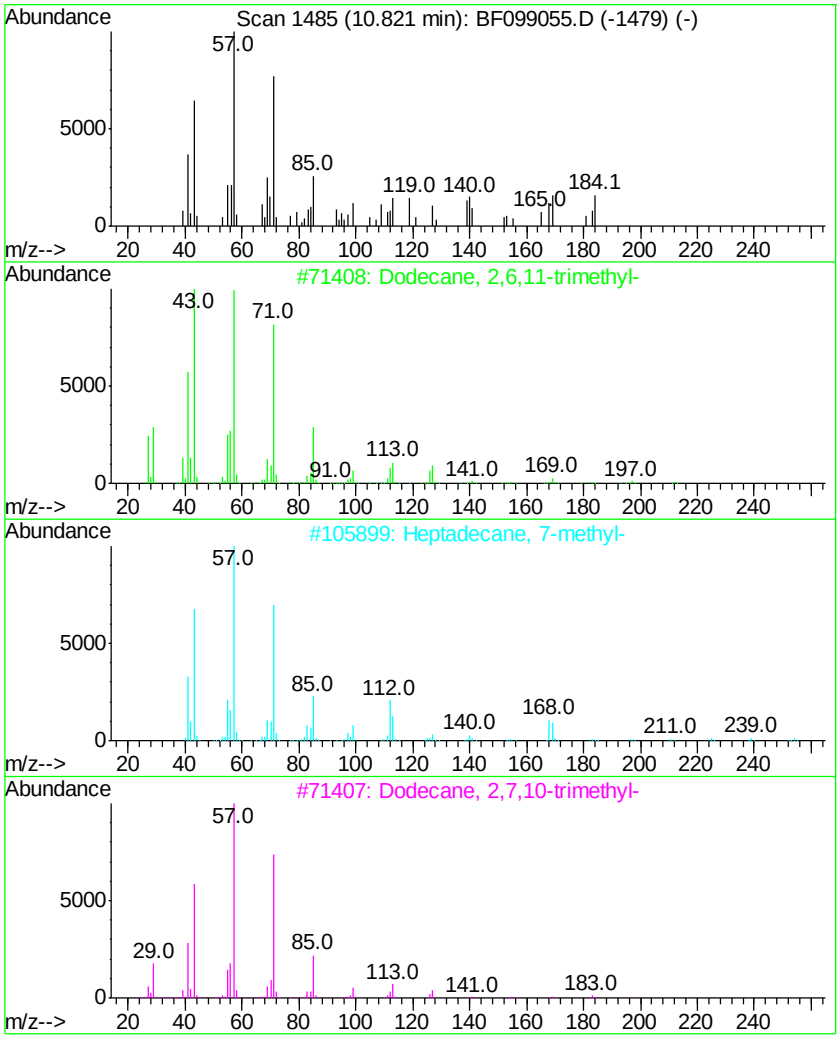
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

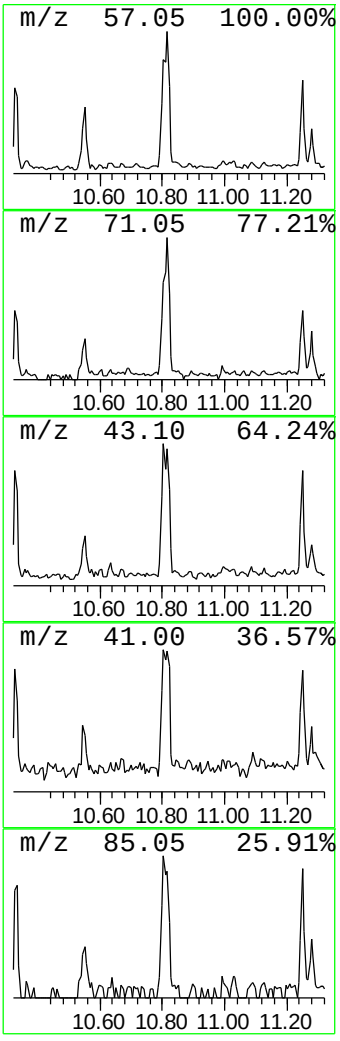
****

Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	3.29 ng	108234	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
5	5-Ethyldecane	170	C12H26	017302-36-2	58





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Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

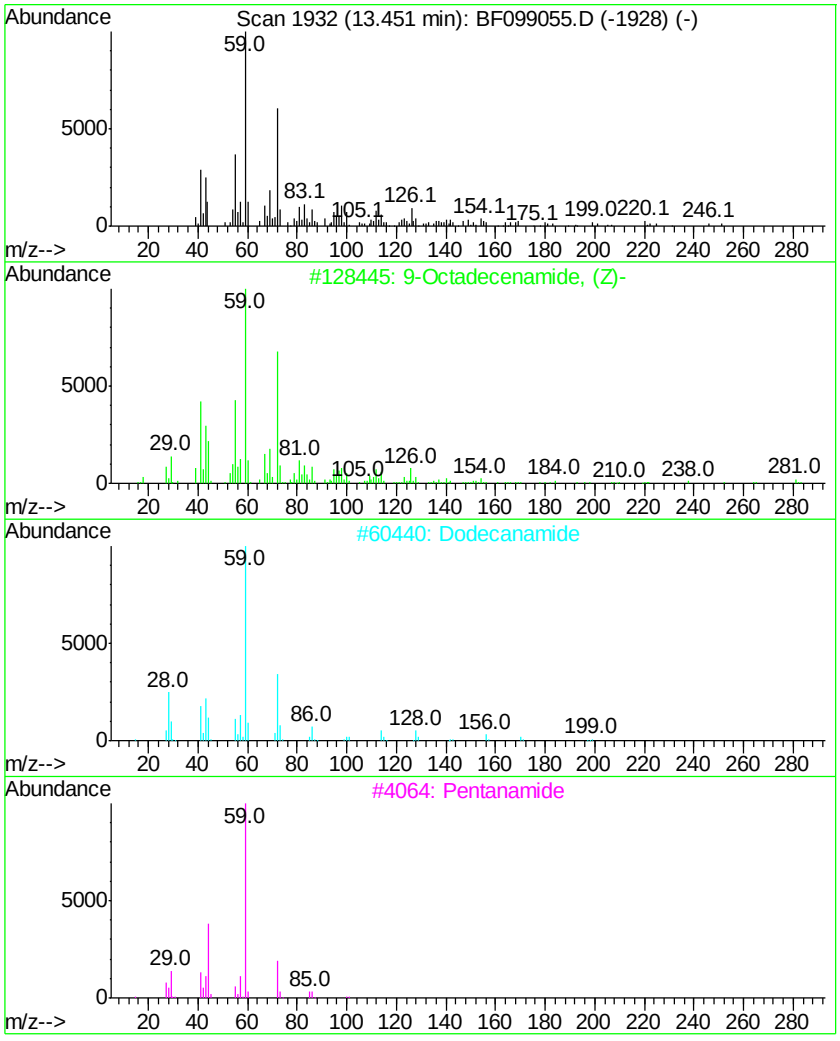
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

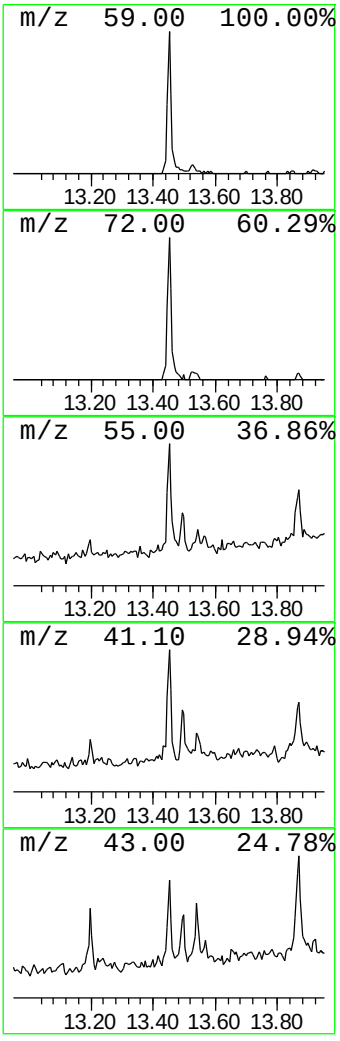
****

Peak Number 6 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.31 ng	116150	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	87
2	Dodecanamide	199	C12H25NO	001120-16-7	62
3	Pentanamide	101	C5H11NO	000626-97-1	59
4	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	53
5	Octanamide	143	C8H17NO	000629-01-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

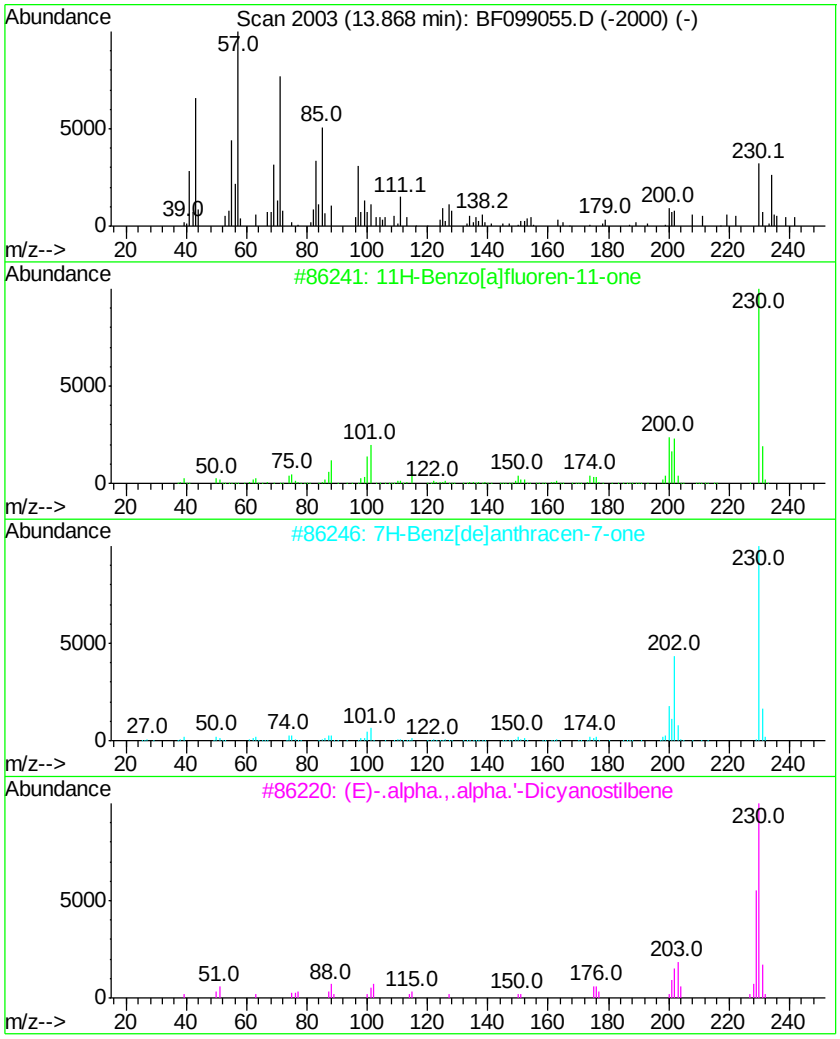
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

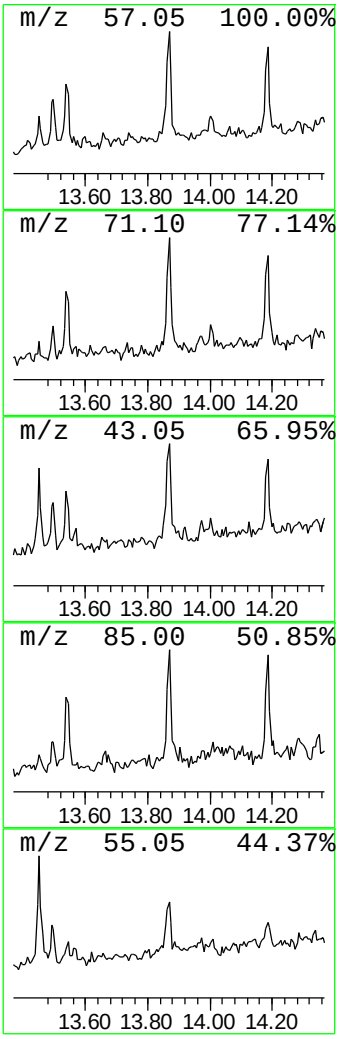
****

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.08 ng	104999	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	53
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	53
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

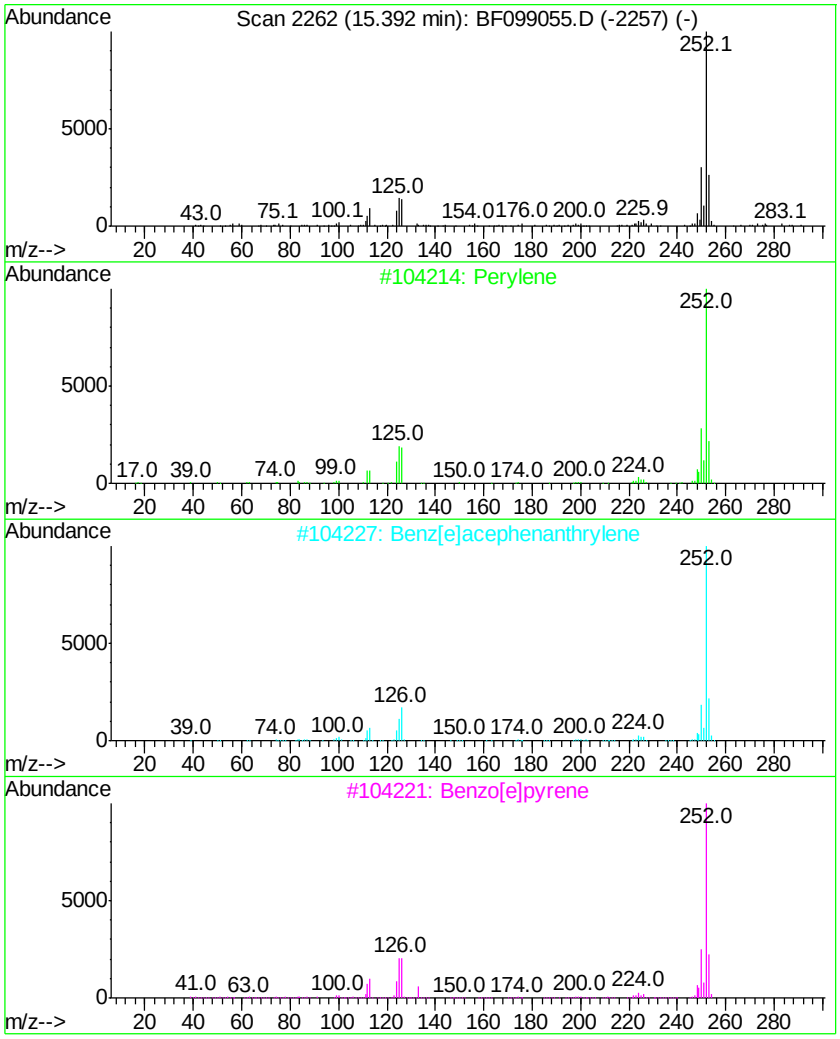
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

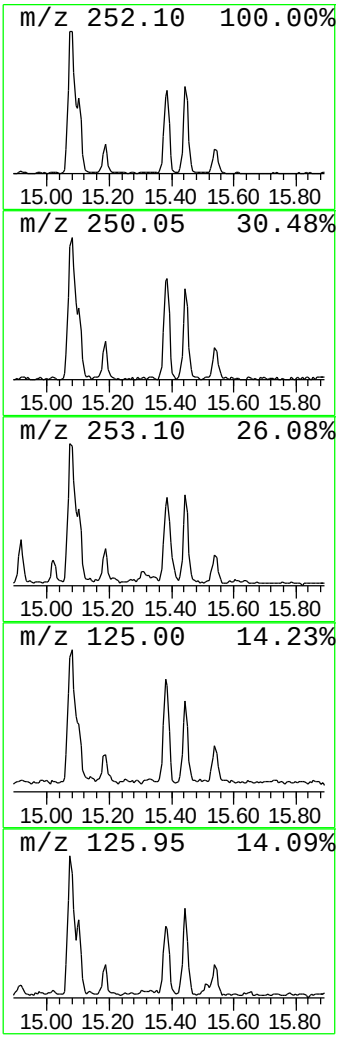
****

Peak Number 8 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	5.92 ng	215596	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	98
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-65-0-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Butane, 2-methoxy...	2.13	6.4	ng	217328	1	6.87	681916	20.0
2-Pentanone, 4-hy...	5.08	5.9	ng	200388	1	6.87	681916	20.0
unknown6.64	6.64	14.2	ng	483260	1	6.87	681916	20.0
Dodecane, 2,6,11-...	10.82	3.3	ng	108234	4	11.40	658047	20.0
9-Octadecenamide,...	13.45	2.3	ng	116150	5	14.03	1007370	20.0
11H-Benzo[a]fluor...	13.87	2.1	ng	104999	5	14.03	1007370	20.0
Perylene	15.39	5.9	ng	215596	6	15.52	728221	20.0