LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

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-BF120815.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	3.973	198	200	206	rBV	120638	332275	1.56%	0.137%
2	4.361	230	234	237	rBV3	127694	270222	1.27%	0.111%
3	4.533	246	249	253	rBV3	157430	262991	1.23%	0.108%
4	4.613	253	256	258	rBV2	135930	272907	1.28%	0.112%
5	4.670	258	261	265	rVB	380523	643016	3.02%	0.264%
6	4.738	265	267	272	rBV	253857	567182	2.66%	0.233%
7	4.898	278	281	284	rBV3	114727	342402	1.61%	0.141%
8	5.013	289	291	299	rBV3	246009	761518	3.57%	0.313%
9	5.138	299	302	304	rBV2	132994	284714	1.34%	0.117%
10	5.184	304	306	310	rBV5	221438	575058	2.70%	0.236%
11	5.264	310	313	316	rBV2	302562	620622	2.91%	0.255%
12	5.344	316	320	322	rBV3	311206	697744	3.27%	0.287%
13	5.390	322	324	328	rVB2	416913	774963	3.64%	0.319%
14	5.470	328	331	337	rBV3	282106	712411	3.34%	0.293%
15	5.619	337	344	348	rBV6	609145	2265763	10.63%	0.931%
16	5.687	348	350	353	rBV2	477370	941928	4.42%	0.387%
17	5.801	357	360	362	rBV2	442878	884917	4.15%	0.364%
18	5.836	362	363	365	rVB2	167979	224314	1.05%	0.092%
19	5.893	365	368	369	rBV2	776469	1556079	7.30%	0.640%
20	5.927	369	371	376	rVB3	891768	1807450	8.48%	0.743%
21	6.053	376	382	384	rBV3	898464	1845955	8.66%	0.759%
22	6.099	384	386	390	rVB4	403822	881179	4.13%	0.362%
23	6.190	390	394	395	rBV3	415355	792205	3.72%	0.326%
24	6.224	395	397	401	rVB2	881301	1517914	7.12%	0.624%
25	6.293	401	403	406	rBV2	411181	863318	4.05%	0.355%
26	6.396	410	412	413	rBV	412095	681678	3.20%	0.280%
27	6.441	413	416	417	rVB2	250516	361824	1.70%	0.149%
28	6.476	417	419	423	rBV2	842551	1954421	9.17%	0.803%
29	6.647	430	434	437	rVB4	849807	2222218	10.43%	0.913%
30	6.784	444	446	449	rBV2	1011166	1835702	8.61%	0.755%
31	6.853	449	452	455	rBV2	1616810	4325163	20.30%	1.778%
32	6.899	455	456	459	rVB	652602	774535	3.63%	0.318%
33	7.036	465	468	473	rBV4	2114106	5351804	25.11%	2.200%
34	7.196	479	482	485	rBV3	447636	1214870	5.70%	0.499%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

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-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.379	495	498	499	rBV2	615594	1228756	5.77%	0.505%
36	7.447	502	504	507	rVV2	636923	1779080	8.35%	0.731%
37	7.607	512	518	520	rBV5	1910221	6857689	32.18%	2.819%
38	7.813	530	536	540	rBV2	3106115	10297089	48.32%	4.233%
39	7.950	544	548	553	rBV5	1624636	5564790	26.11%	2.287%
40	8.133	561	564	568	rVB4	1270503	2932838	13.76%	1.206%
41	8.224	569	572	578	rVV4	1047982	2988838	14.03%	1.229%
42	8.407	584	588	594	rVB	4074070	11612775	54.49%	4.773%
43	8.910	629	632	635	rBV	2085932	6426204	30.15%	2.641%
44	9.139	649	652	654	rBV2	1346616	2901296	13.61%	1.193%
45	10.133	732	739	744	rVB3	5481502	21310643	100.00%	8.760%
46	10.225	744	747	749	rVV3	1681997	4007594	18.81%	1.647%
47	10.293	750	753	757	rVB2	3217559	7579791	35.57%	3.116%
48	10.636	780	783	786	rVB	1553665	3953184	18.55%	1.625%
49	10.876	802	804	808	rVB2	3342414	7143631	33.52%	2.936%
50	10.990	809	814	816	rBV5	3635788	9800630	45.99%	4.028%
51	11.116	822	825	833	rVB7	2080173	9848209	46.21%	4.048%
52	11.333	841	844	848	rBV3	1986641	4279565	20.08%	1.759%
53	11.425	848	852	854	rBV4	2241213	6170204	28.95%	2.536%
54	11.642	868	871	874	rVB	4830022	10049065	47.16%	4.131%
55	12.088	905	910	913	rBV2	6844764	20251756	95.03%	8.324%
56	12.202	918	920	921	rBV	1059983	1632627	7.66%	0.671%
57	12.408	936	938	940	rVB2	1508451	2054445	9.64%	0.844%
58	12.453	940	942	948	rVB4	1354356	2405639	11.29%	0.989%
59	12.831	970	975	980	rBV2	5366549	13180844	61.85%	5.418%
60	13.379	1020	1023	1032	rVB4	2070729	7046426	33.07%	2.896%
61	13.654	1044	1047	1048	rBV	1015021	1887181	8.86%	0.776%
62	13.699	1048	1051	1056	rVB2	1845737	4265041	20.01%	1.753%
63	13.825	1059	1062	1063	rBV2	811235	1598305	7.50%	0.657%
64	14.374	1108	1110	1113	rVB	972442	1752908	8.23%	0.721%
65	14.431	1113	1115	1117	rBV	773444	1010505	4.74%	0.415%
66	14.545	1122	1125	1127	rBV	1699929	3594623	16.87%	1.478%
67	14.671	1134	1136	1140	rVB2	848856	1564346	7.34%	0.643%
68	14.877	1151	1154	1156	rBV2	640212	1137025	5.34%	0.467%
69	15.208	1181	1183	1186	rVB2	688916	1209283	5.67%	0.497%
70	15.265	1186	1188	1191	rBV	667242	1039425	4.88%	0.427%
71	16.991	1336	1339	1344	rVB	558531	868861	4.08%	0.357%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

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-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.626	1481	1482	1486	rVB	418127	630467	2.96%	0.259%

Sum of corrected areas: 243282840

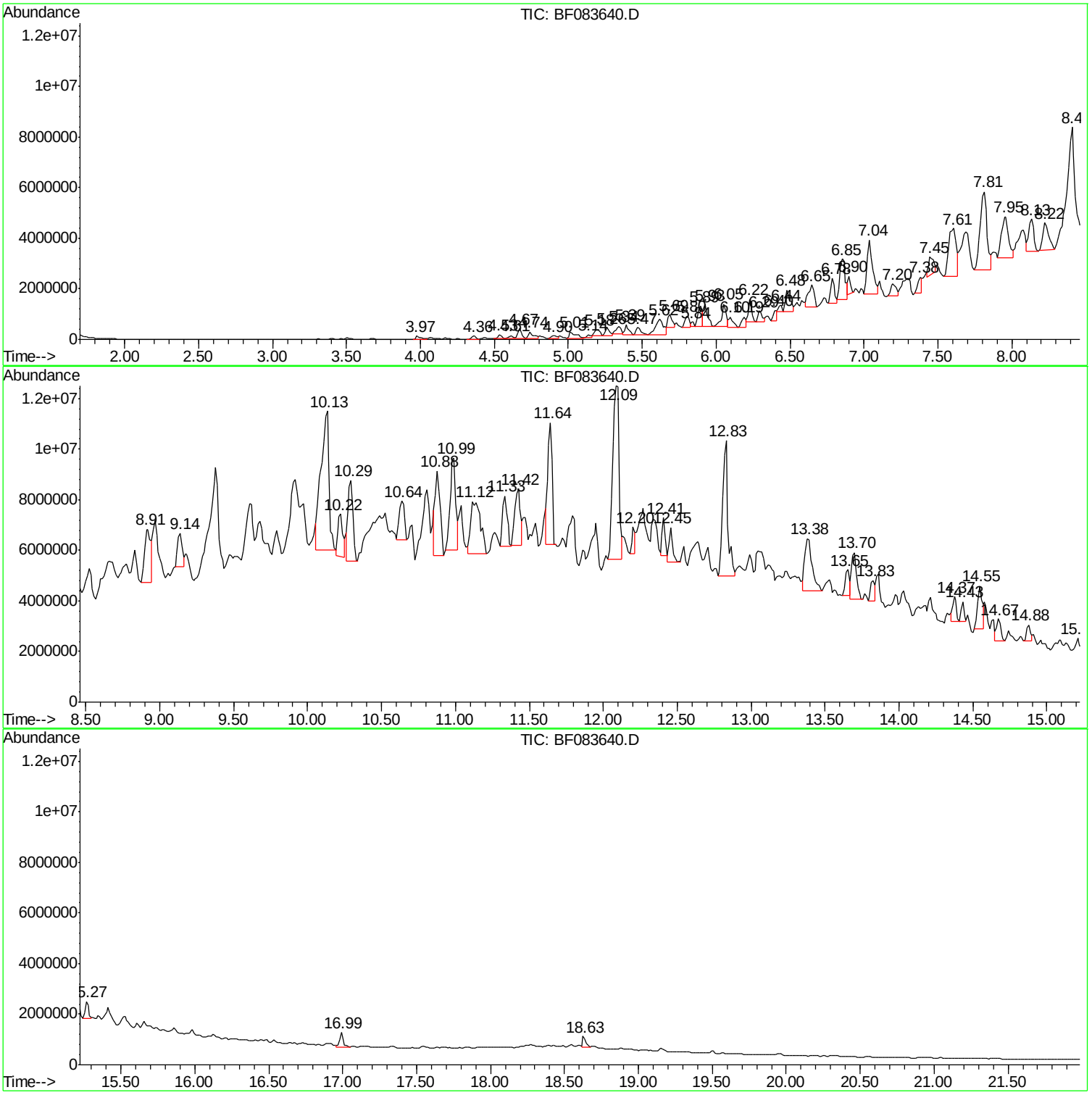
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

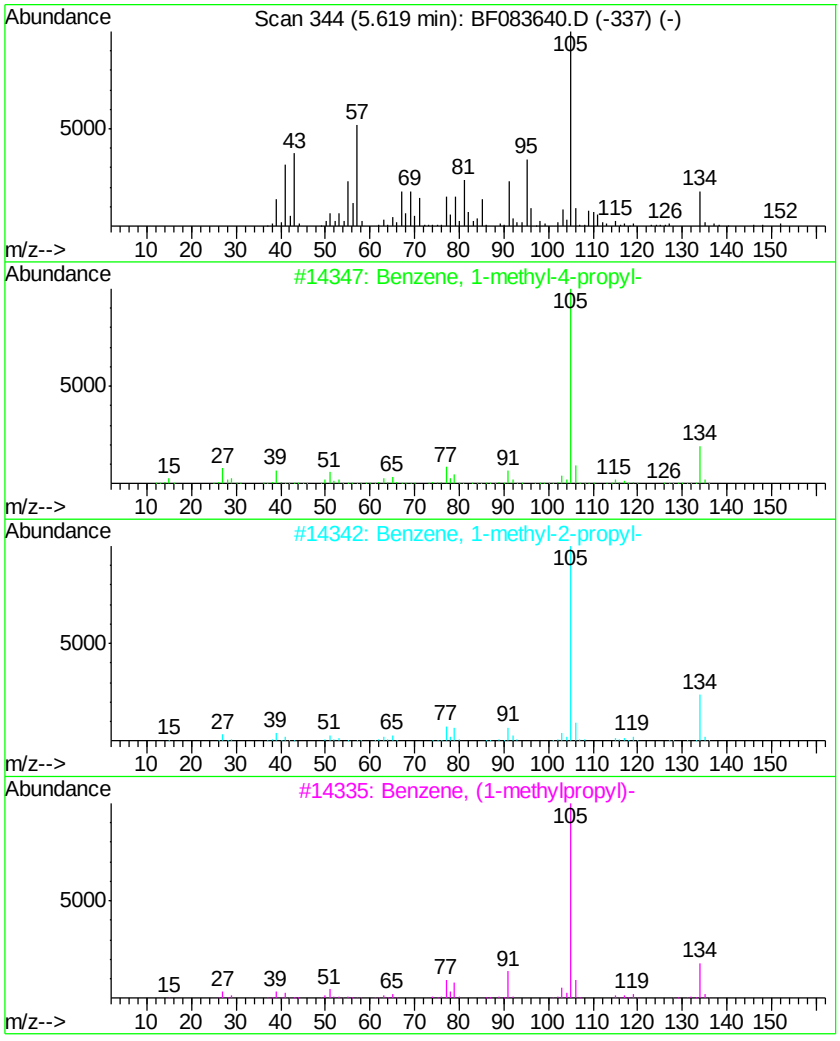
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

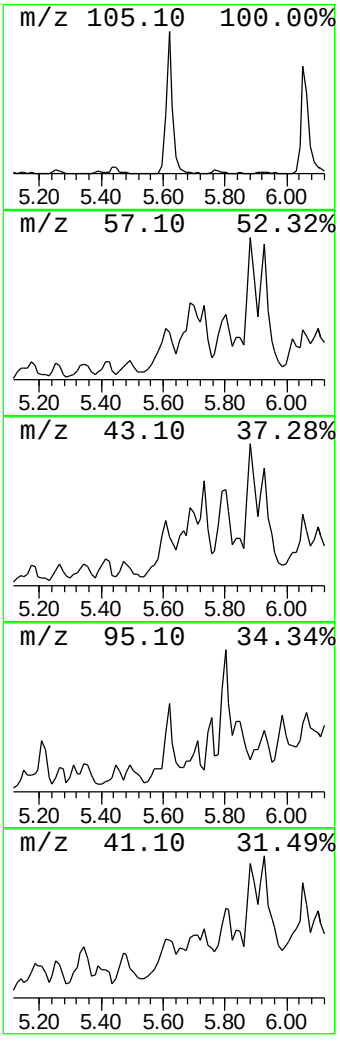
****

Peak Number 1 unknown5.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	48.11 ng	2265760	1,4-Dichlorobenzene-d4	5.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	41
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	41
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	41
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	41
5	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

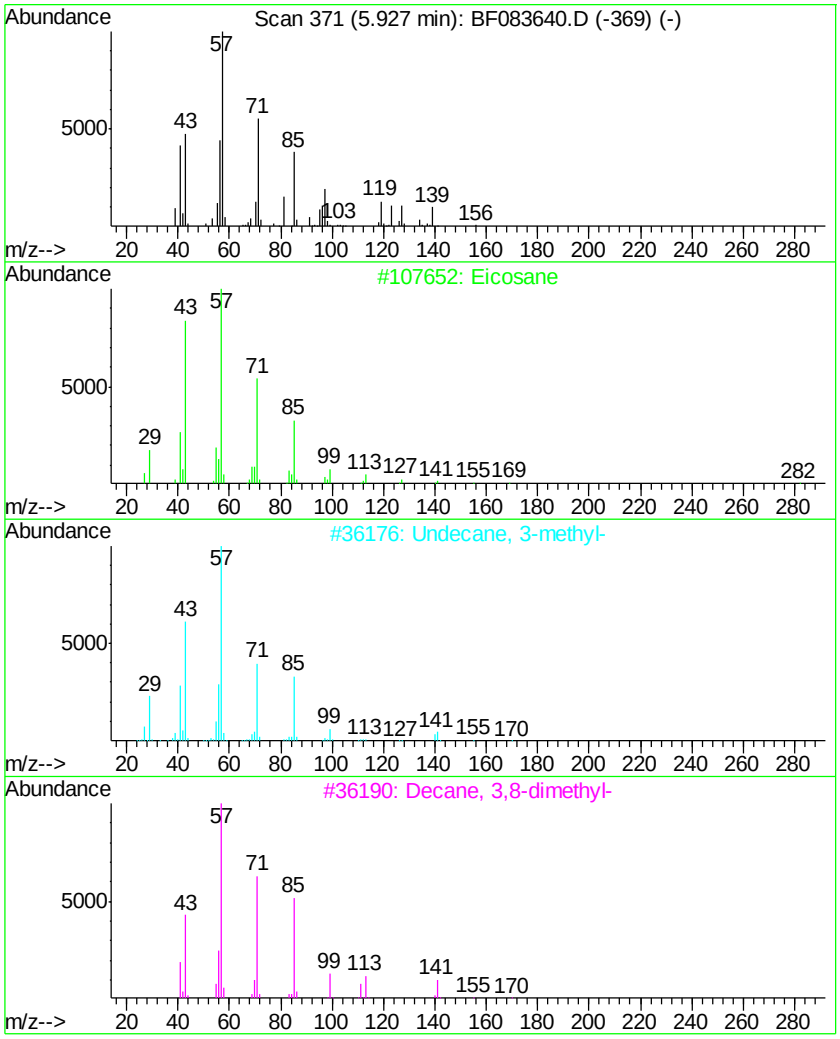
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

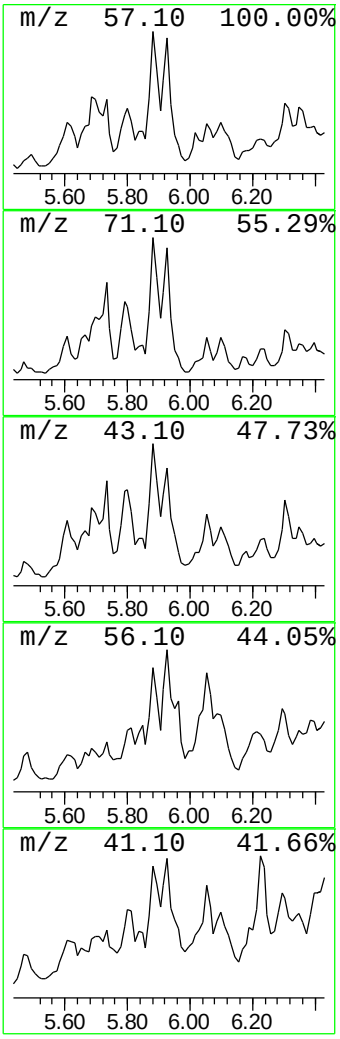
****

Peak Number 3 unknown5.93 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	38.38 ng	1807450	1,4-Dichlorobenzene-d4	5.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	43
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	43
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	38
4	Nonadecane	268	C19H40	000629-92-5	38
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

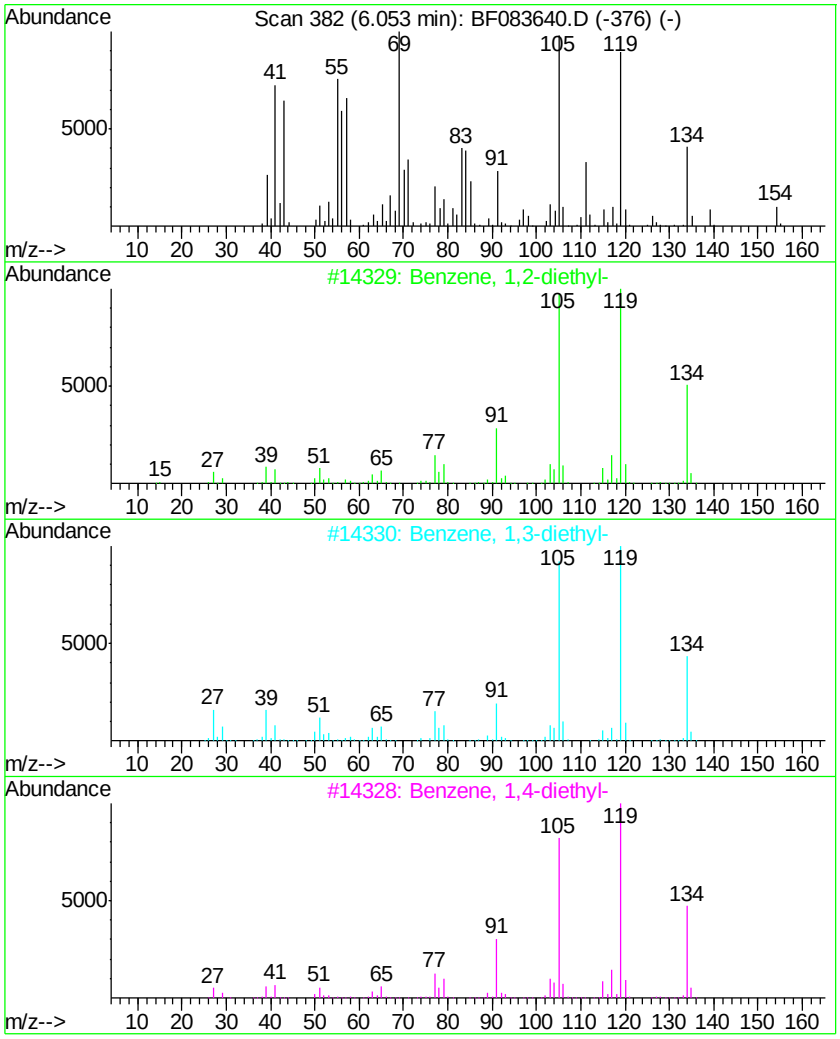
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

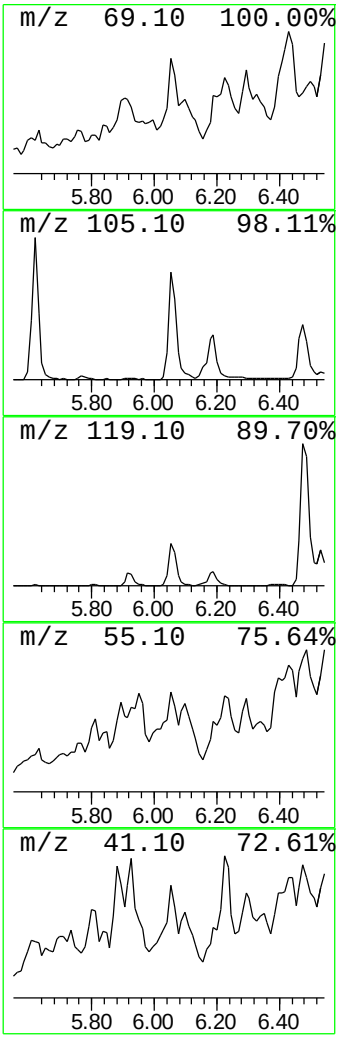
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	39.20 ng	1845960	1,4-Dichlorobenzene-d4	5.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	74
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	74
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	74
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	41
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

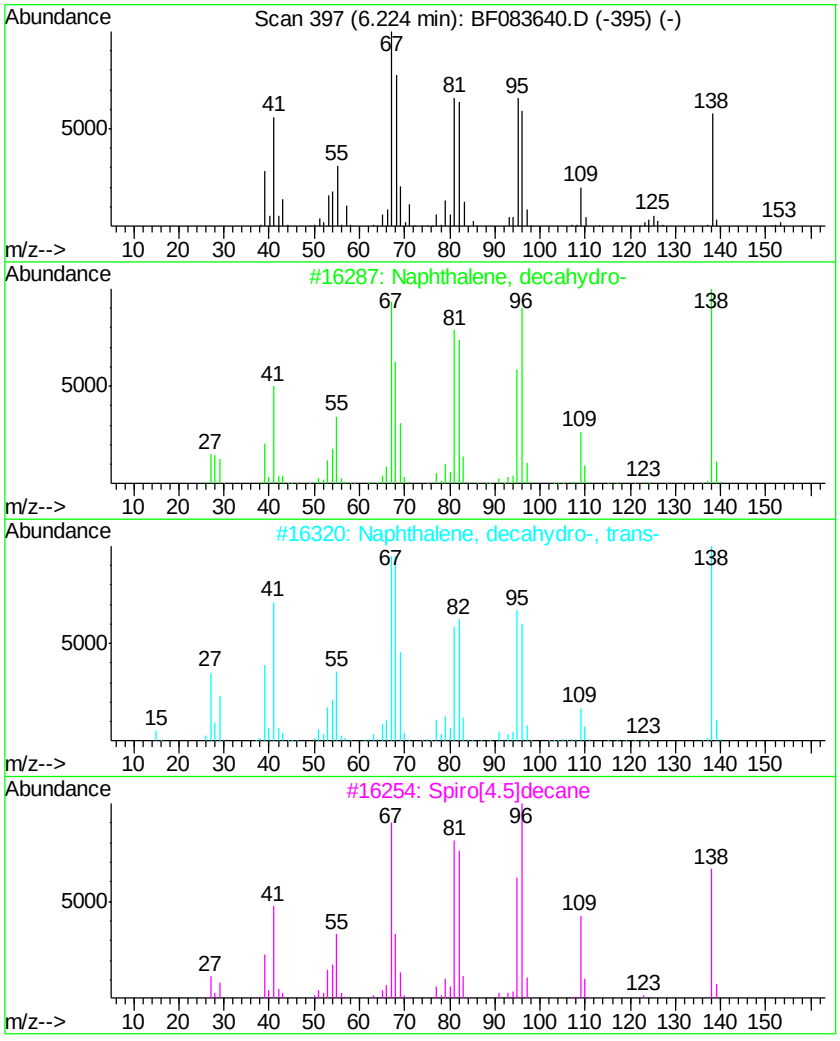
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

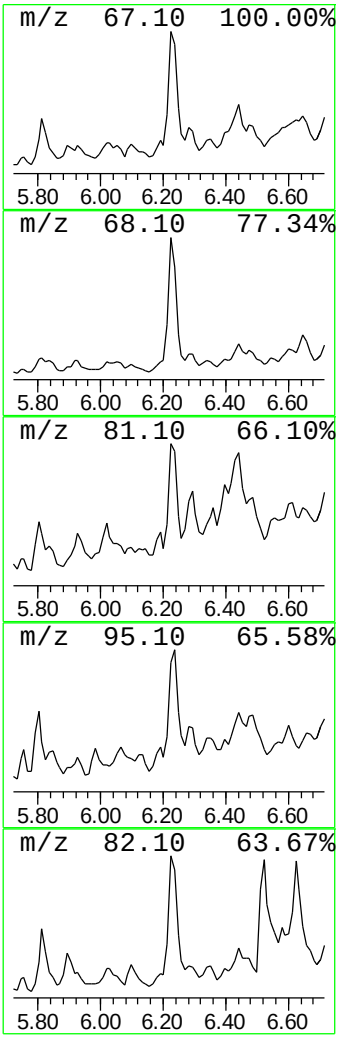
****

Peak Number 5 Naphthalene, decahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	32.23 ng	1517910	1,4-Dichlorobenzene-d4	5.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
3	Spiro[4.5]decane	138	C10H18	000176-63-6	89
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	87
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

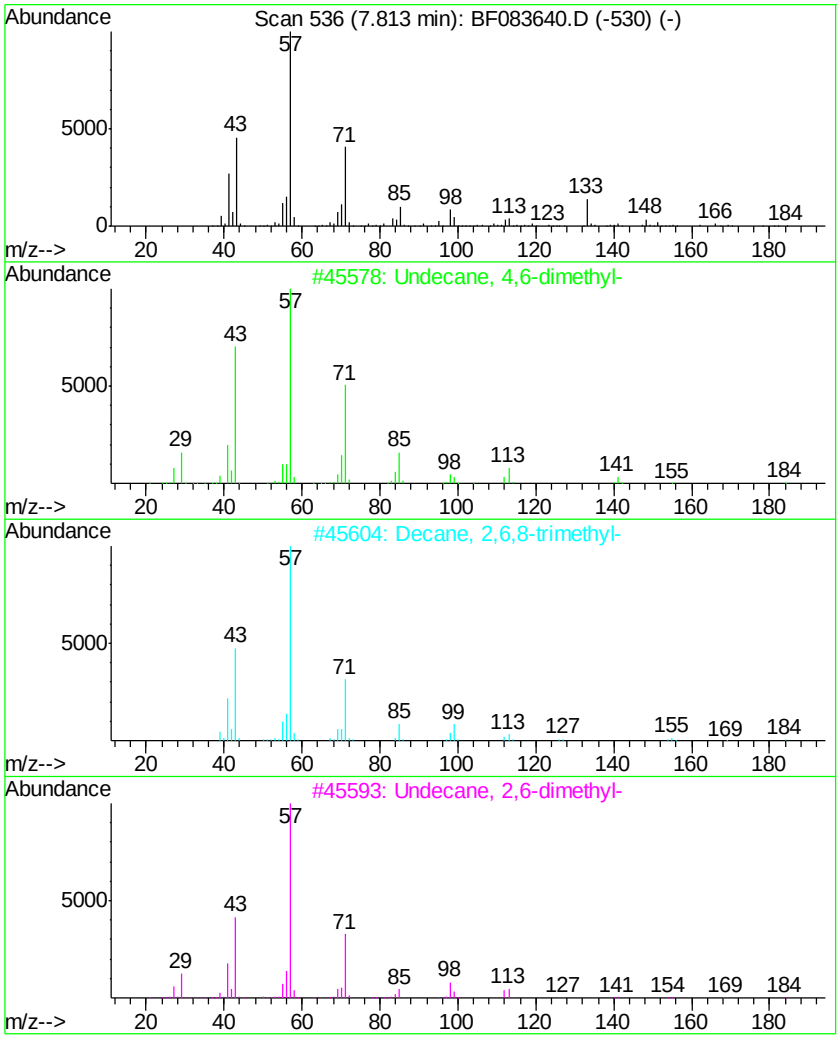
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

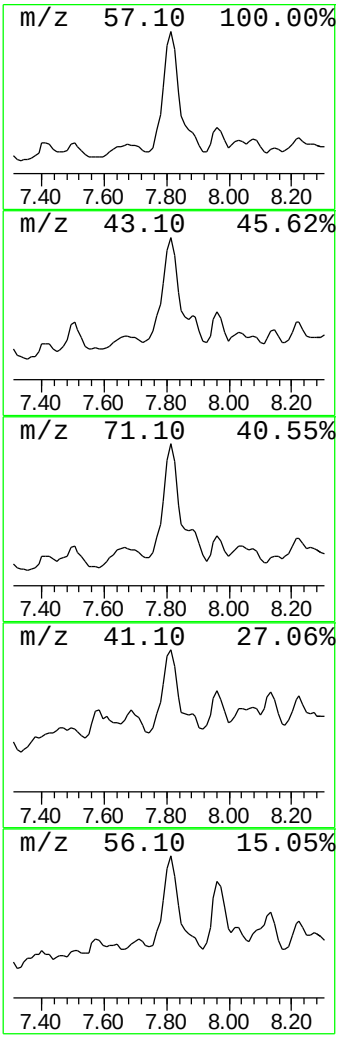
****

Peak Number 6 Undecane, 4,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	30.03 ng	10297100	Naphthalene-d8	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	74
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	74
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	59
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

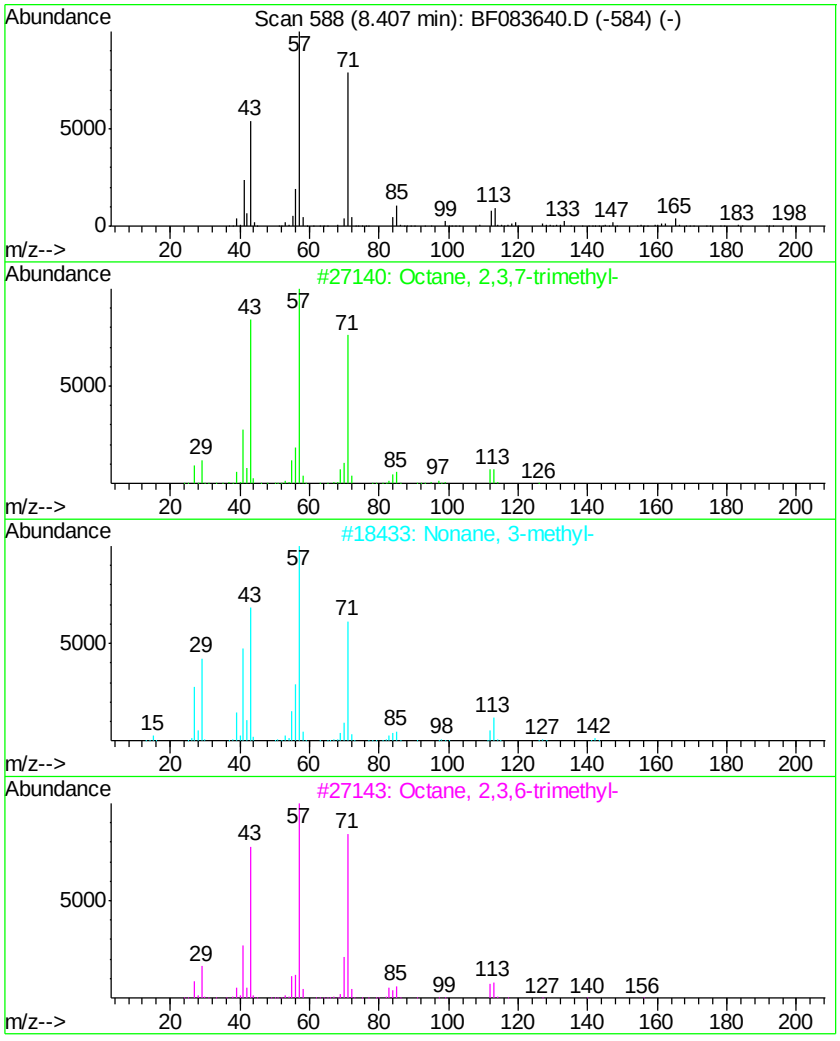
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

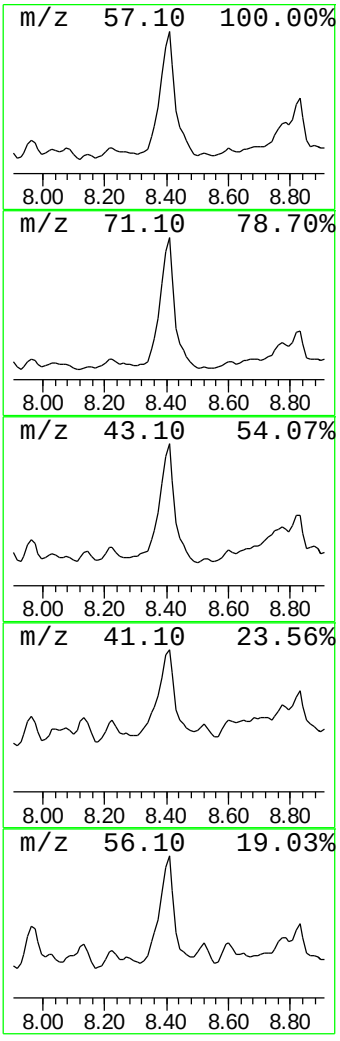
****

Peak Number 7 Octane, 2,3,7-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	33.87 ng	11612800	Naphthalene-d8	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	64
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	56
5	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

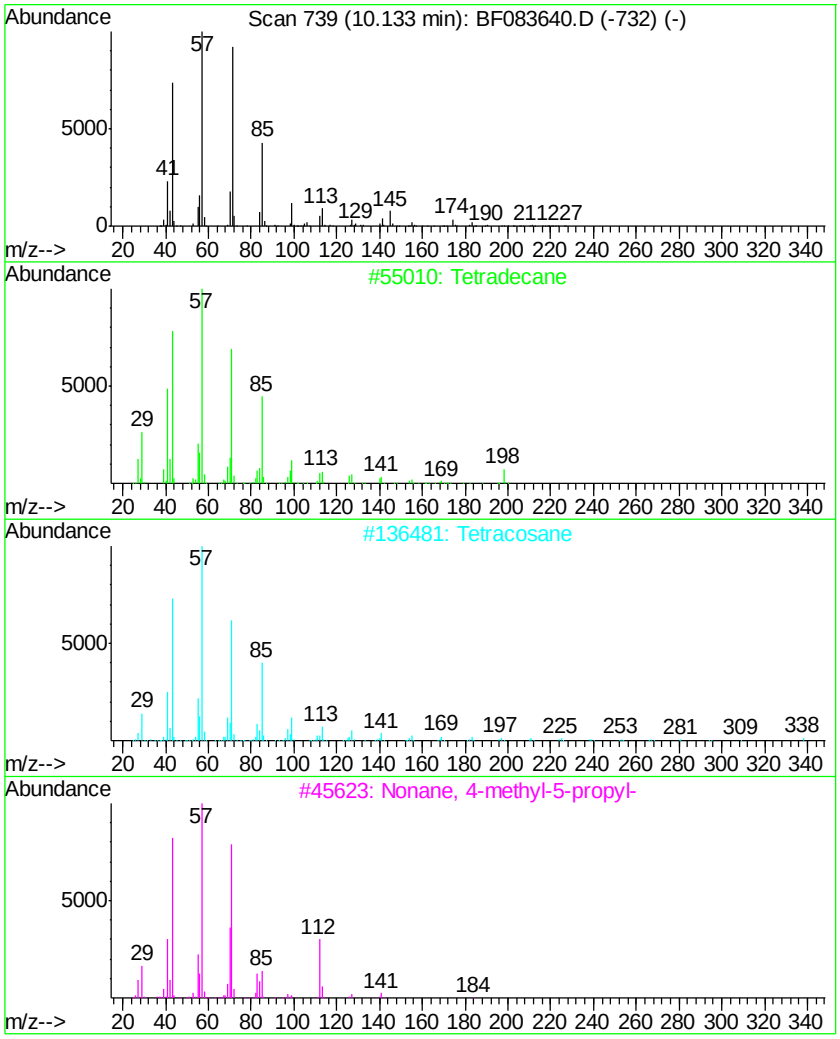
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

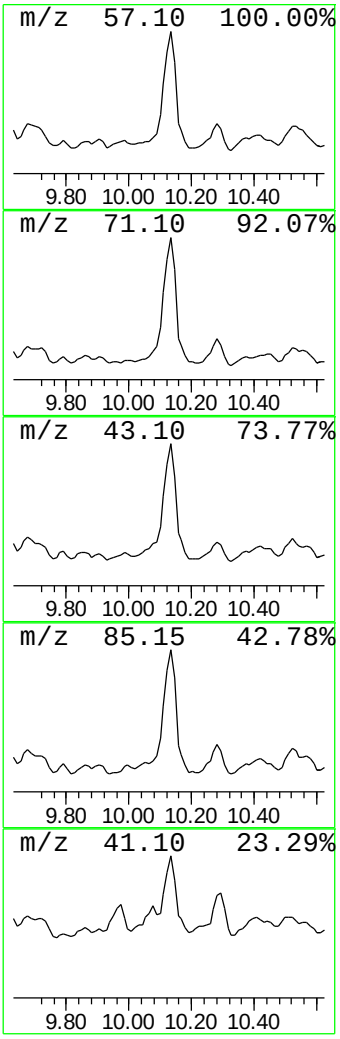
****

Peak Number 8 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	56.23 ng	21310600	Acenaphthene-d10	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Tetracosane	338	C24H50	000646-31-1	78
3	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	70
4	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	64
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59





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Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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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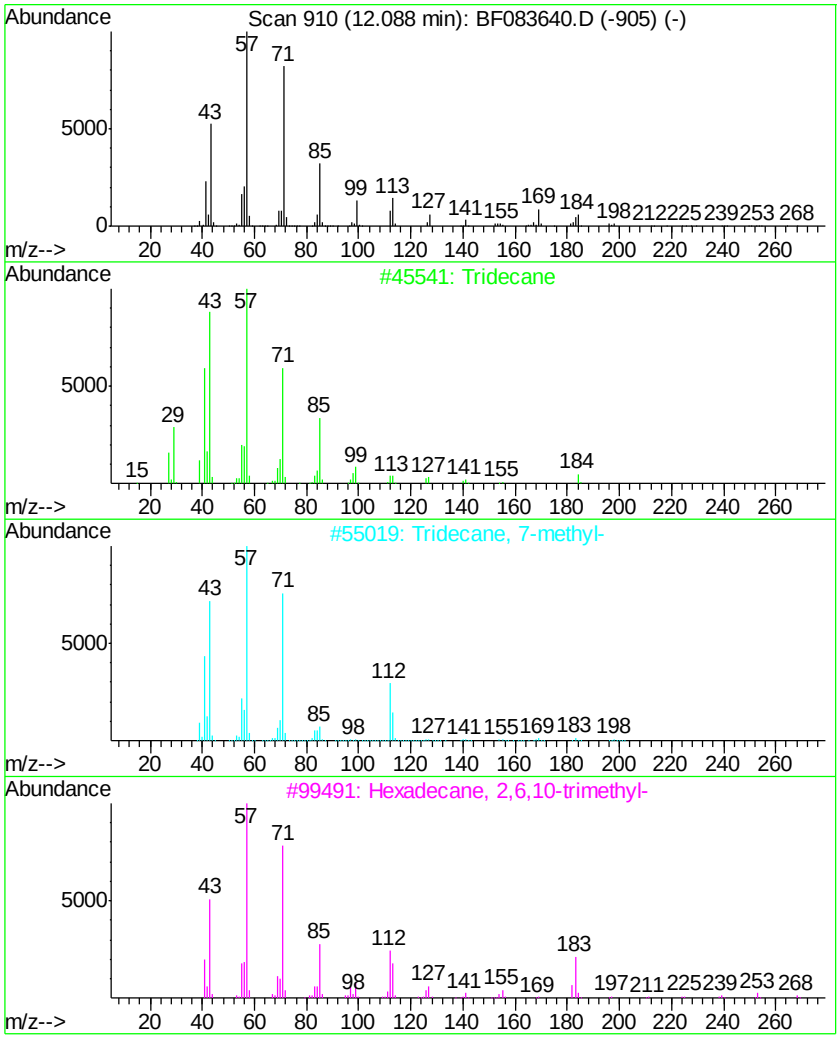
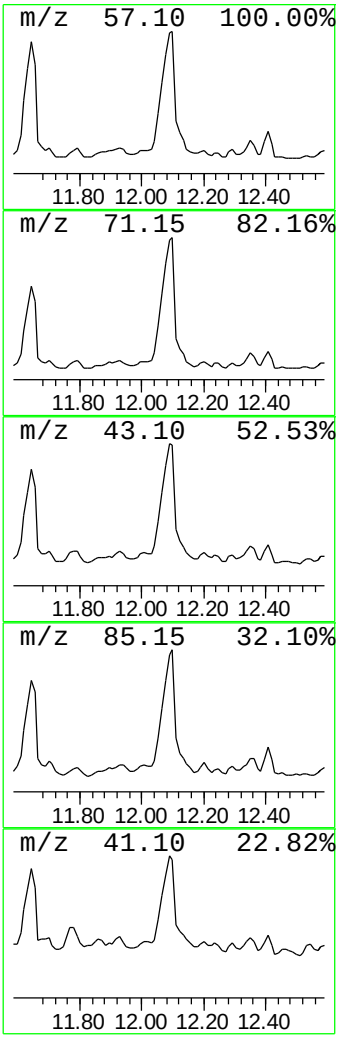
Peak Number 9 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	30.73 ng	20251800	Phenanthrene-d10	12.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
3	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	81
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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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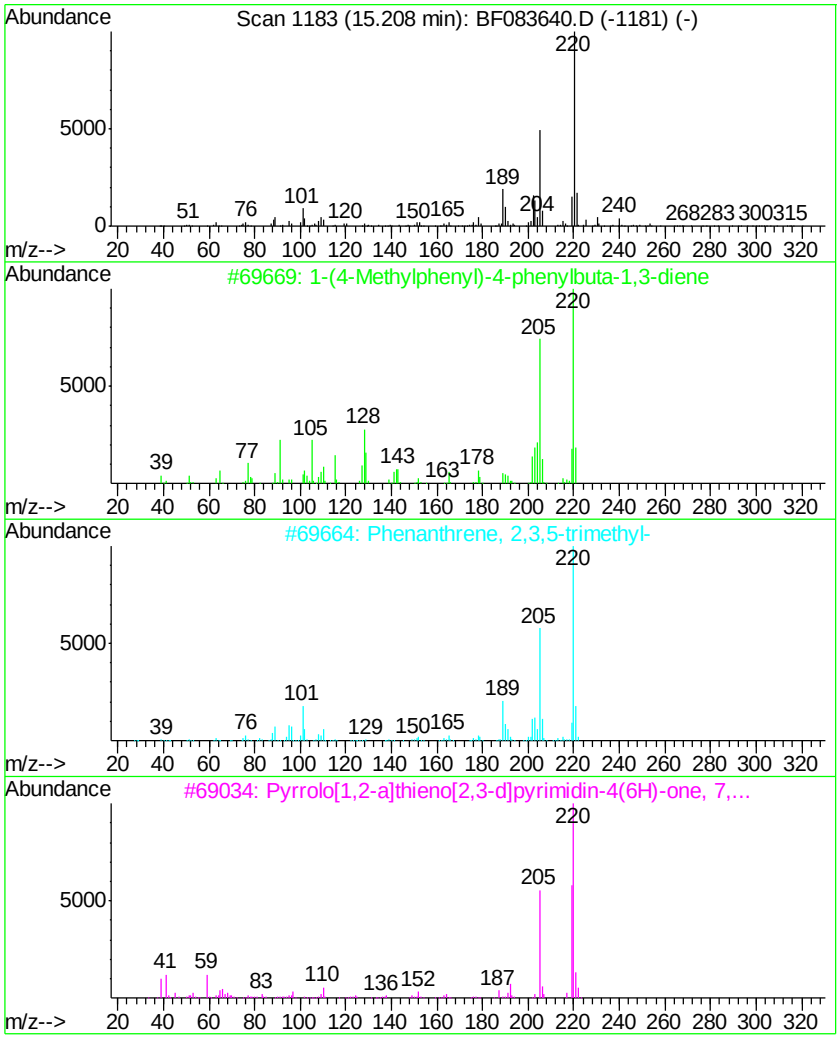
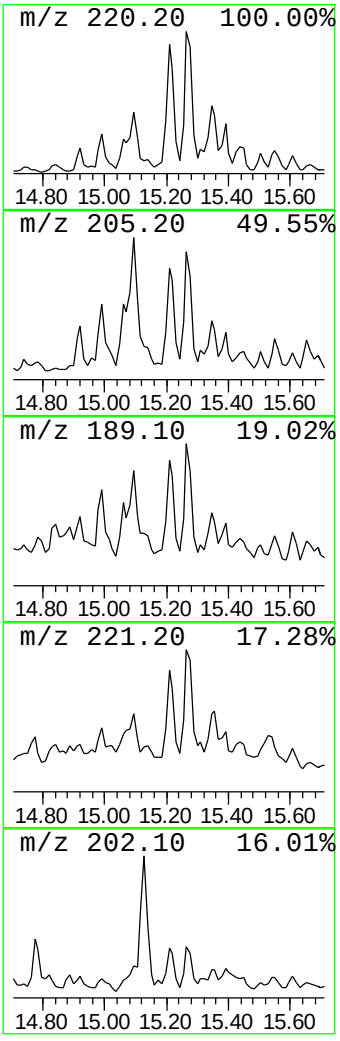
Peak Number 10 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	27.84 ng	1209280	Chrysene-d12	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	87
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	86
3	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	59
4	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	59
5	2-Thiophenecarboxaldehyde, (2-th...	220	C10H8N2S2	024523-46-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
Data File : BF083640.D
Acq On : 9 Dec 2015 15:26
Operator : UM/IZ
Sample : G4561-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB29B(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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
unknown5.62	5.62	48.1	ng	2265760	1	5.69	941928	20.0
unknown5.93	5.93	38.4	ng	1807450	1	5.69	941928	20.0
Benzene, 1,2-diet...	6.05	39.2	ng	1845960	1	5.69	941928	20.0
Naphthalene, deca...	6.22	32.2	ng	1517910	1	5.69	941928	20.0
Undecane, 4,6-dim...	7.81	30.0	ng	10297100	2	7.60	6857690	20.0
Octane, 2,3,7-tri...	8.41	33.9	ng	11612800	2	7.60	6857690	20.0
Tetradecane	10.13	56.2	ng	21310600	3	10.43	7579790	20.0
Tridecane	12.09	30.7	ng	20251800	4	12.82	13180800	20.0
1-(4-Methylphenyl...	15.21	27.8	ng	1209280	5	16.99	868861	20.0