LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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-BF090115.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	1.474	10	12	17	rBV	11739	32671	1.63%	0.137%
2	1.554	17	19	38	rVV	70149	221151	11.01%	0.926%
3	1.874	38	47	50	rVB	29968	74401	3.70%	0.311%
4	2.617	110	112	117	rVB	16602	27015	1.34%	0.113%
5	2.914	133	138	141	rBV	9118	21814	1.09%	0.091%
6	3.417	178	182	194	rBB2	20571	60099	2.99%	0.252%
7	4.354	260	264	269	rVB2	13902	30337	1.51%	0.127%
8	4.503	275	277	282	rVV	12052	26279	1.31%	0.110%
9	4.606	282	286	301	rVB	421368	1281114	63.77%	5.363%
10	5.234	338	341	346	rBV	30168	60207	3.00%	0.252%
11	5.440	356	359	369	rBV	934127	1893017	94.24%	7.924%
12	5.749	383	386	391	rVB2	27077	53995	2.69%	0.226%
13	5.977	401	406	411	rBV	13502	25641	1.28%	0.107%
14	6.229	422	428	431	rBV2	11663	24576	1.22%	0.103%
15	6.812	475	479	482	rBV	13253	23043	1.15%	0.096%
16	7.692	552	556	559	rBV	923432	2008819	100.00%	8.409%
17	7.783	560	564	567	rVV	1076718	1957618	97.45%	8.195%
18	7.897	571	574	578	rVB	33869	50755	2.53%	0.212%
19	8.035	583	586	590	rVB	22707	35778	1.78%	0.150%
20	8.263	602	606	610	rBV	205992	324728	16.17%	1.359%
21	8.400	612	618	620	rBV	16135	32553	1.62%	0.136%
22	8.595	630	635	638	rBV	824646	1400108	69.70%	5.861%
23	9.075	672	677	684	rVB6	5099	23110	1.15%	0.097%
24	9.566	715	720	723	rBV	668190	1272281	63.33%	5.326%
25	9.806	738	741	745	rBV	27825	45324	2.26%	0.190%
26	11.155	856	859	862	rBV	243902	430782	21.44%	1.803%
27	11.201	862	863	870	rVB	49516	86097	4.29%	0.360%
28	11.395	877	880	883	rVB	30965	48214	2.40%	0.202%
29	11.578	892	896	900	rBV	16323	30842	1.54%	0.129%
30	12.446	967	972	975	rBV	36095	64530	3.21%	0.270%
31	12.858	1003	1008	1013	rBV	117367	190207	9.47%	0.796%
32	13.075	1024	1027	1032	rBV	80856	127839	6.36%	0.535%
33	13.807	1086	1091	1094	rVV	1020341	1984827	98.81%	8.309%
34	13.875	1094	1097	1100	rVB	23023	39401	1.96%	0.165%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.218	1123	1127	1132	rVB	40082	79632	3.96%	0.333%
36	14.367	1137	1140	1146	rVB2	24486	67684	3.37%	0.283%
37	14.538	1151	1155	1158	rBV	69779	124210	6.18%	0.520%
38	14.595	1158	1160	1165	rVB	50119	85020	4.23%	0.356%
39	14.801	1174	1178	1180	rBV	26328	57737	2.87%	0.242%
40	14.870	1180	1184	1188	rVB	149919	258609	12.87%	1.083%
41	14.984	1190	1194	1197	rBV2	46048	79214	3.94%	0.332%
42	15.292	1218	1221	1225	rVB2	251675	423282	21.07%	1.772%
43	15.372	1225	1228	1231	rVV2	16757	23836	1.19%	0.100%
44	15.487	1235	1238	1241	rVB2	39706	66440	3.31%	0.278%
45	15.635	1247	1251	1257	rVB2	9495	30354	1.51%	0.127%
46	15.795	1260	1265	1269	rVV2	22472	49996	2.49%	0.209%
47	15.864	1269	1271	1274	rVV	17612	28960	1.44%	0.121%
48	15.955	1274	1279	1282	rVV	20992	37951	1.89%	0.159%
49	16.127	1291	1294	1296	rBV2	23986	45868	2.28%	0.192%
50	16.184	1297	1299	1303	rVV	17757	30141	1.50%	0.126%
51	16.275	1303	1307	1309	rVV4	13224	29031	1.45%	0.122%
52	16.333	1309	1312	1319	rVB5	18866	62979	3.14%	0.264%
53	16.618	1334	1337	1341	rVB2	33677	67671	3.37%	0.283%
54	16.698	1341	1344	1347	rVB	46882	76300	3.80%	0.319%
55	16.767	1347	1350	1353	rBV2	8626	21197	1.06%	0.089%
56	17.018	1370	1372	1376	rVB2	19876	36135	1.80%	0.151%
57	17.201	1384	1388	1394	rBV	677687	1356211	67.51%	5.677%
58	17.304	1394	1397	1400	rVB3	11147	21331	1.06%	0.089%
59	17.876	1441	1447	1450	rBV2	71894	228159	11.36%	0.955%
60	18.287	1479	1483	1486	rBV3	22600	59222	2.95%	0.248%
61	18.390	1489	1492	1495	rVV2	14592	26287	1.31%	0.110%
62	18.550	1502	1506	1508	rBV4	23913	48558	2.42%	0.203%
63	18.801	1525	1528	1531	rBV	243036	445683	22.19%	1.866%
64	18.859	1531	1533	1536	rVV	65326	99157	4.94%	0.415%
65	18.927	1536	1539	1542	rVV	54875	88496	4.41%	0.370%
66	18.984	1542	1544	1548	rVB2	15878	35605	1.77%	0.149%
67	19.281	1568	1570	1573	rVB3	12798	24388	1.21%	0.102%
68	19.773	1610	1613	1615	rBV2	34758	61112	3.04%	0.256%
69	19.967	1627	1630	1633	rVB	49425	87612	4.36%	0.367%
70	20.036	1633	1636	1639	rBV2	30397	57991	2.89%	0.243%
71	20.104	1639	1642	1648	rBV	44969	100946	5.03%	0.423%

LSC Area Percent Report

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Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.276	1655	1657	1660	rBV	28046	44850	2.23%	0.188%
73	20.344	1660	1663	1665	rBV2	25564	45105	2.25%	0.189%
74	20.573	1679	1683	1687	rBV2	97795	221998	11.05%	0.929%
75	20.916	1710	1713	1715	rBV2	54041	95631	4.76%	0.400%
76	21.476	1758	1762	1767	rVB3	322897	1386349	69.01%	5.803%
77	21.579	1768	1771	1774	rBV2	60214	105814	5.27%	0.443%
78	21.819	1788	1792	1798	rBV3	40083	90949	4.53%	0.381%
79	21.933	1798	1802	1805	rVV3	51704	90162	4.49%	0.377%
80	21.979	1805	1806	1810	rVV	24025	44500	2.22%	0.186%
81	22.059	1810	1813	1815	rVV	88902	106527	5.30%	0.446%
82	22.150	1817	1821	1823	rVV	1175115	1655255	82.40%	6.929%
83	22.333	1831	1837	1842	rBV4	19815	71259	3.55%	0.298%
84	22.413	1842	1844	1846	rVV2	11671	21258	1.06%	0.089%
85	22.482	1846	1850	1855	rVV5	15348	52633	2.62%	0.220%
86	22.573	1855	1858	1859	rVV2	16976	33046	1.65%	0.138%
87	22.607	1859	1861	1864	rVB	55443	67022	3.34%	0.281%
88	22.870	1880	1884	1885	rBV4	13878	26767	1.33%	0.112%
89	22.962	1889	1892	1896	rBV2	70420	130775	6.51%	0.547%
90	23.019	1896	1897	1899	rVV	62317	53280	2.65%	0.223%
91	23.373	1926	1928	1929	rBV	83717	109324	5.44%	0.458%
92	23.408	1929	1931	1933	rVB	281777	336152	16.73%	1.407%
93	23.590	1944	1947	1951	rBV6	10077	34898	1.74%	0.146%
94	23.739	1958	1960	1963	rBV	55943	63802	3.18%	0.267%
95	23.865	1966	1971	1973	rBV2	25487	55157	2.75%	0.231%
96	24.070	1987	1989	1993	rVB	48341	68141	3.39%	0.285%
97	24.379	2014	2016	2017	rBV	27356	37623	1.87%	0.157%
98	24.665	2039	2041	2043	rBV	31166	33113	1.65%	0.139%
99	24.848	2055	2057	2063	rVV	220417	239889	11.94%	1.004%
100	24.951	2063	2066	2068	rVB2	24462	35210	1.75%	0.147%

Sum of corrected areas: 23888667

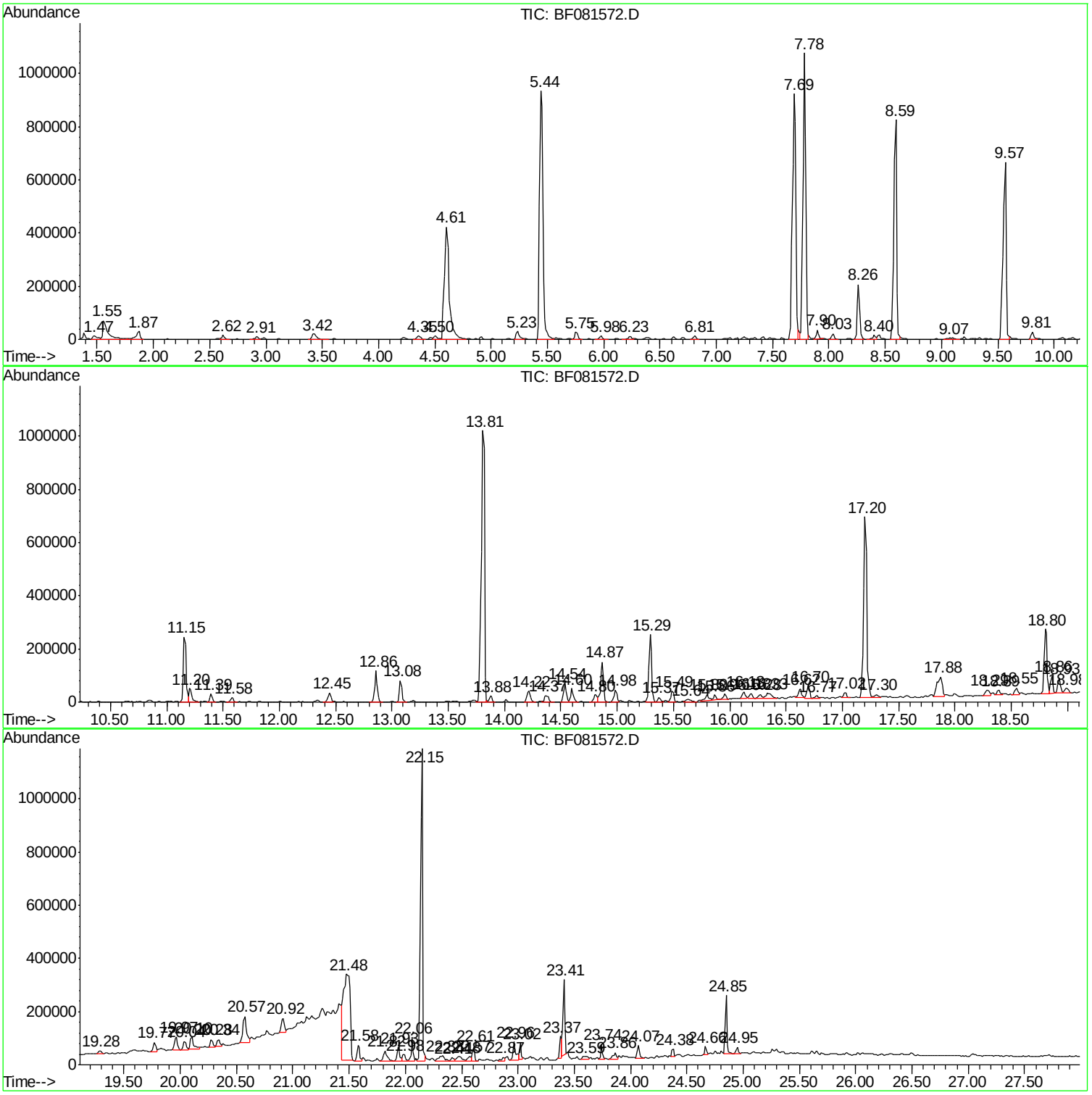
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

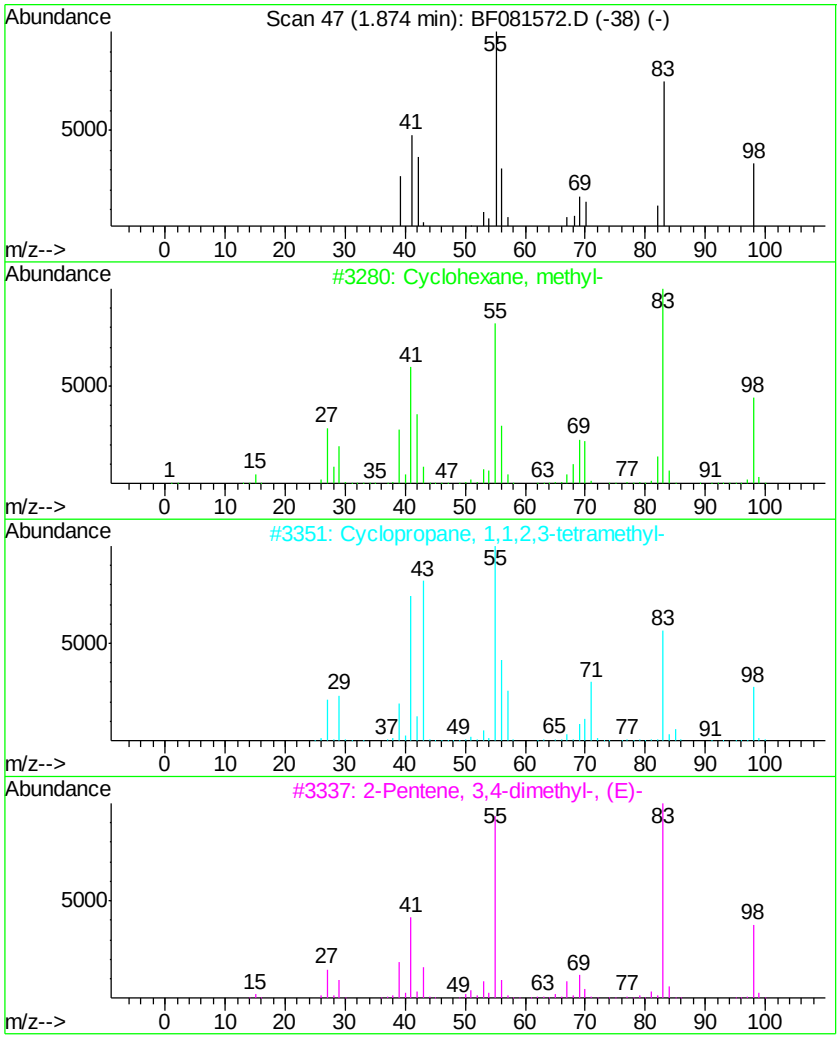
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

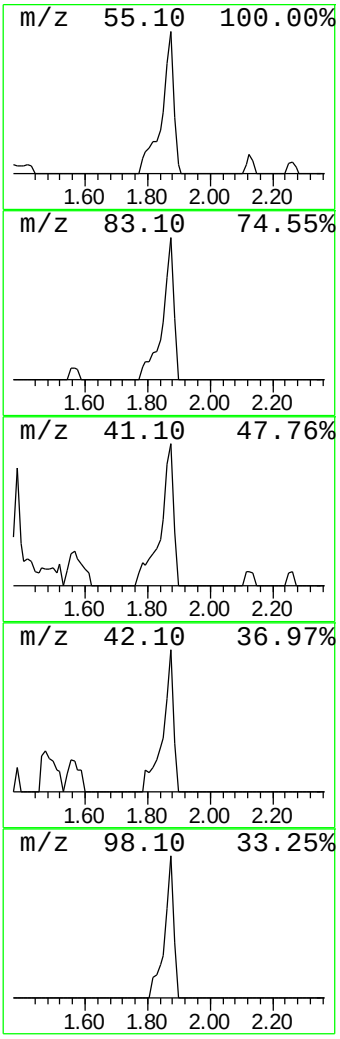
****

Peak Number 2 Cyclohexane, methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.87	4.58 ng	74401	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
2	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	64
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	59
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	59
5	1H-Pyrazole, 4,5-dihydro-4,5-dim...	98	C5H10N2	028019-94-5	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

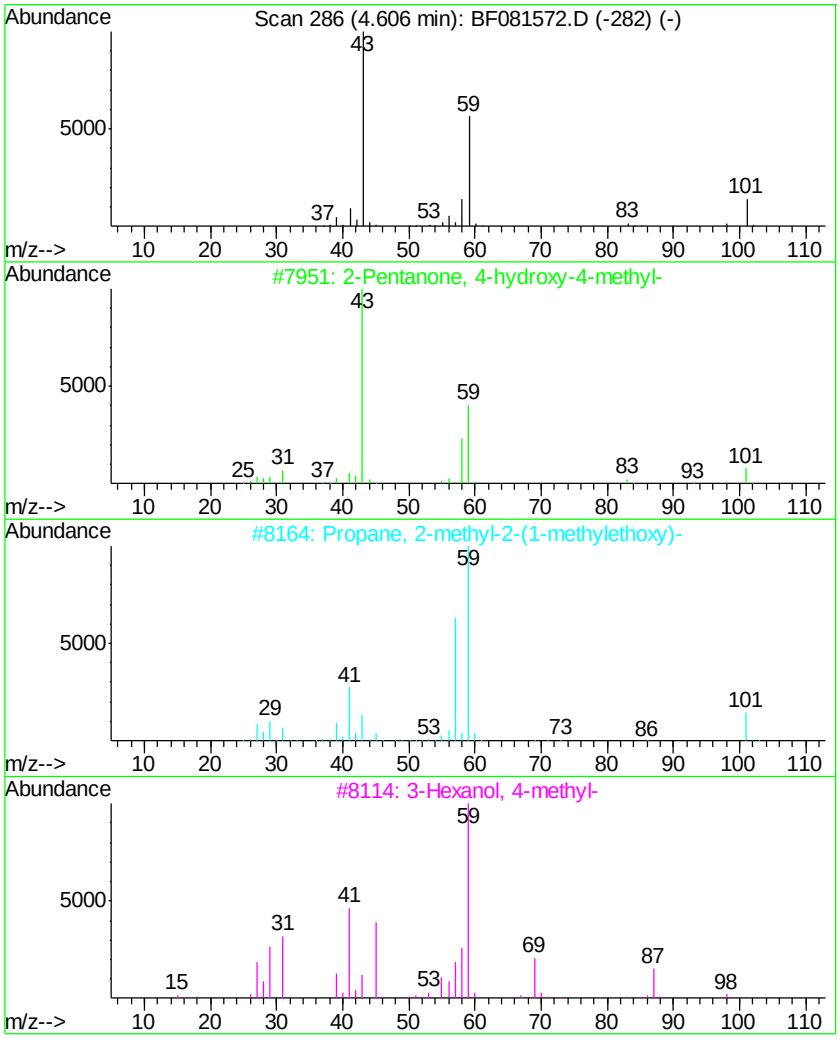
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

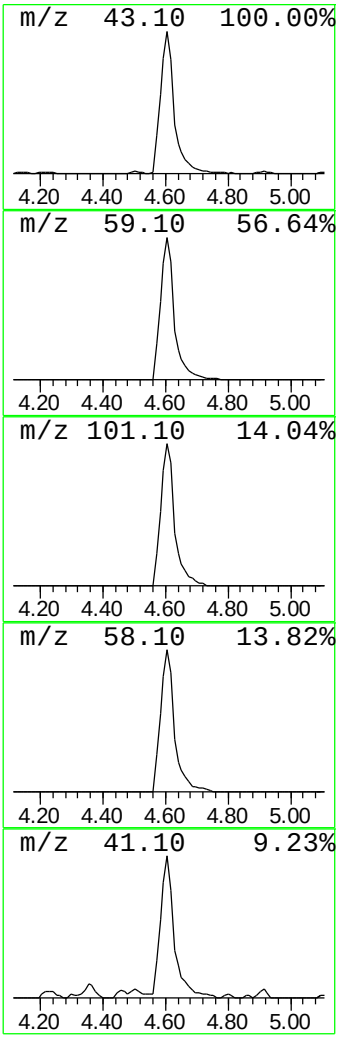
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.61	78.90 ng	1281110	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
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\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
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Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

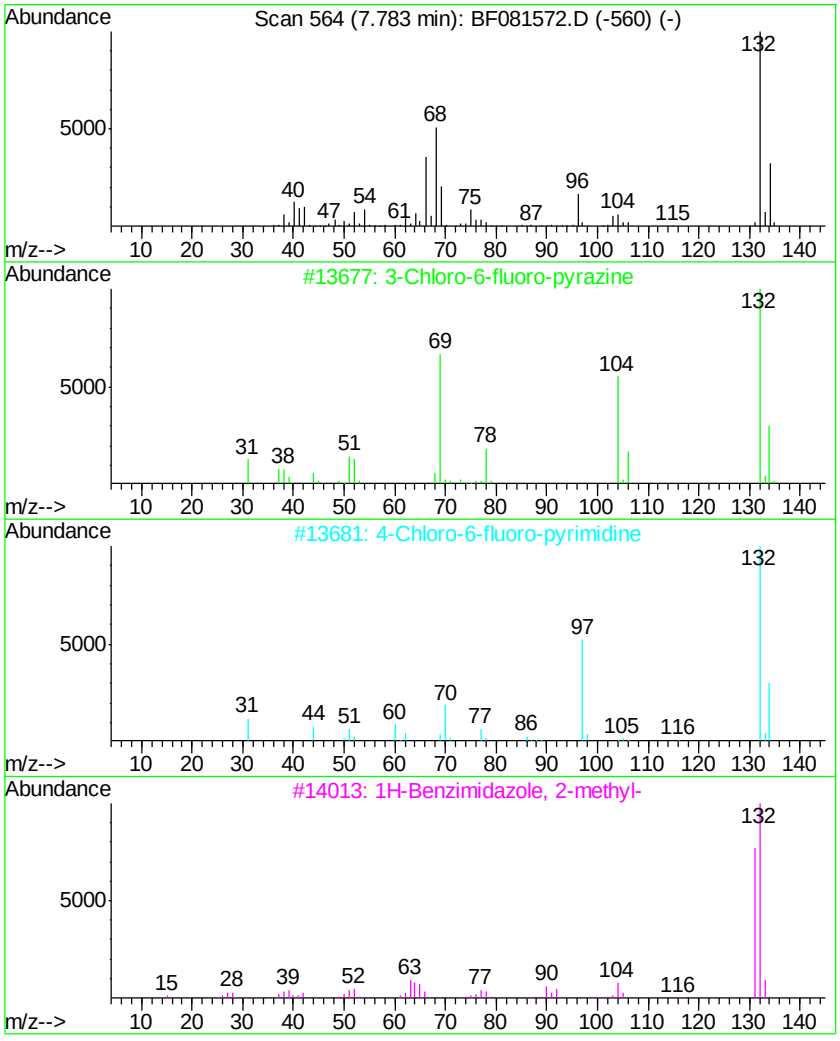
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

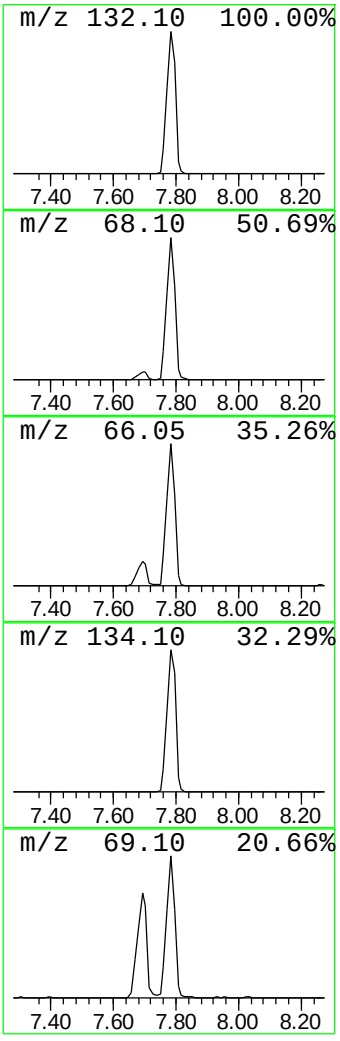
****

Peak Number 4 unknown7.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	120.57 ng	1957620	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
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Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

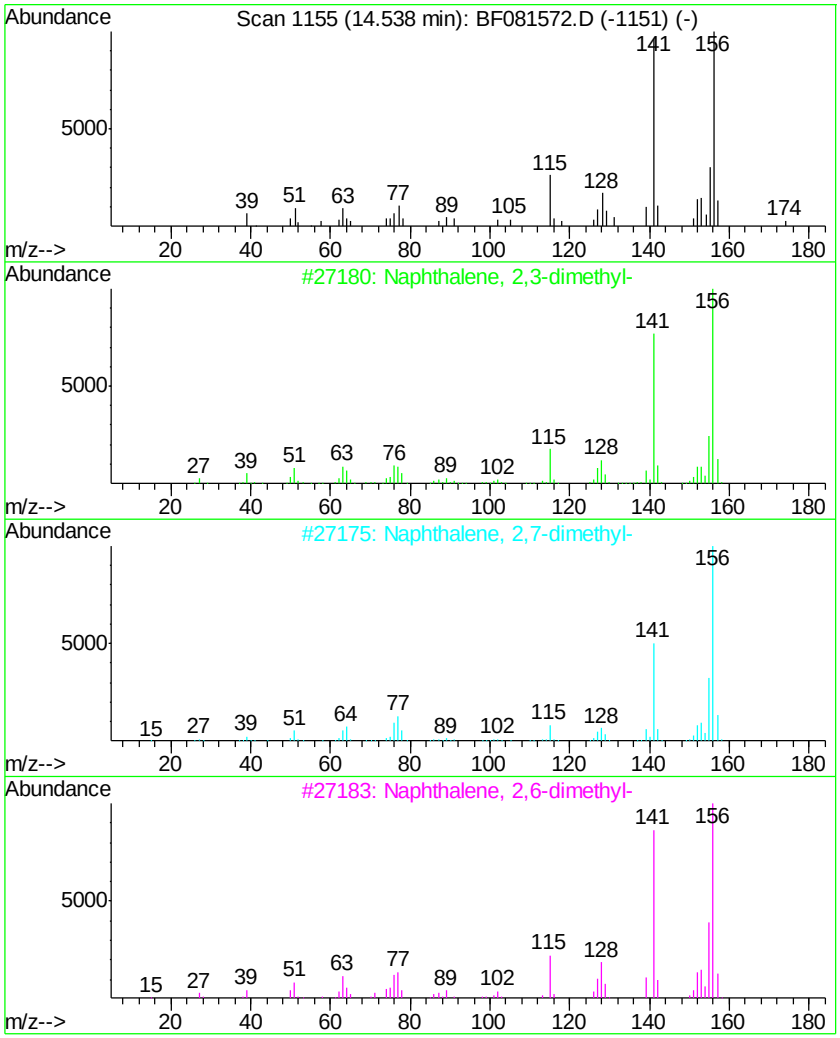
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

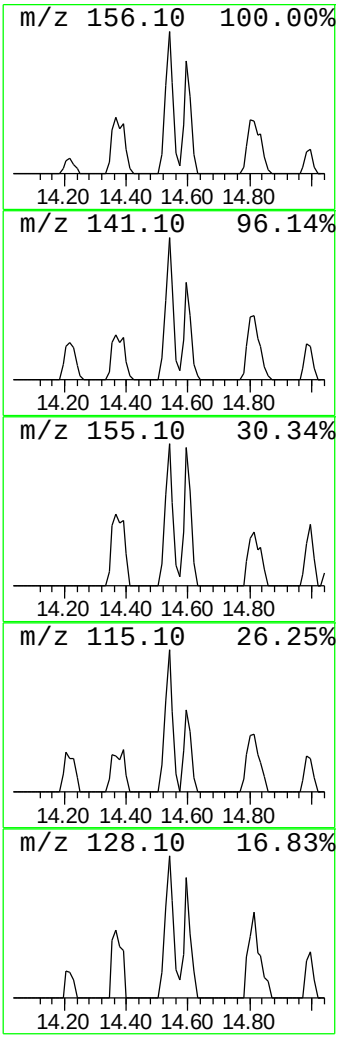
****

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	5.87 ng	124210	Acenaphthene-d10	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

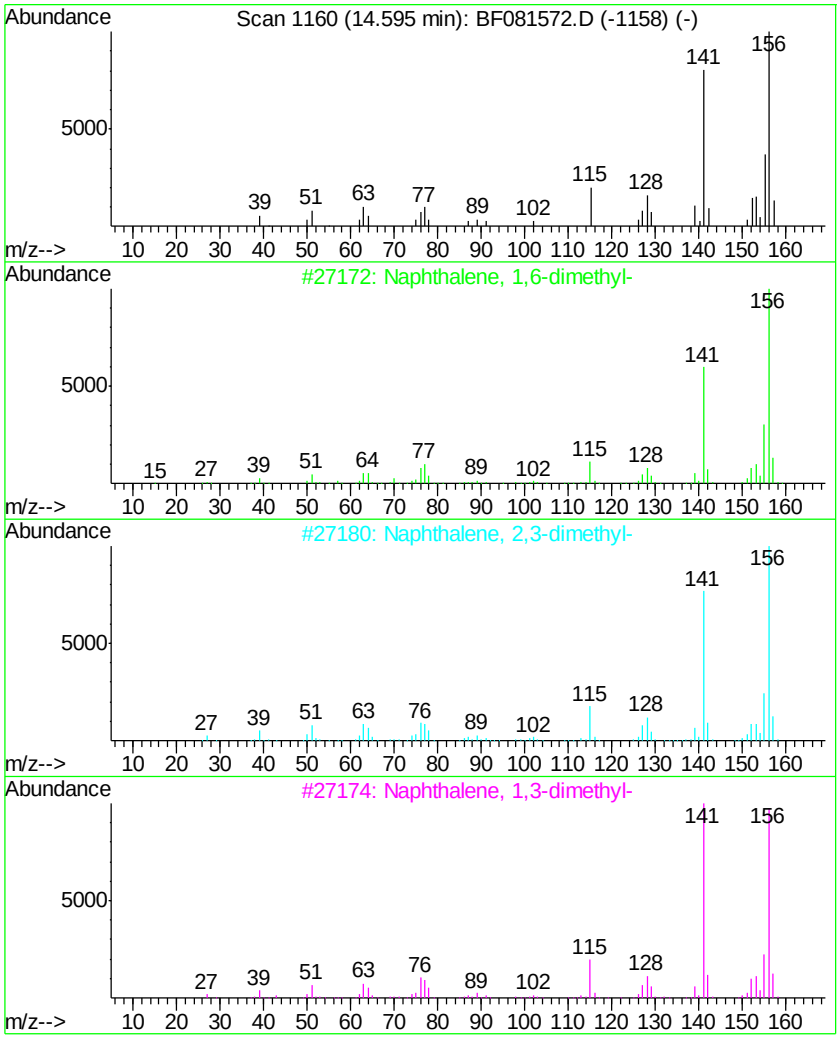
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

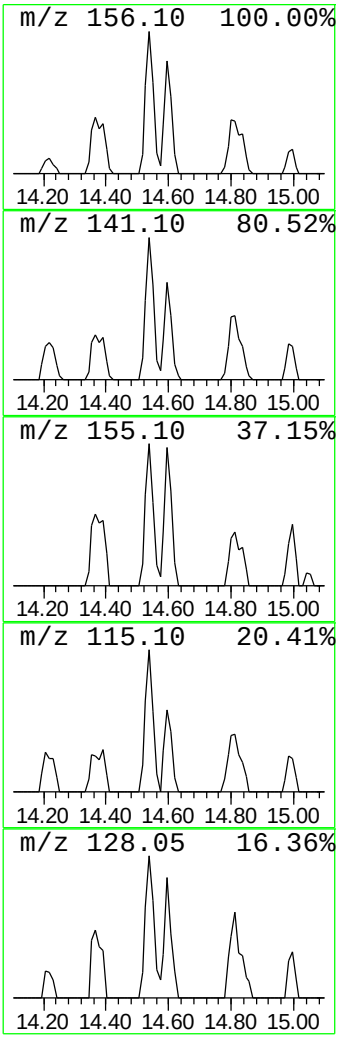
****

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	4.02 ng	85020	Acenaphthene-d10	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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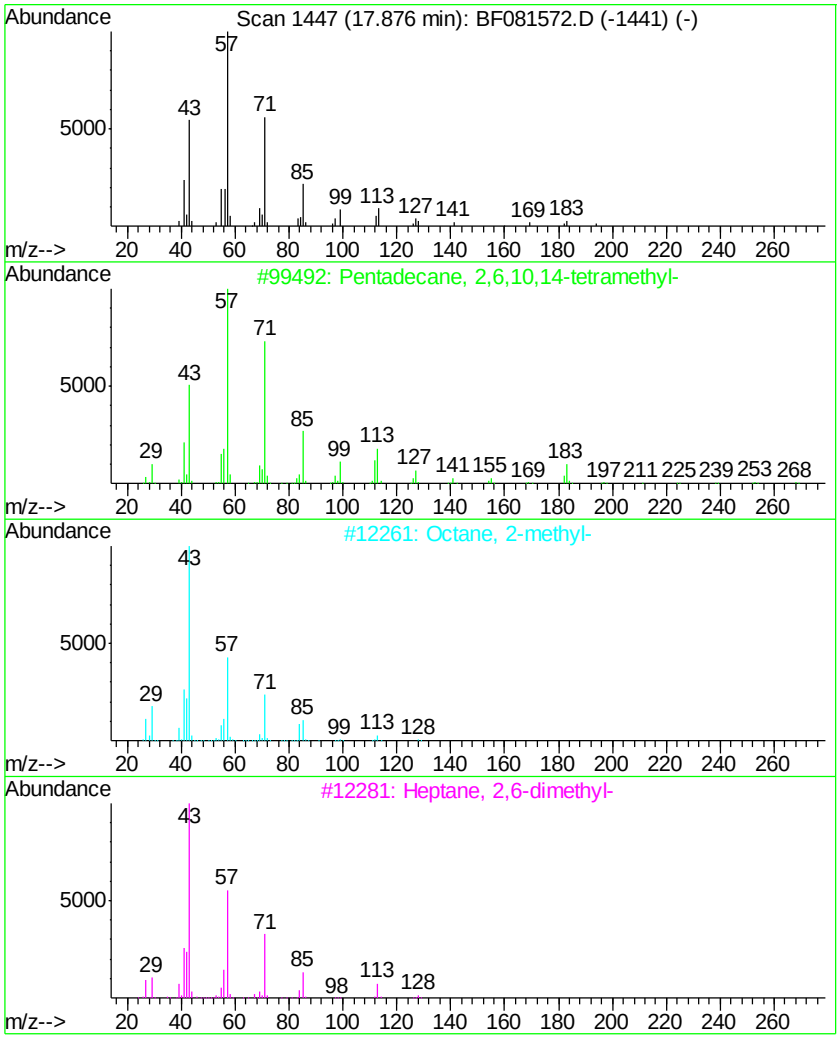
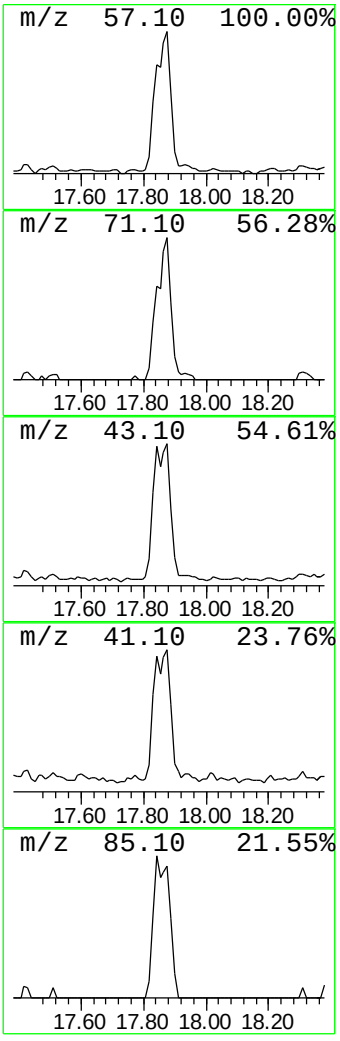
Peak Number 9 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	10.24 ng	228159	Phenanthrene-d10	18.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	72
4	Heptacosane	380	C27H56	000593-49-7	64
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64





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Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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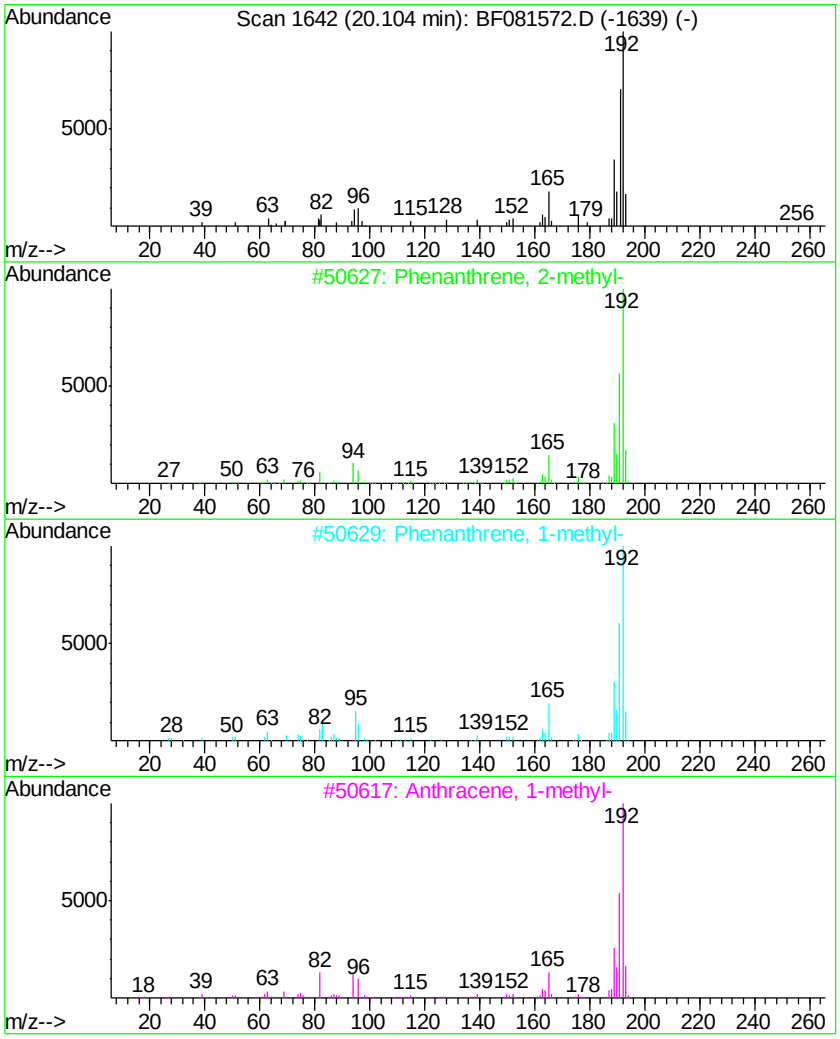
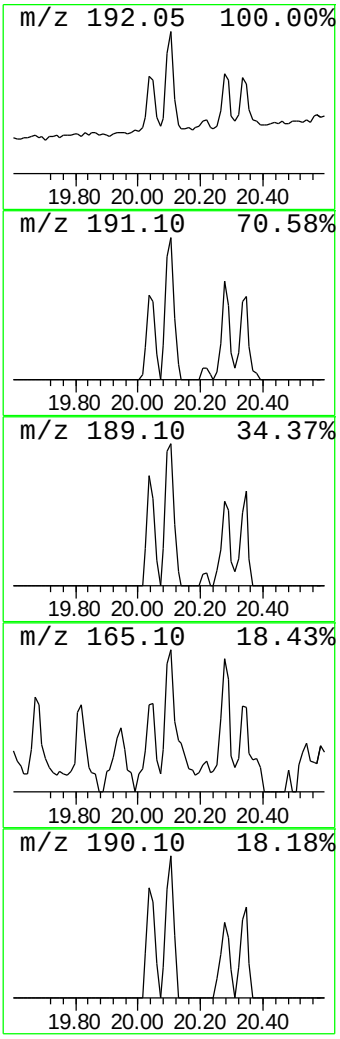
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	4.53 ng	100946	Phenanthrene-d10	18.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Library Search Compound Report

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Sample : G3497-04
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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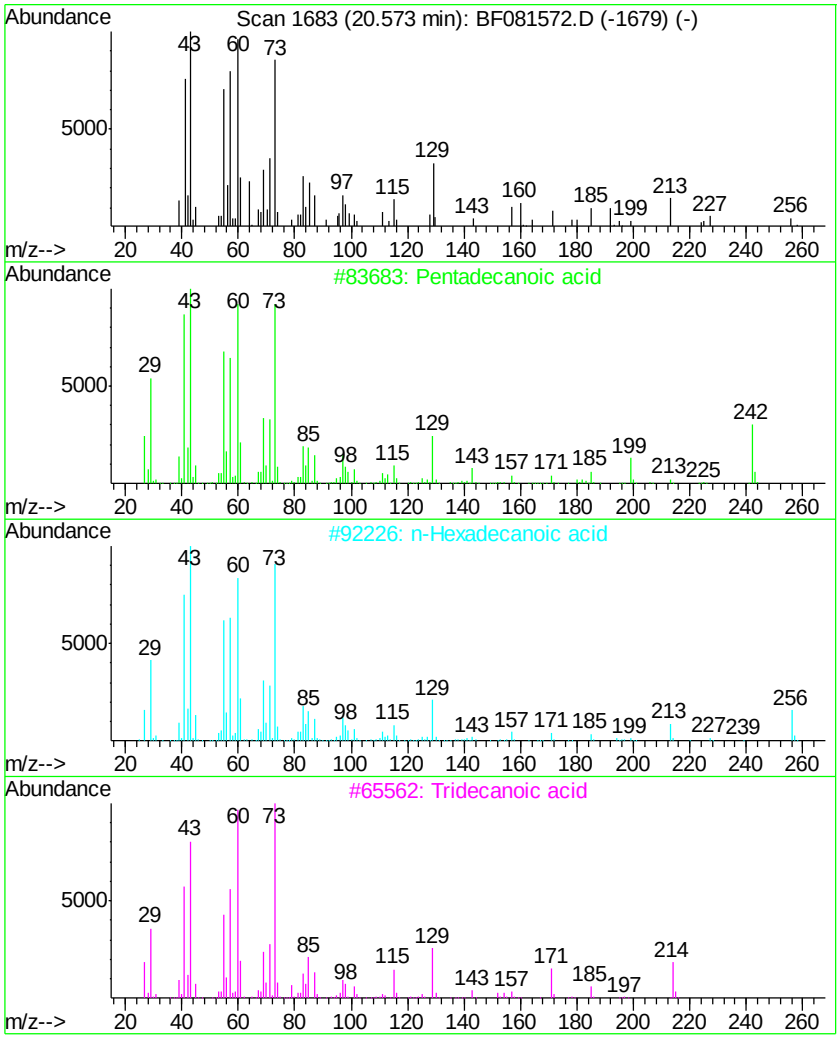
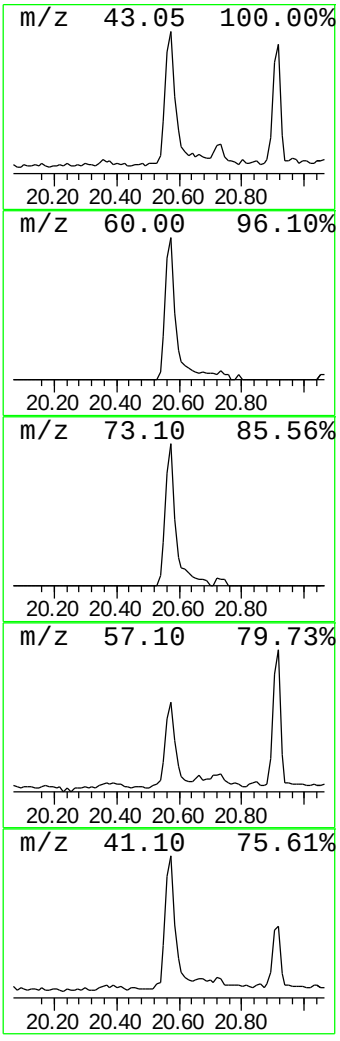
Peak Number 11 Pentadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	9.96 ng	221998	Phenanthrene-d10	18.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
3	Tridecanoic acid	214	C13H26O2	000638-53-9	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5	Undecanoic acid	186	C11H22O2	000112-37-8	47





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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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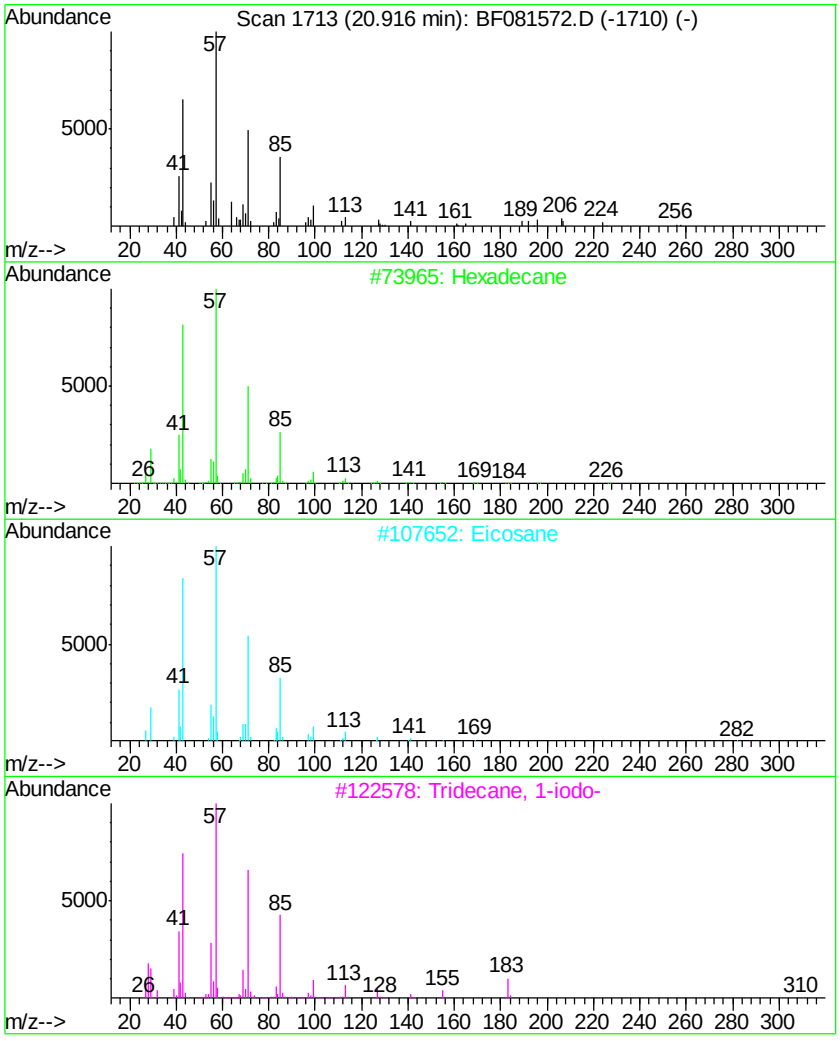
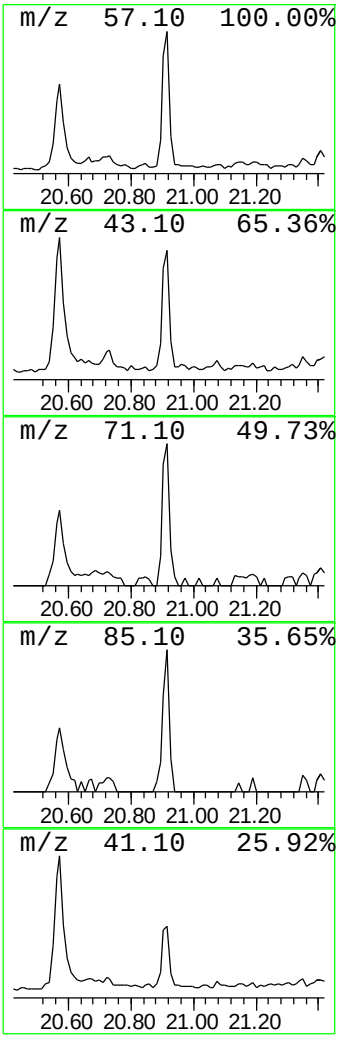
Peak Number 12 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	4.29 ng	95631	Phenanthrene-d10	18.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	76
2	Eicosane	282	C20H42	000112-95-8	74
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
4	Pentadecane	212	C15H32	000629-62-9	72
5	Heptacosane	380	C27H56	000593-49-7	72





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Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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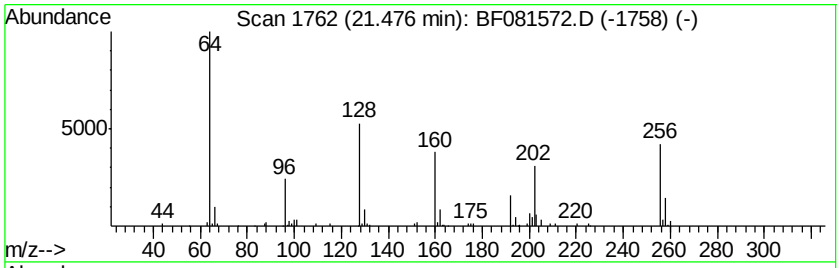
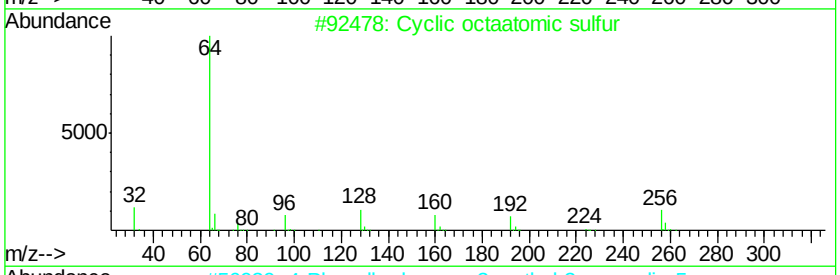
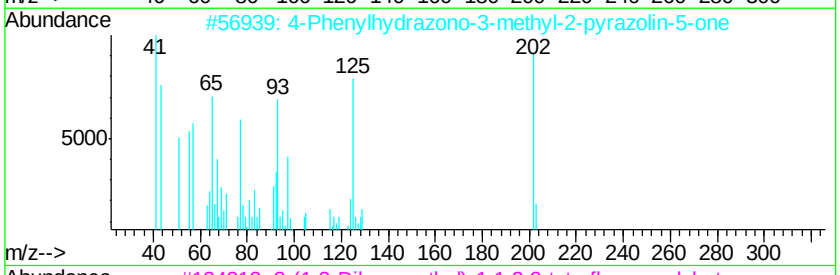
Peak Number 13 Cyclic octaatomic sulfur Concentration Rank 3

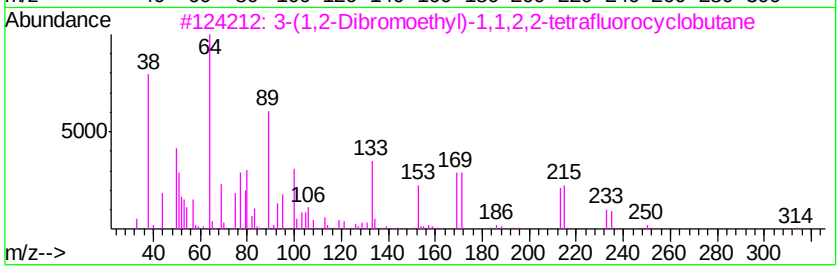
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.48	82.48 ng	1386350	Chrysene-d12	23.41

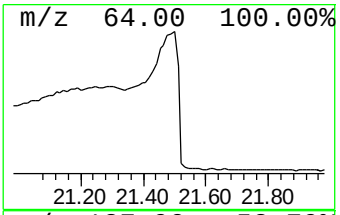
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	93
2	4-Phenylhydrazono-3-methyl-2-pyr...	202	C10H10N4O	1000143-29-5	50
3	3-(1,2-Dibromoethyl)-1,1,2,2-tet...	312	C6H6Br2F4	017215-13-3	33
4	2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1000256-39-2	9
5	1,2,5,6-Tetrathiocane	184	C4H8S4	001940-01-8	9

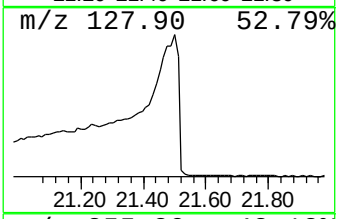


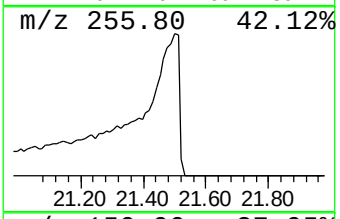


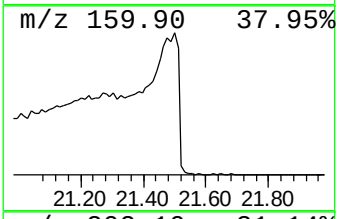


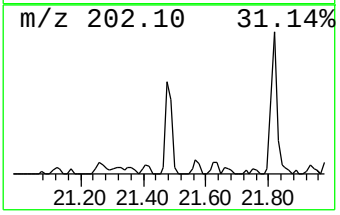












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Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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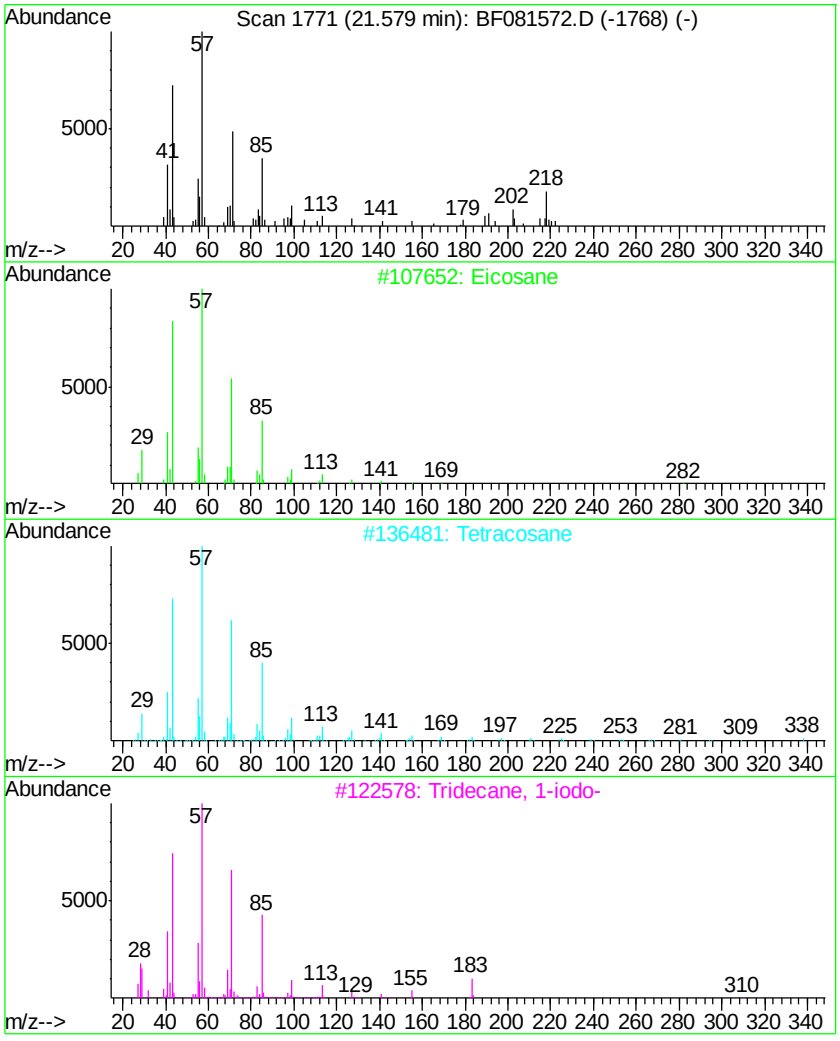
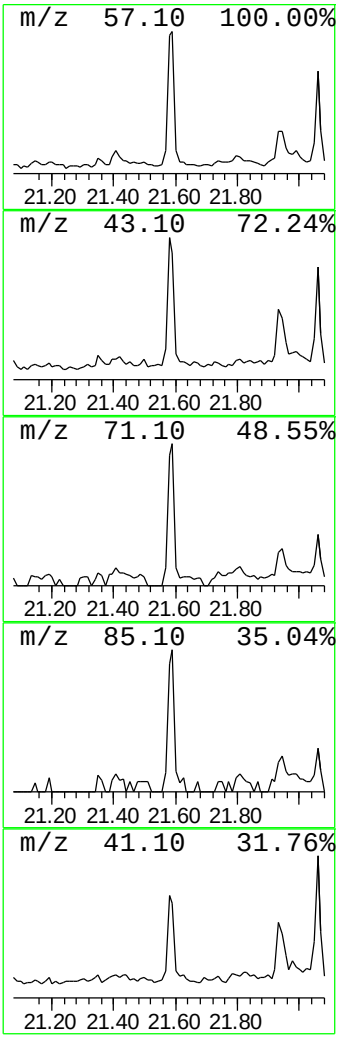
Peak Number 14 Eicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	6.30 ng	105814	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	76
2	Tetracosane	338	C24H50	000646-31-1	68
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	68
4	Pentadecane	212	C15H32	000629-62-9	64
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64





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Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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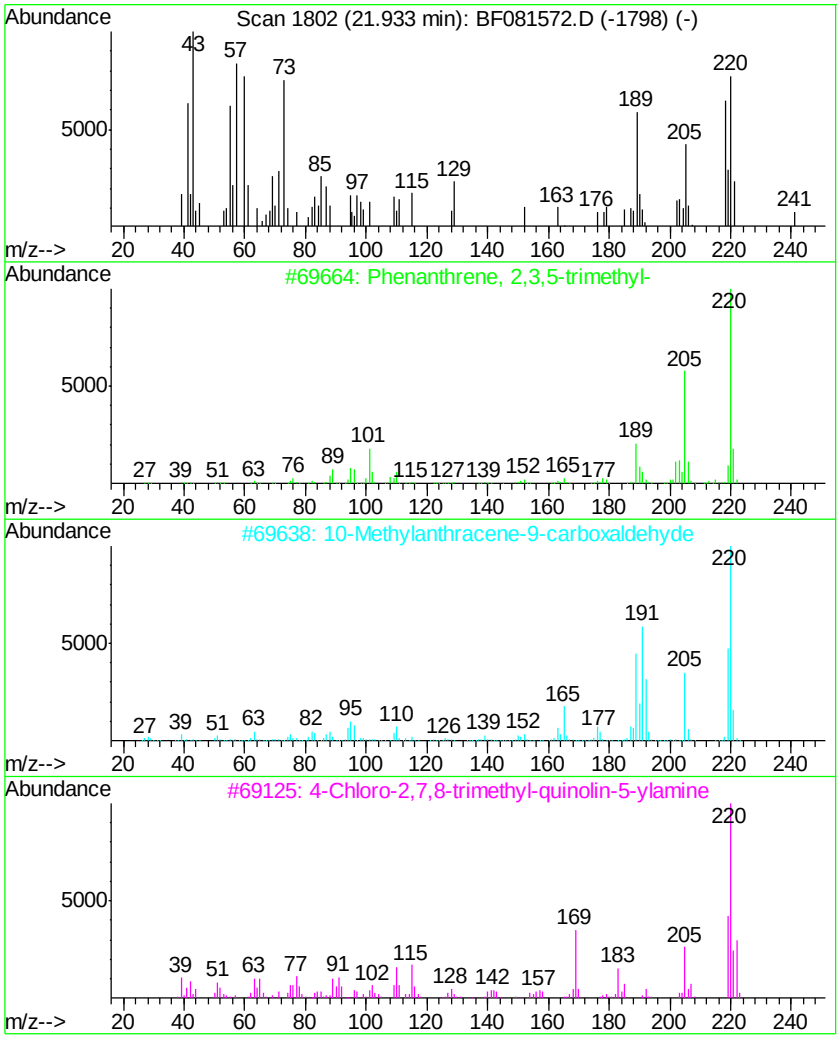
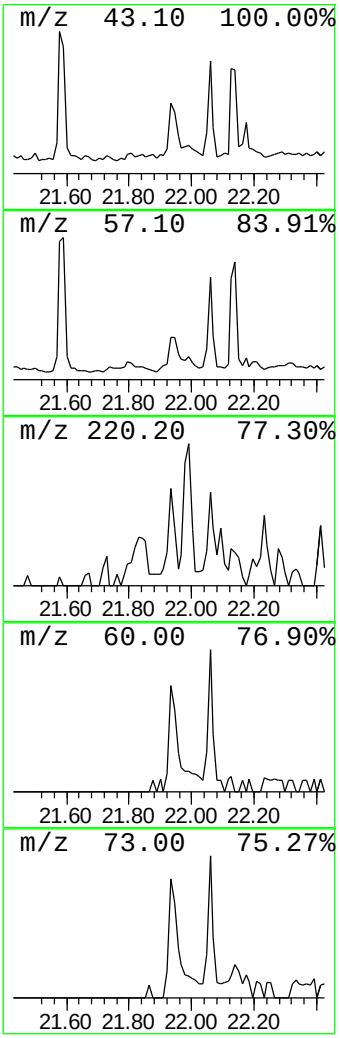
Peak Number 15 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	5.36 ng	90162	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	80
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	30
3	4-Chloro-2,7,8-trimethyl-quinoli...	220	C12H13ClN2	1000297-14-4	22
4	Methanone, (2-amino-5-chlorophen...	220	C11H9ClN2O	074978-28-2	18
5	Tridecanoic acid	214	C13H26O2	000638-53-9	18





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Sample : G3497-04
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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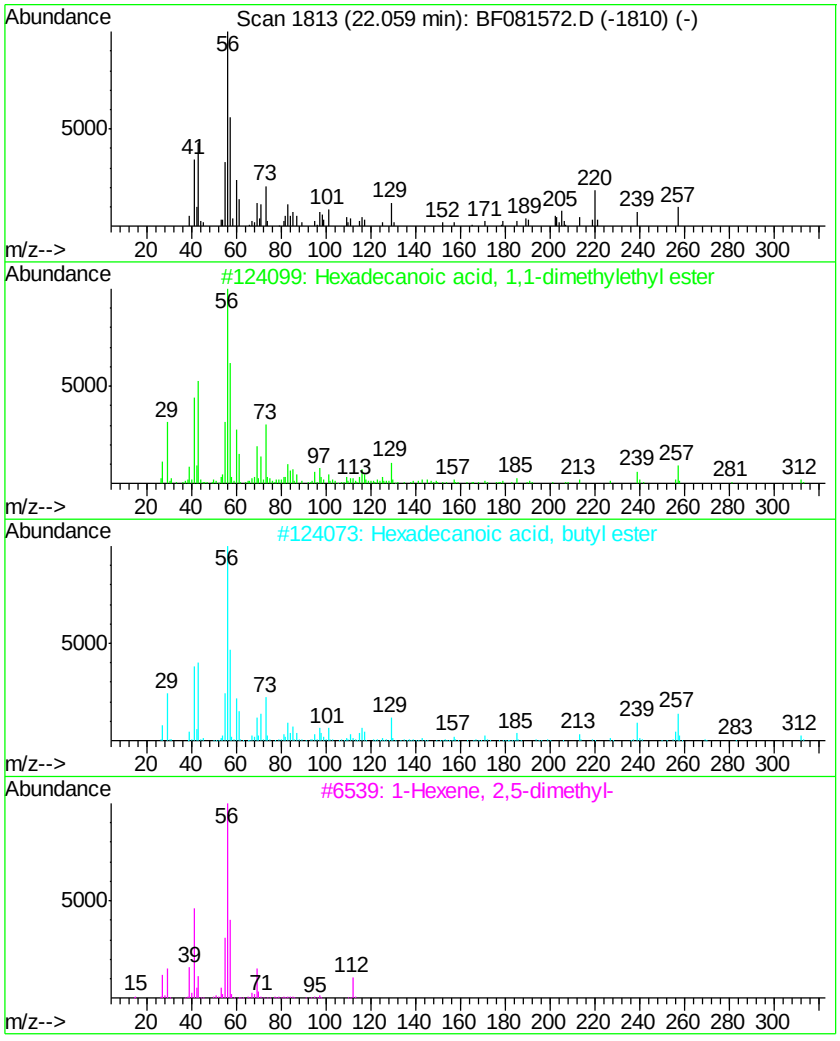
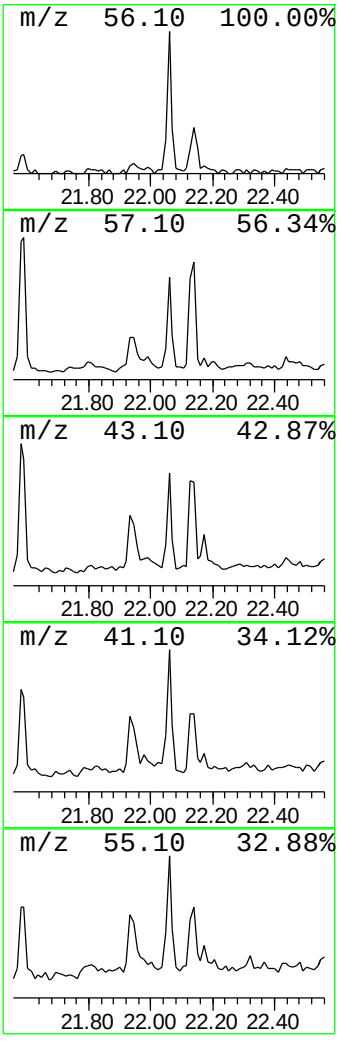
Peak Number 16 Hexadecanoic acid, 1,1-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.06	6.34 ng	106527	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	87
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	81
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	35
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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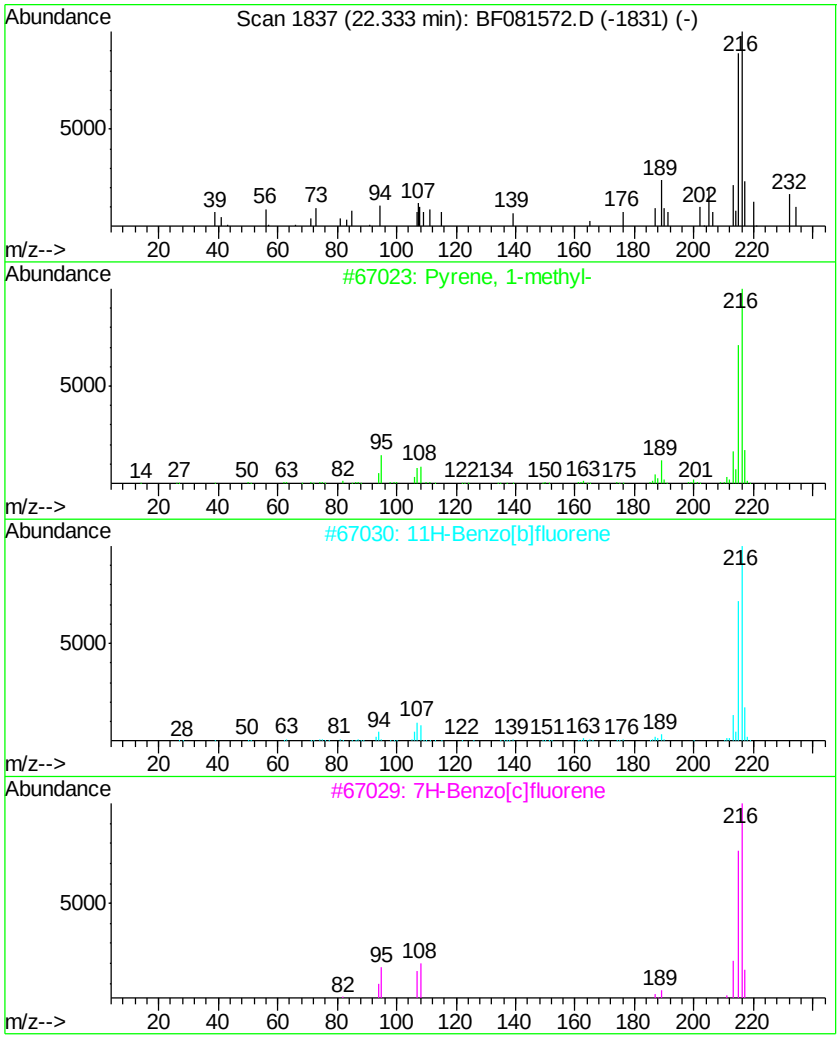
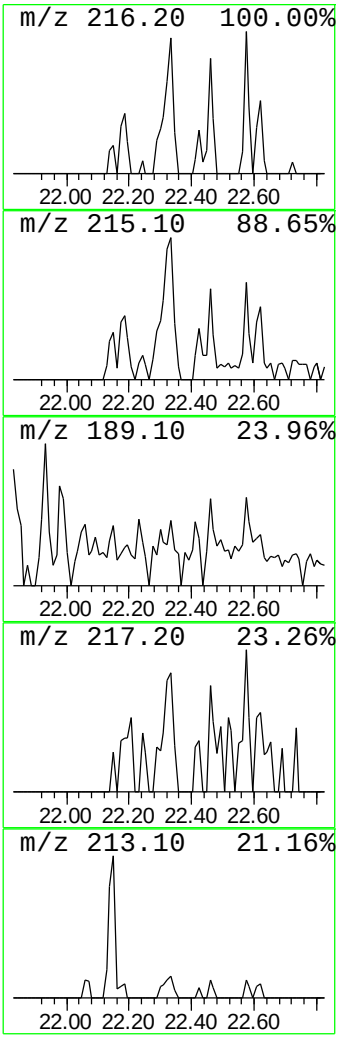
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	4.24 ng	71259	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	59
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	50
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50





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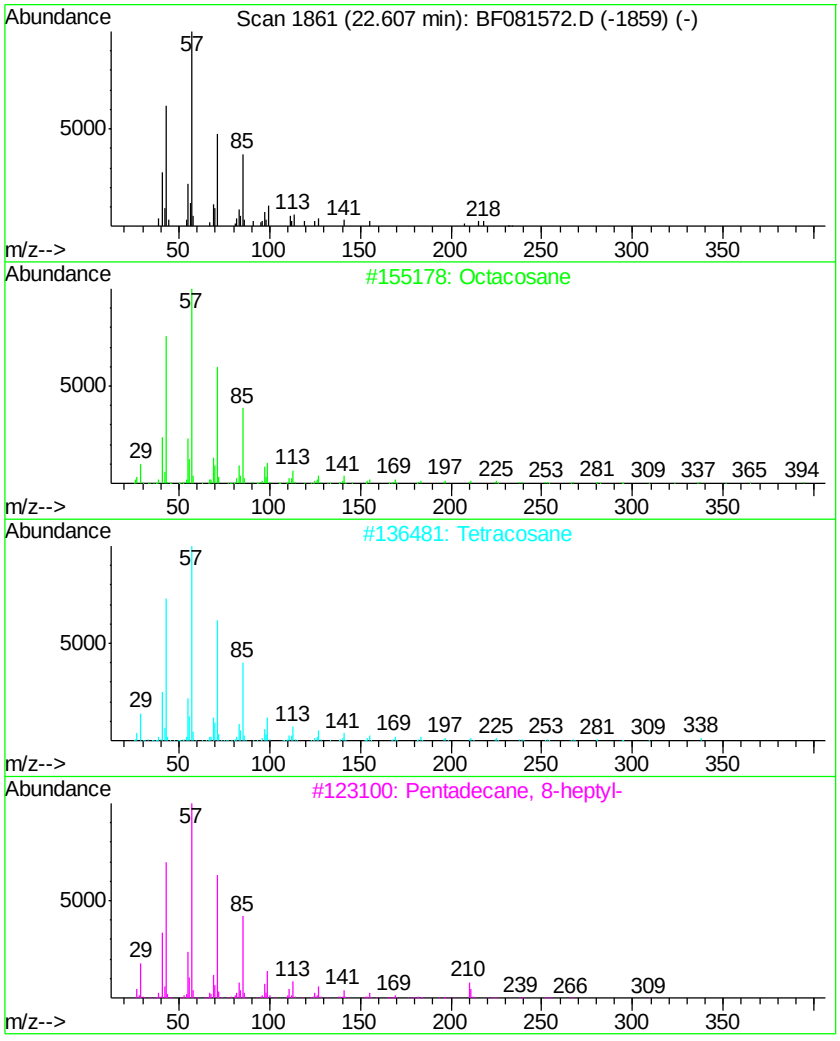
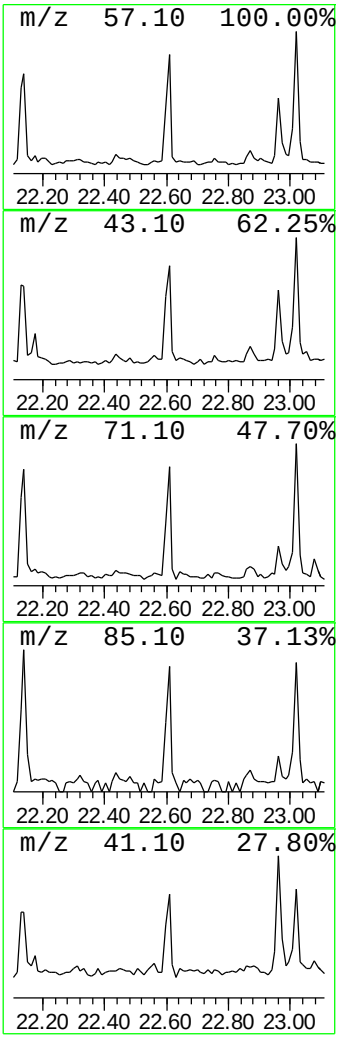
Peak Number 18 Octacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.61	3.99 ng	67022	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
4	Heptacosane	380	C27H56	000593-49-7	87
5	Heneicosane	296	C21H44	000629-94-7	87





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Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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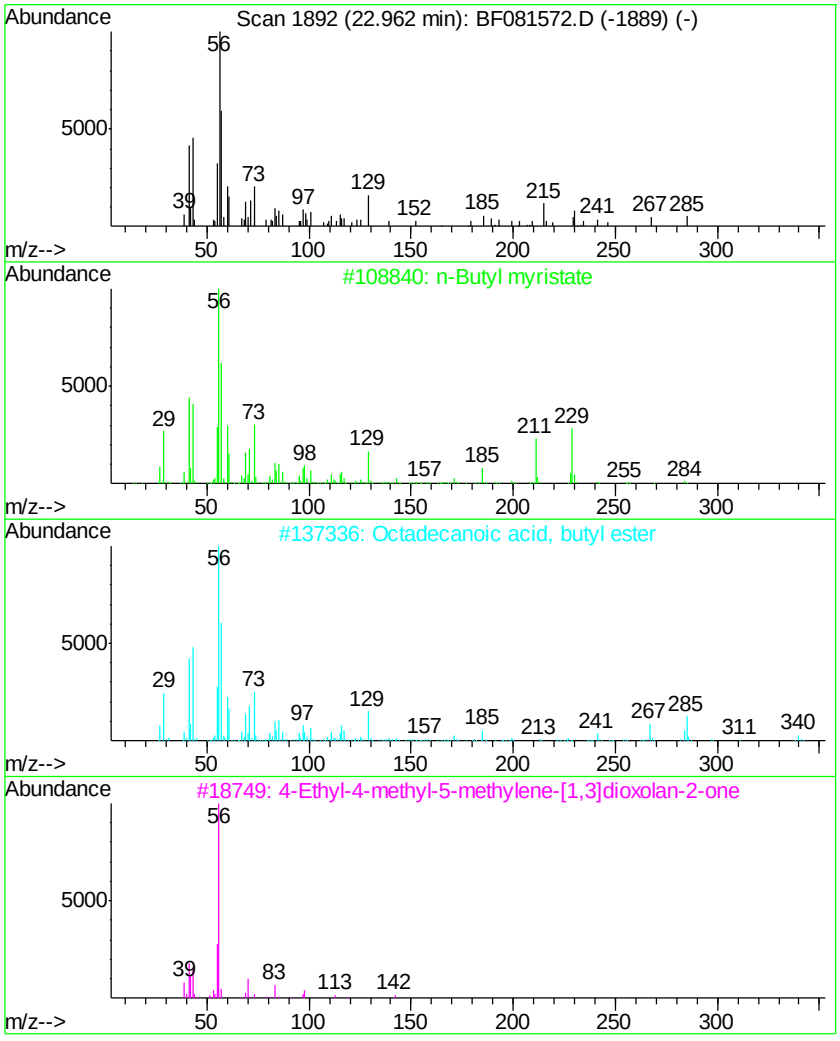
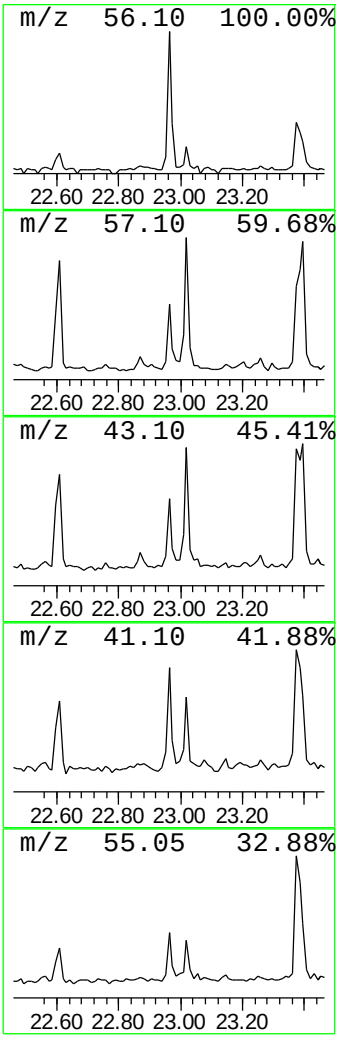
Peak Number 19 n-Butyl myristate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	7.78 ng	130775	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyl myristate	284	C18H36O2	000110-36-1	83
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	72
3	4-Ethyl-4-methyl-5-methylene-[1,...	142	C7H10O3	080956-52-1	38
4	Cyclohexanol, 4-amino-, trans-	115	C6H13NO	027489-62-9	38
5	Urea, N,N'-di-2-propenyl-	140	C7H12N2O	001801-72-5	38





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Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

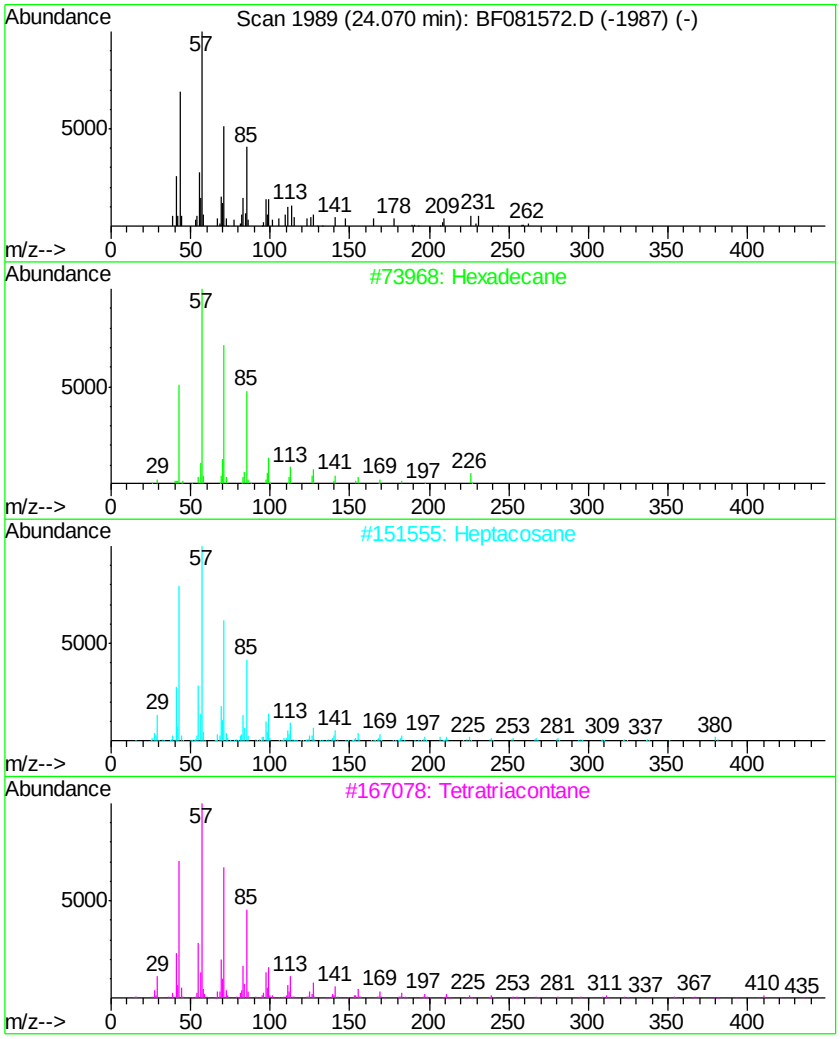
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

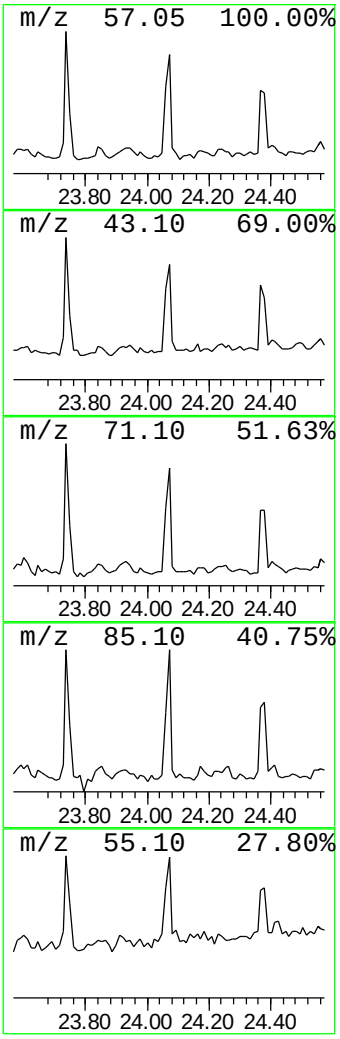
****

Peak Number 20 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	4.05 ng	68141	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Heptacosane	380	C27H56	000593-49-7	90
3	Tetratriacontane	479	C34H70	014167-59-0	90
4	Tetratetracontane	619	C44H90	007098-22-8	90
5	10-Methylnonadecane	282	C20H42	056862-62-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
Data File : BF081572.D
Acq On : 10 Sep 2015 17:52
Operator : UM/IZ
Sample : G3497-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, methyl-	1.87	4.6	ng	74401	1	8.26	324728	20.0
2-Pentanone, 4-hy...	4.61	78.9	ng	1281110	1	8.26	324728	20.0
unknown7.78	7.78	120.6	ng	1957620	1	8.26	324728	20.0
Naphthalene, 2,3-...	14.54	5.9	ng	124210	3	15.29	423282	20.0
Naphthalene, 1,6-...	14.60	4.0	ng	85020	3	15.29	423282	20.0
Pentadecane, 2,6,...	17.88	10.2	ng	228159	4	18.80	445683	20.0
Phenanthrene, 2-m...	20.10	4.5	ng	100946	4	18.80	445683	20.0
Pentadecanoic acid	20.57	10.0	ng	221998	4	18.80	445683	20.0
Hexadecane	20.92	4.3	ng	95631	4	18.80	445683	20.0
Cyclic octaatomic...	21.48	82.5	ng	1386350	5	23.41	336152	20.0
Eicosane	21.58	6.3	ng	105814	5	23.41	336152	20.0
Phenanthrene, 2,3...	21.93	5.4	ng	90162	5	23.41	336152	20.0
Hexadecanoic acid...	22.06	6.3	ng	106527	5	23.41	336152	20.0
Pyrene, 1-methyl-	22.33	4.2	ng	71259	5	23.41	336152	20.0
Octacosane	22.61	4.0	ng	67022	5	23.41	336152	20.0
n-Butyl myristate	22.96	7.8	ng	130775	5	23.41	336152	20.0
Heptacosane	24.07	4.0	ng	68141	5	23.41	336152	20.0