LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

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-BF072716.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	1.667	5	7	46	rVB	880262	2006172	15.74%	1.253%
2	3.827	192	196	201	rBV	88918	172390	1.35%	0.108%
3	4.376	242	244	246	rBV	129051	174674	1.37%	0.109%
4	4.479	250	253	255	rVB	244670	381006	2.99%	0.238%
5	4.536	255	258	260	rBV	210505	288492	2.26%	0.180%
6	4.570	260	261	264	rVB	141903	234966	1.84%	0.147%
7	4.787	277	280	284	rBV2	274646	627984	4.93%	0.392%
8	4.901	288	290	291	rBV	354210	428612	3.36%	0.268%
9	4.924	291	292	295	rVB	319341	402625	3.16%	0.251%
10	4.981	295	297	298	rBV2	117424	151548	1.19%	0.095%
11	5.016	298	300	302	rVB	684965	765400	6.01%	0.478%
12	5.061	302	304	306	rBV	934403	1117674	8.77%	0.698%
13	5.096	306	307	310	rVB	197911	203401	1.60%	0.127%
14	5.187	313	315	317	rBV	354034	556263	4.36%	0.347%
15	5.244	317	320	321	rVB	420093	534641	4.20%	0.334%
16	5.290	321	324	328	rVB2	378457	781962	6.14%	0.488%
17	5.370	328	331	335	rBV	653750	862454	6.77%	0.538%
18	5.462	335	339	342	rBV2	535968	1074294	8.43%	0.671%
19	5.542	344	346	350	rVB3	199585	456247	3.58%	0.285%
20	5.610	350	352	356	rVB2	649421	1446960	11.35%	0.903%
21	5.690	356	359	360	rBV	418901	715621	5.62%	0.447%
22	5.736	360	363	366	rVB3	1625225	3221927	25.28%	2.012%
23	5.793	366	368	376	rVB4	992835	2517766	19.76%	1.572%
24	5.942	376	381	383	rBV3	1061501	2003525	15.72%	1.251%
25	6.010	383	387	389	rBV2	1929873	3497381	27.44%	2.184%
26	6.044	389	390	393	rVB2	1178556	1529611	12.00%	0.955%
27	6.102	393	395	397	rBV	1350057	1753454	13.76%	1.095%
28	6.159	397	400	405	rVB3	1221555	3143252	24.66%	1.962%
29	6.273	405	410	412	rBV3	1585595	4263314	33.45%	2.662%
30	6.342	412	416	423	rVB2	2440295	6109792	47.94%	3.815%
31	6.467	423	427	428	rBV4	810032	1617174	12.69%	1.010%
32	6.547	432	434	442	rVB3	1501796	5171523	40.58%	3.229%
33	6.685	442	446	451	rVB4	1798238	5328700	41.81%	3.327%
34	6.810	451	457	458	rBV5	1106648	3696274	29.00%	2.308%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

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-BF072716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.845	458	460	461	rVV	1304098	1527391	11.98%	0.954%
36	6.913	464	466	471	rVB3	910994	2802431	21.99%	1.750%
37	7.016	471	475	477	rBV	1003135	2412569	18.93%	1.506%
38	7.085	477	481	486	rVB3	1490280	4540985	35.63%	2.835%
39	7.187	487	490	493	rVV4	615316	1421874	11.16%	0.888%
40	7.325	500	502	508	rVB3	1797307	5672689	44.51%	3.542%
41	7.473	509	515	519	rBV4	1595750	7651952	60.04%	4.777%
42	7.576	519	524	529	rVV7	1661515	8255706	64.78%	5.154%
43	7.656	529	531	534	rVB2	1277821	2656908	20.85%	1.659%
44	7.827	540	546	552	rBV5	2196920	12744419	100.00%	7.957%
45	8.033	560	564	567	rBV3	1130109	3543897	27.81%	2.213%
46	8.296	583	587	589	rBV	1642867	4099229	32.16%	2.559%
47	8.662	614	619	623	rBV3	1962977	6205250	48.69%	3.874%
48	8.890	634	639	642	rVB3	1667097	4584464	35.97%	2.862%
49	9.268	668	672	676	rBV2	1559114	6274331	49.23%	3.917%
50	9.576	697	699	701	rBV3	984045	1666175	13.07%	1.040%
51	9.839	720	722	726	rVB3	942606	2319611	18.20%	1.448%
52	9.919	726	729	732	rBV4	898270	2316578	18.18%	1.446%
53	10.262	756	759	764	rVB3	1905787	5002108	39.25%	3.123%
54	10.536	778	783	785	rBV2	1916977	4492919	35.25%	2.805%
55	10.982	820	822	825	rVB2	1806000	3295768	25.86%	2.058%
56	11.085	829	831	834	rVV2	806344	1235817	9.70%	0.772%
57	11.554	870	872	873	rBV	605908	827689	6.49%	0.517%
58	12.045	912	915	917	rVB2	836103	1584693	12.43%	0.989%
59	12.102	917	920	921	rBV	1079617	1742180	13.67%	1.088%
60	12.537	956	958	959	rBV	481753	577168	4.53%	0.360%
61	12.617	963	965	969	rVB2	1054289	1642615	12.89%	1.026%
62	12.891	987	989	994	rVB4	439568	1032307	8.10%	0.645%
63	12.971	994	996	998	rVB3	208329	259818	2.04%	0.162%
64	13.634	1052	1054	1057	rVB	246746	342192	2.69%	0.214%
65	14.948	1167	1169	1177	rVB	178258	202111	1.59%	0.126%

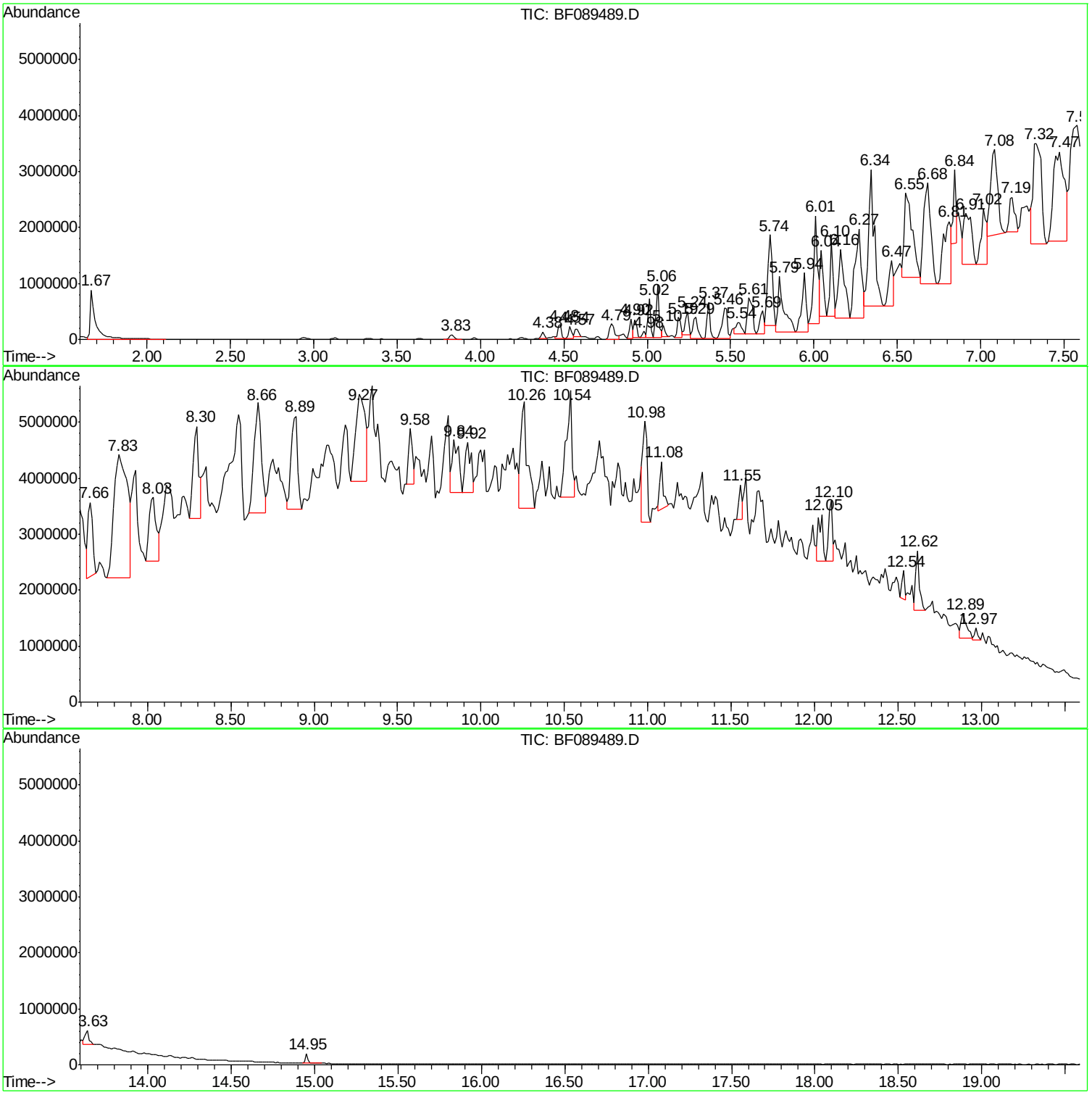
Sum of corrected areas: 160170923

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

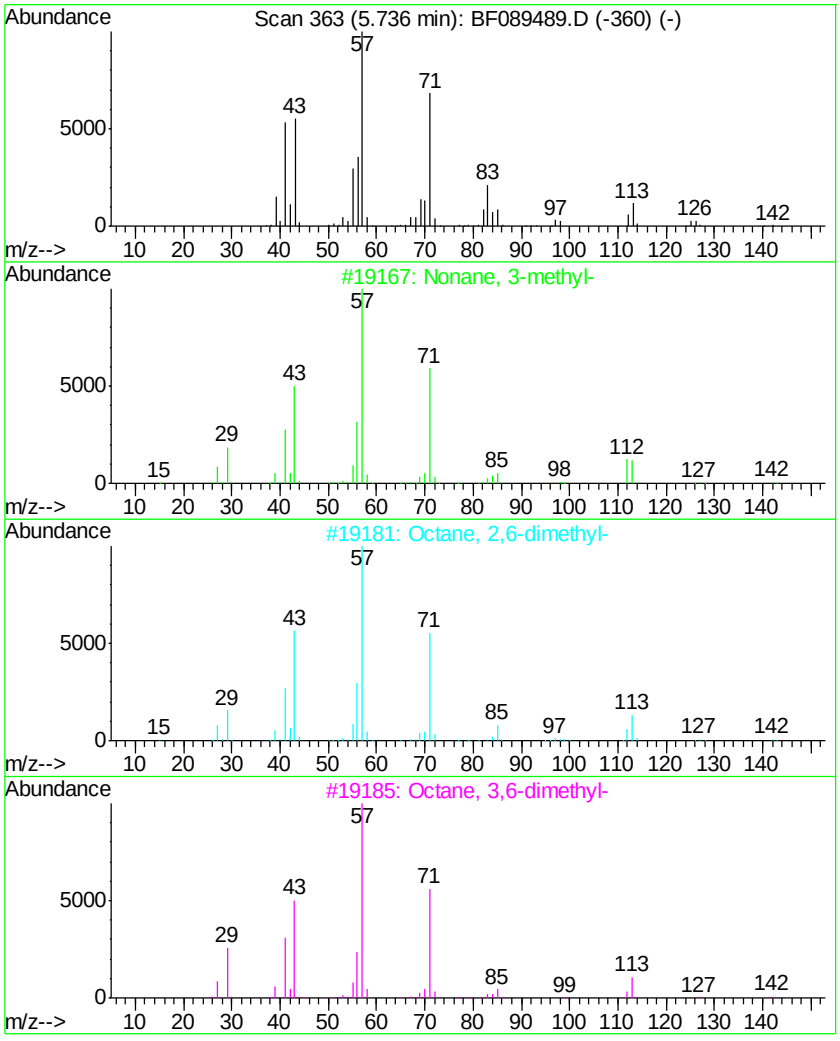
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

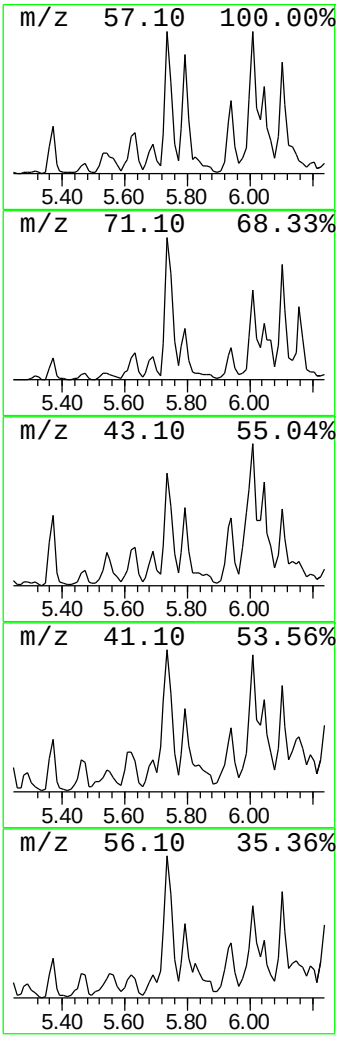
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	39.85 ng	3221930	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	53
5	3-Bromooctane	192	C8H17Br	000999-64-4	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

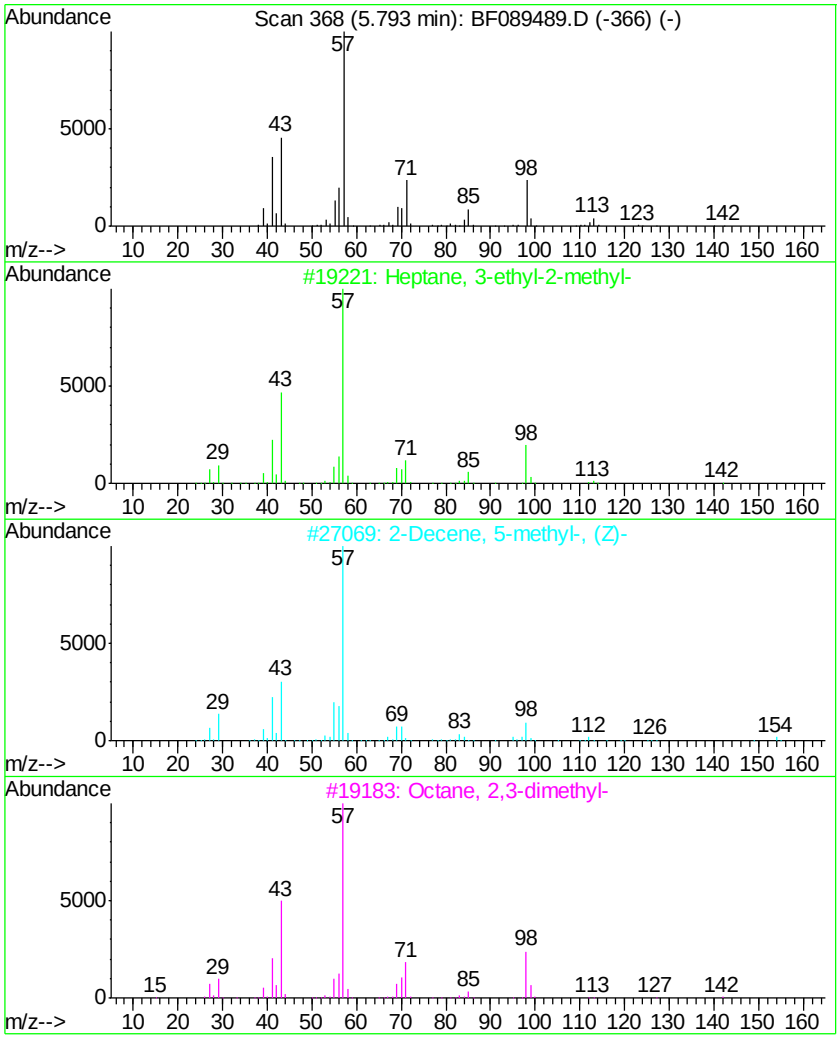
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

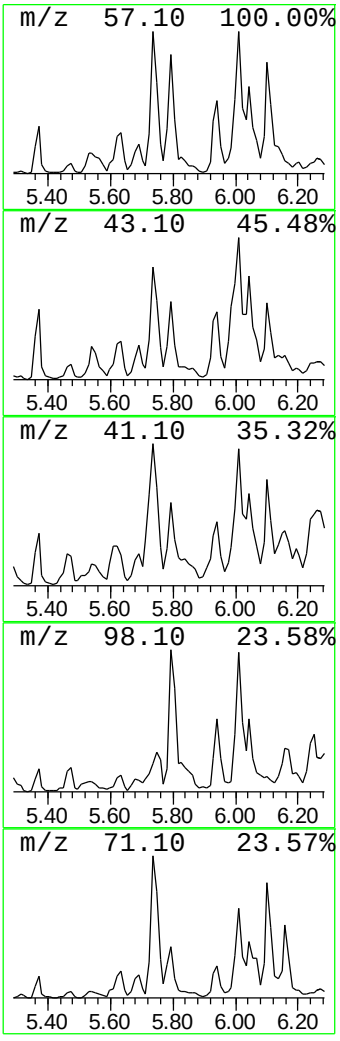
****

Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	31.14 ng	2517770	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	59
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	50
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

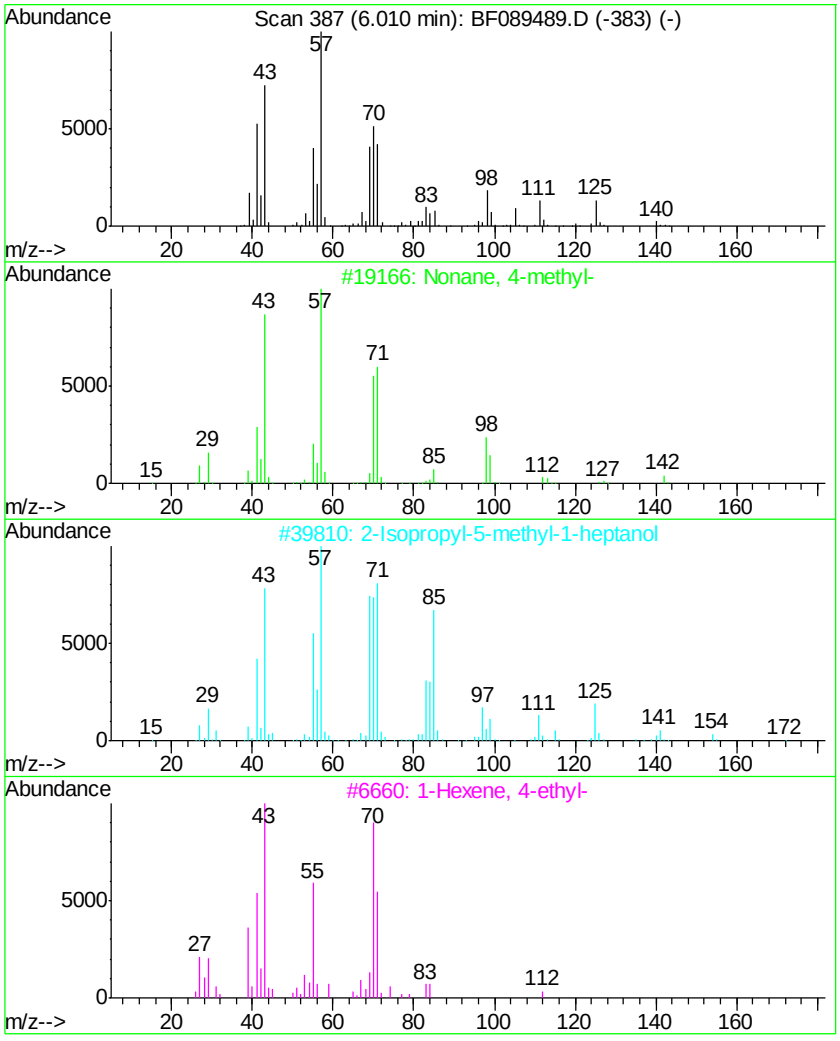
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

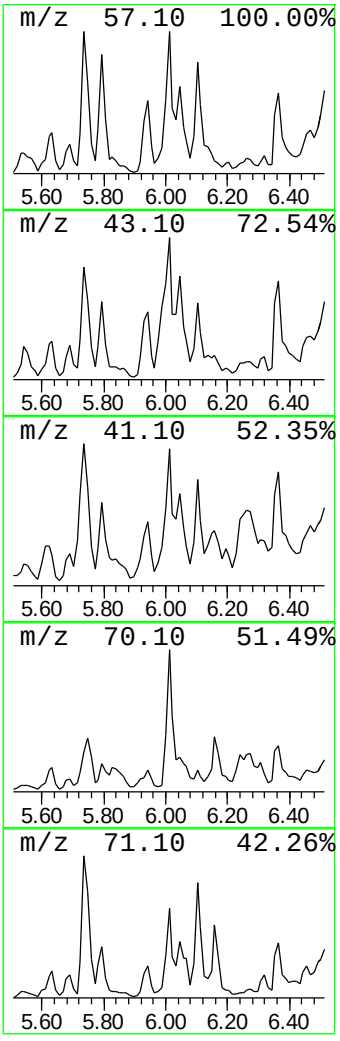
****

Peak Number 4 Nonane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	43.25 ng	3497380	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	53
2	2-Isopropyl-5-methyl-1-heptanol	172	C11H24O	091337-07-4	50
3	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	50
4	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	43
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

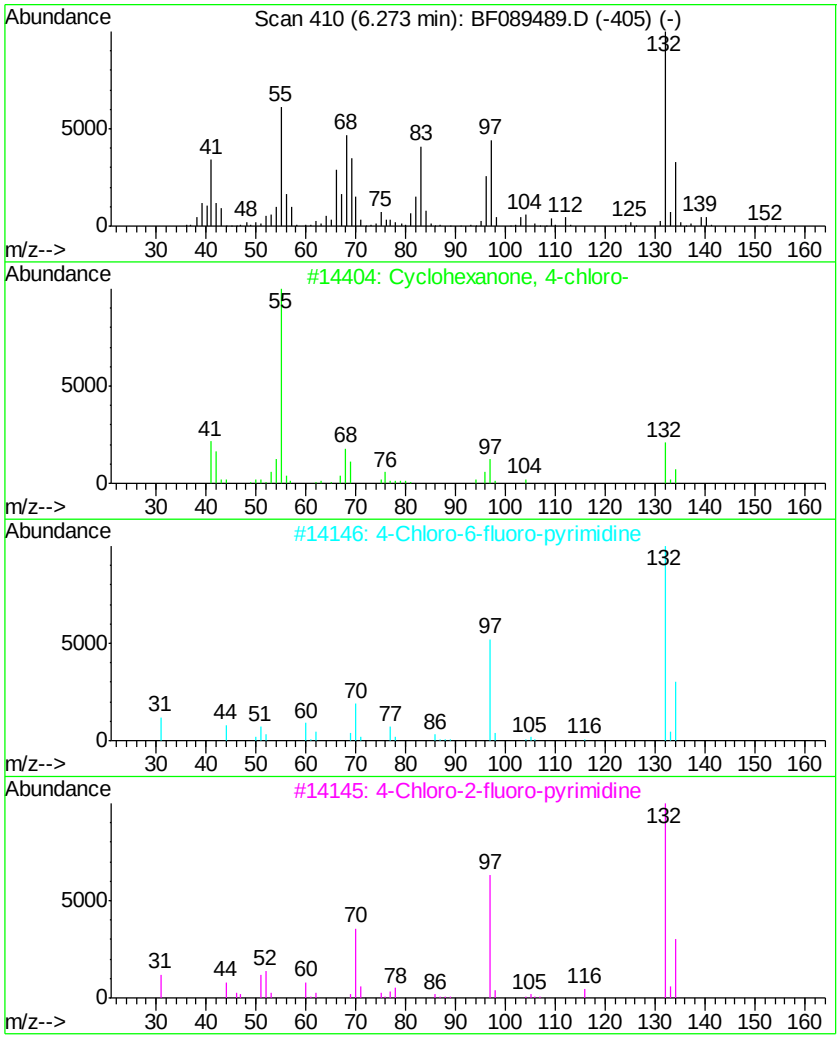
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

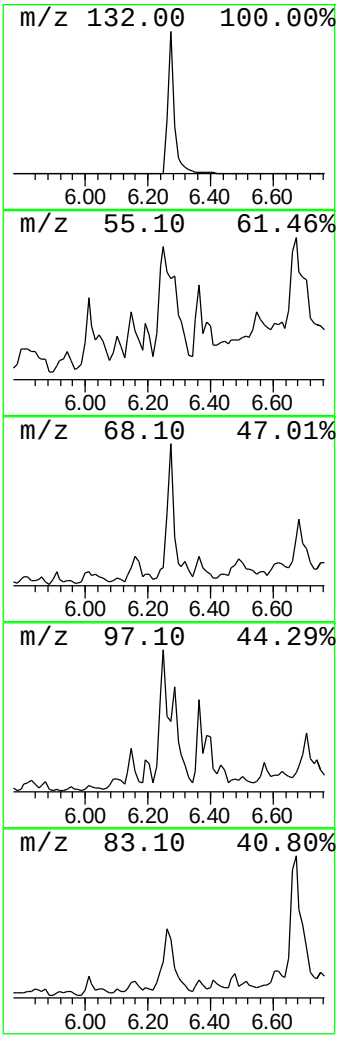
****

Peak Number 5 unknown6.27 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	52.73 ng	4263310	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-chloro-	132	C6H9ClO	021299-26-3	38
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	27
4	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	14
5	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

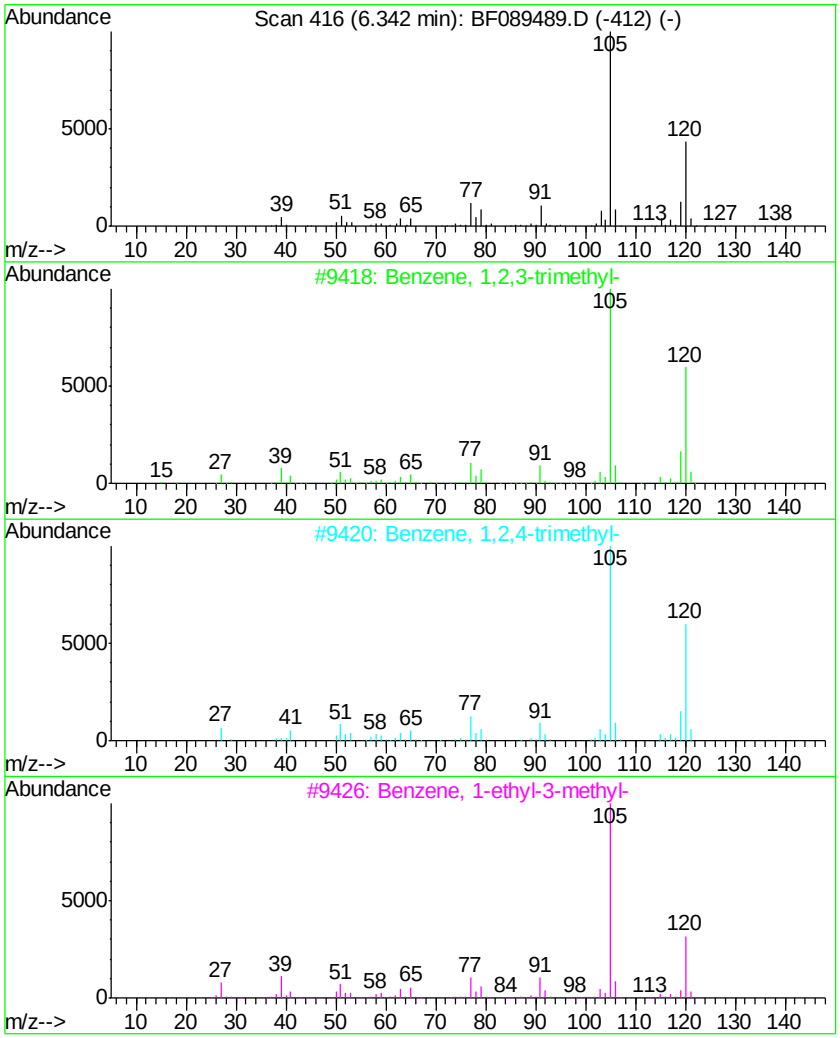
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

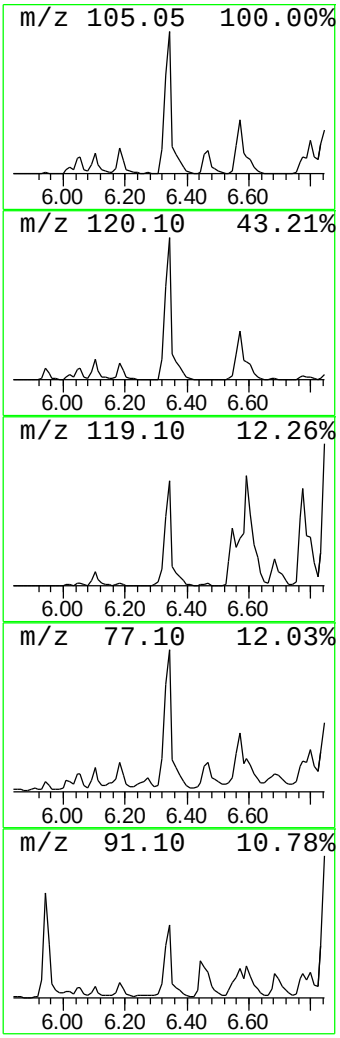
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	75.56 ng	6109790	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

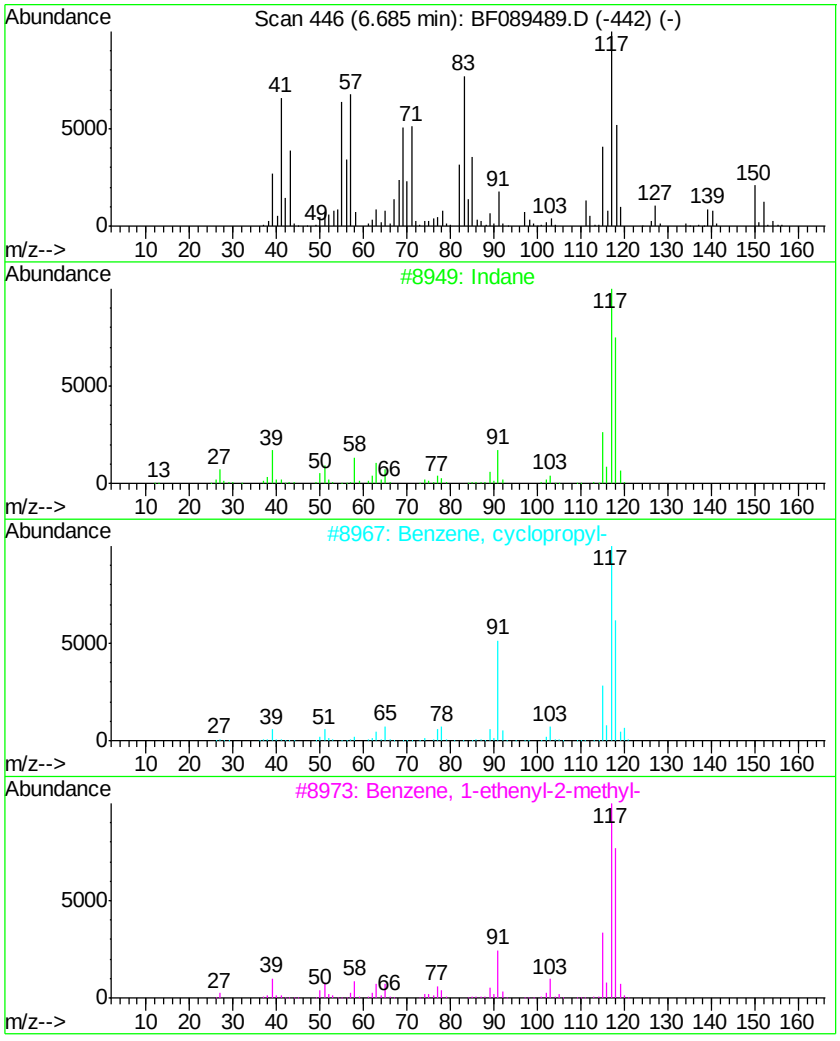
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

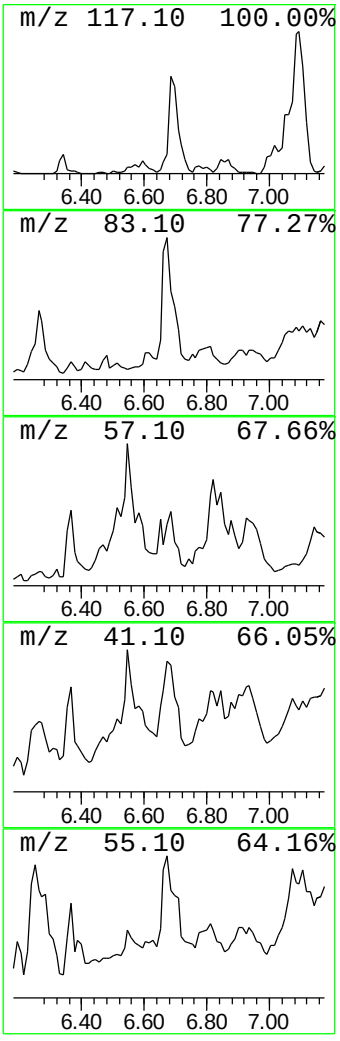
****

Peak Number 7 unknown6.68 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	65.90 ng	5328700	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	38
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	30
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	30
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	30
5	Deltacyclene	118	C9H10	007785-10-6	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

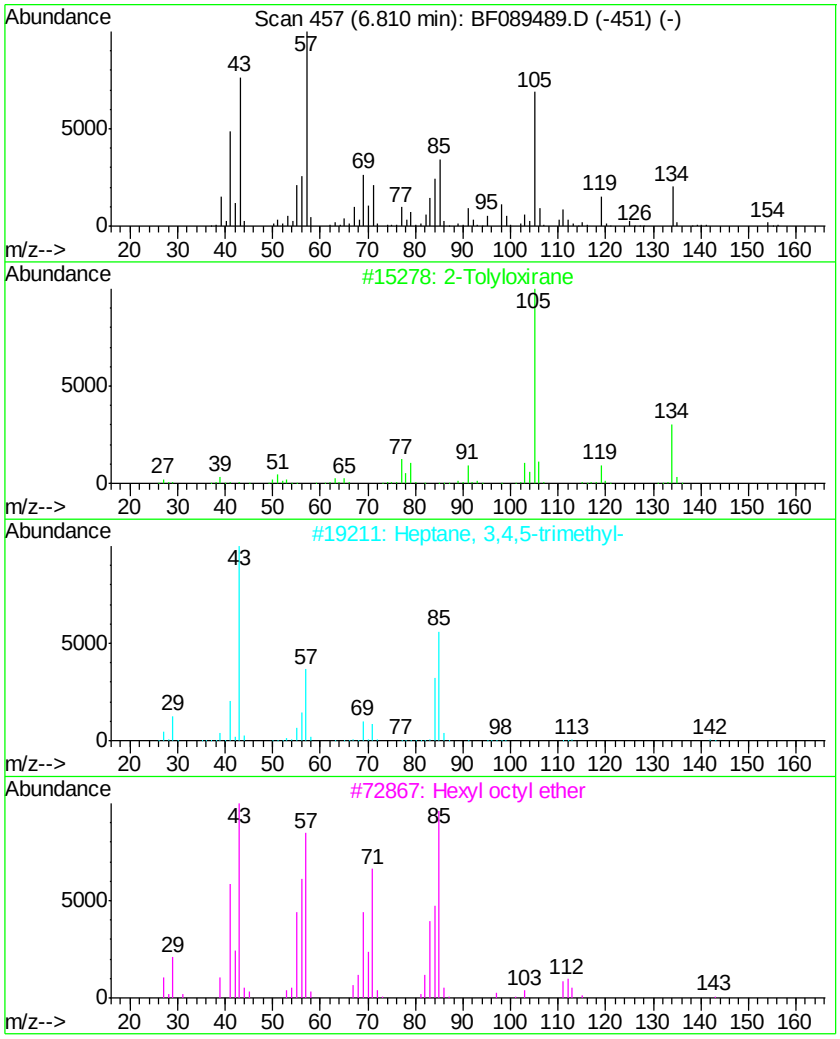
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

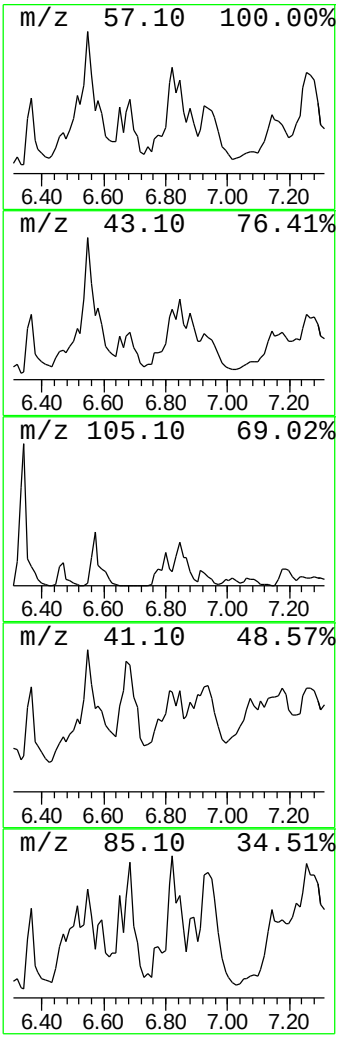
****

Peak Number 8 2-Tolyloxirane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	45.71 ng	3696270	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tolyloxirane	134	C9H10O	002783-26-8	53
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	52
3	Hexyl octyl ether	214	C14H30O	017071-54-4	43
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

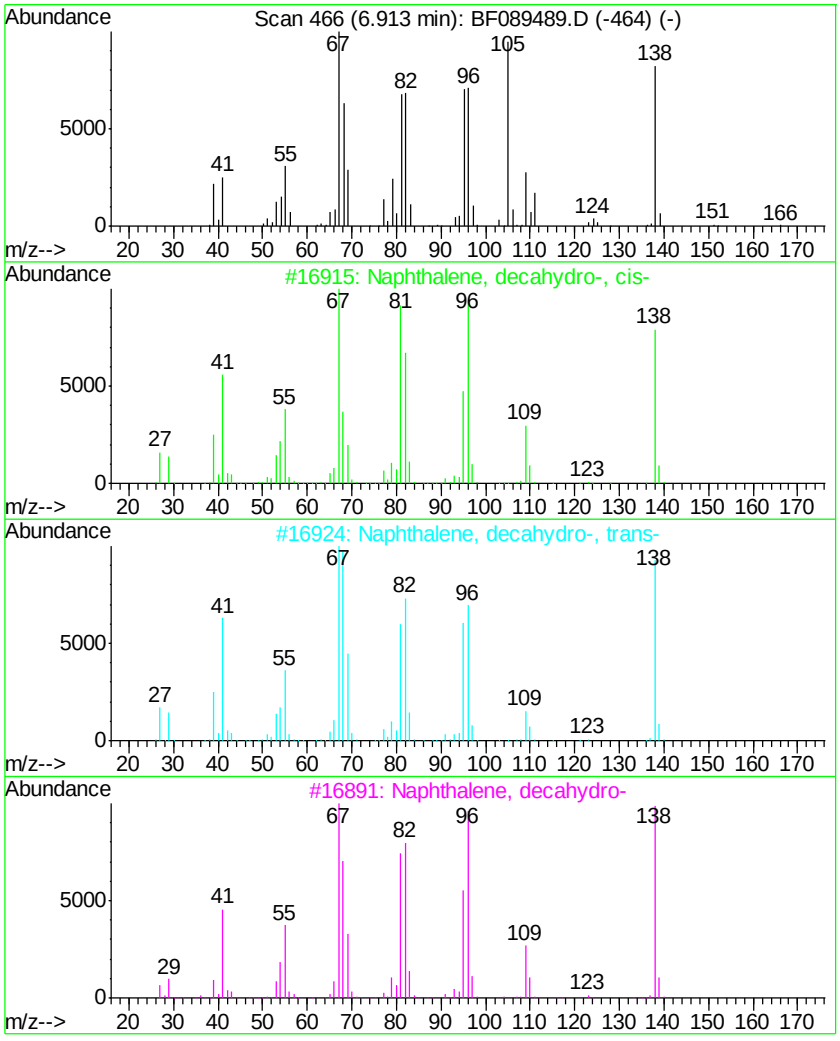
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

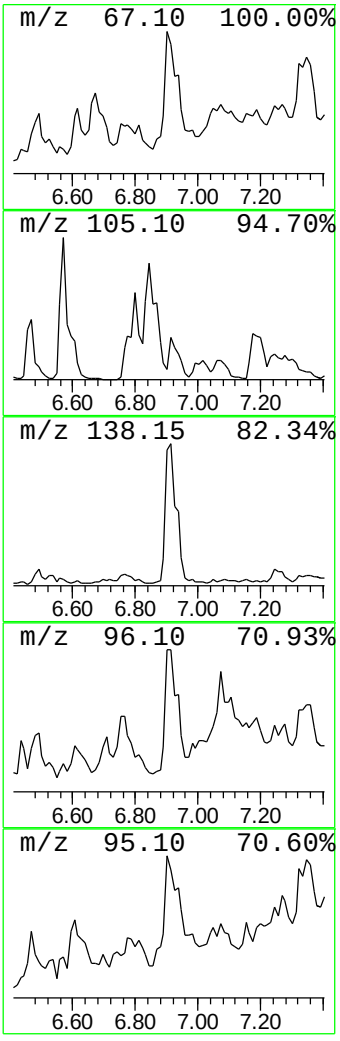
****

Peak Number 9 Naphthalene, decahydro-, cis- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	34.66 ng	2802430	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
4	Spiro[4.5]decane	138	C10H18	000176-63-6	87
5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

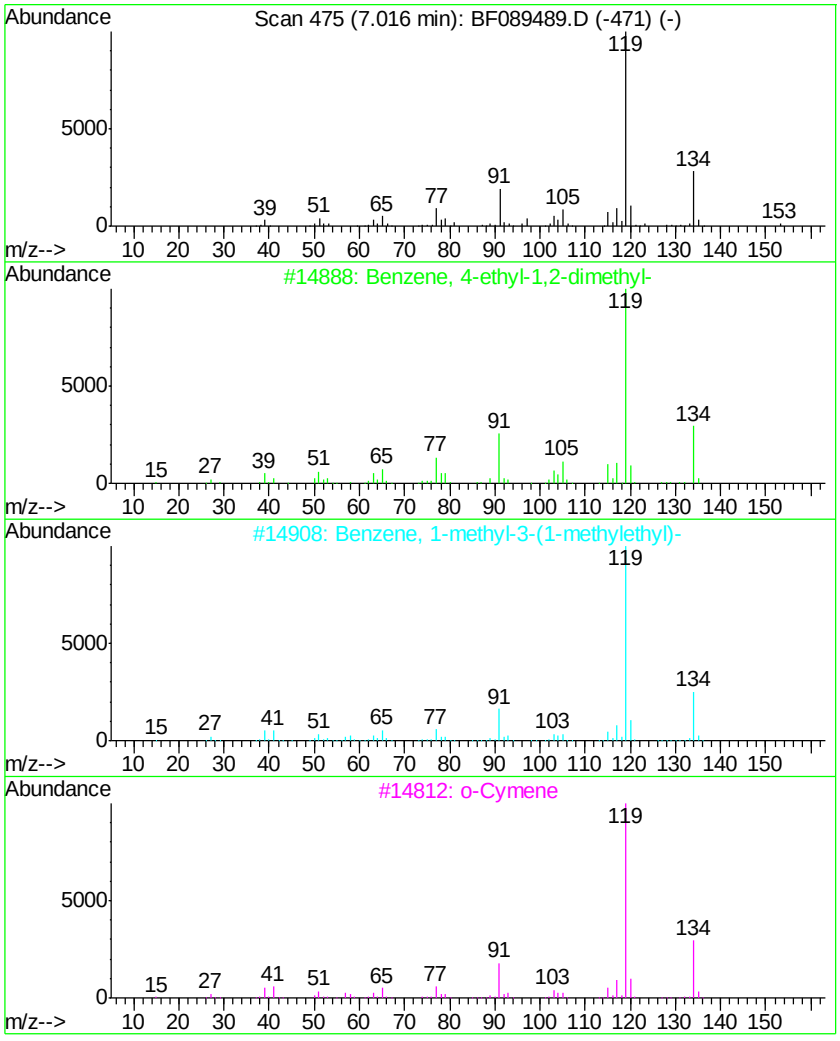
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

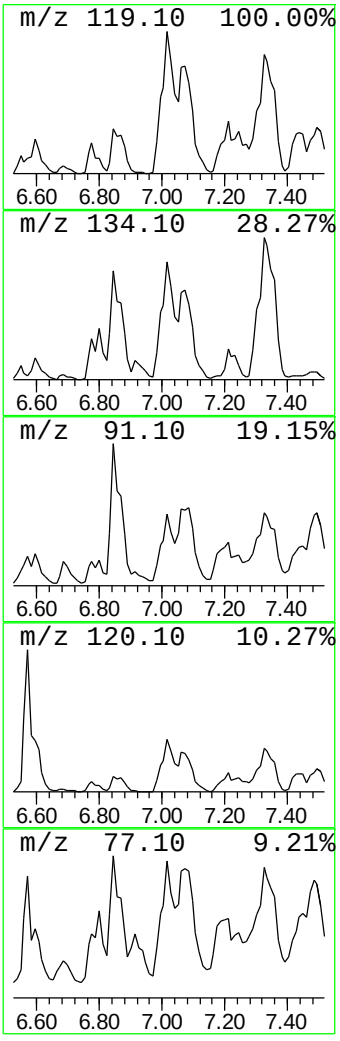
****

Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	29.84 ng	2412570	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

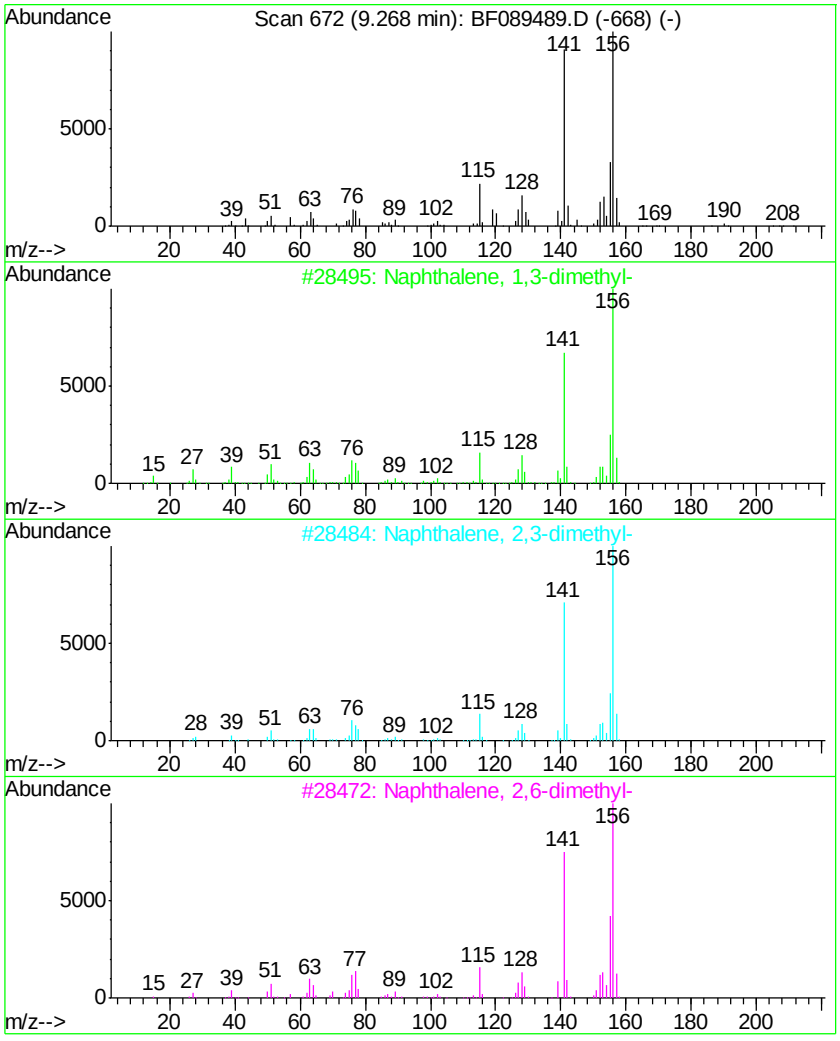
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

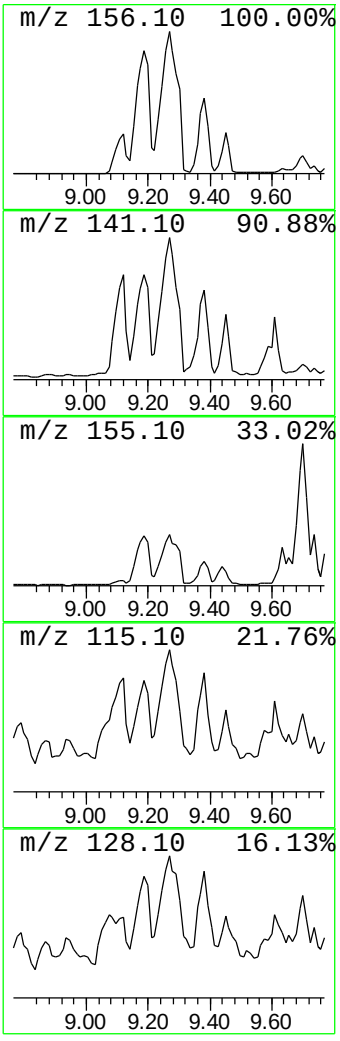
****

Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	75.31 ng	6274330	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

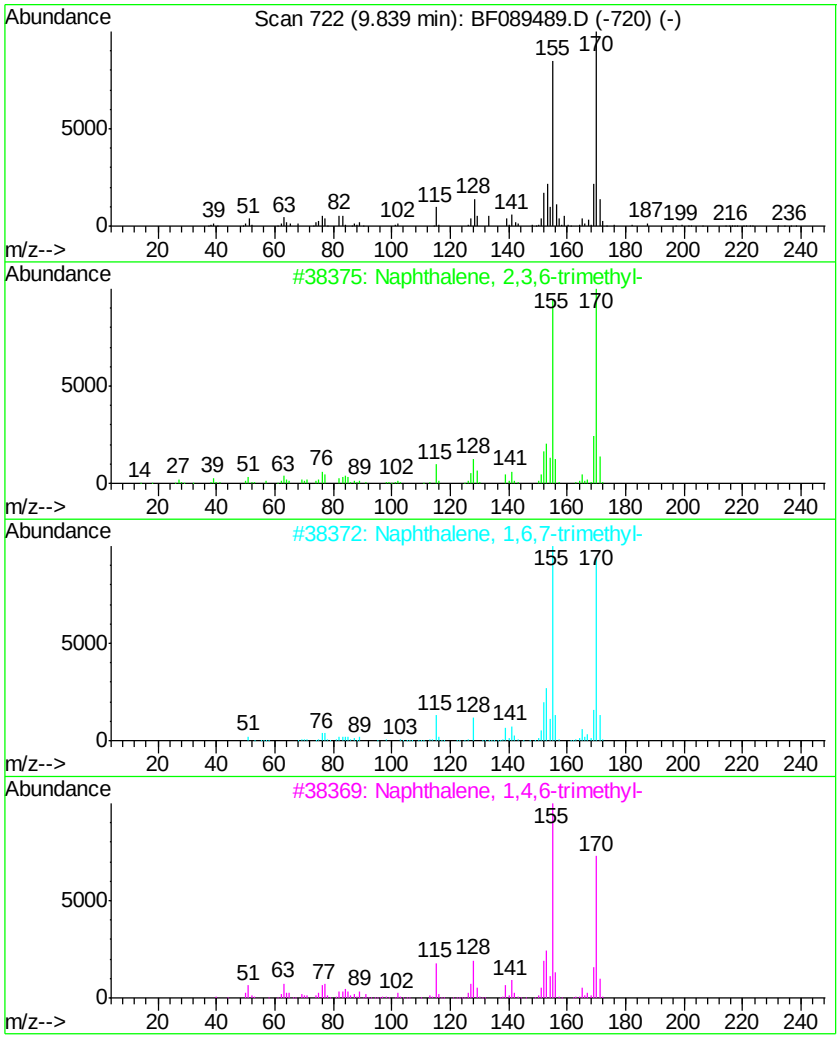
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

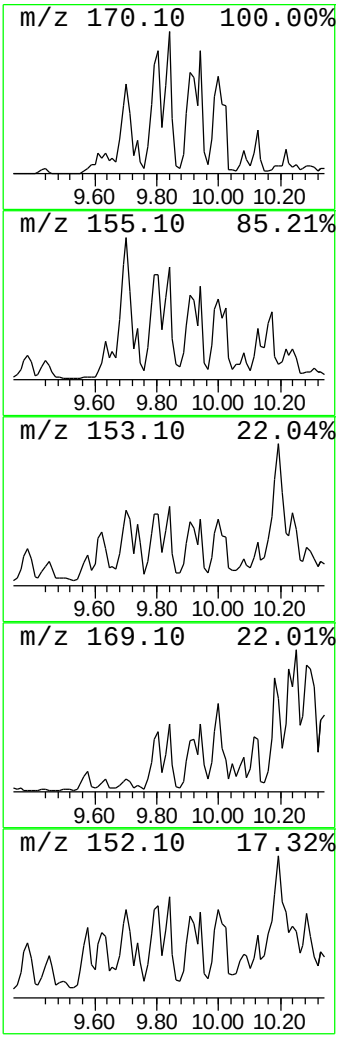
****

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	27.84 ng	2319610	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

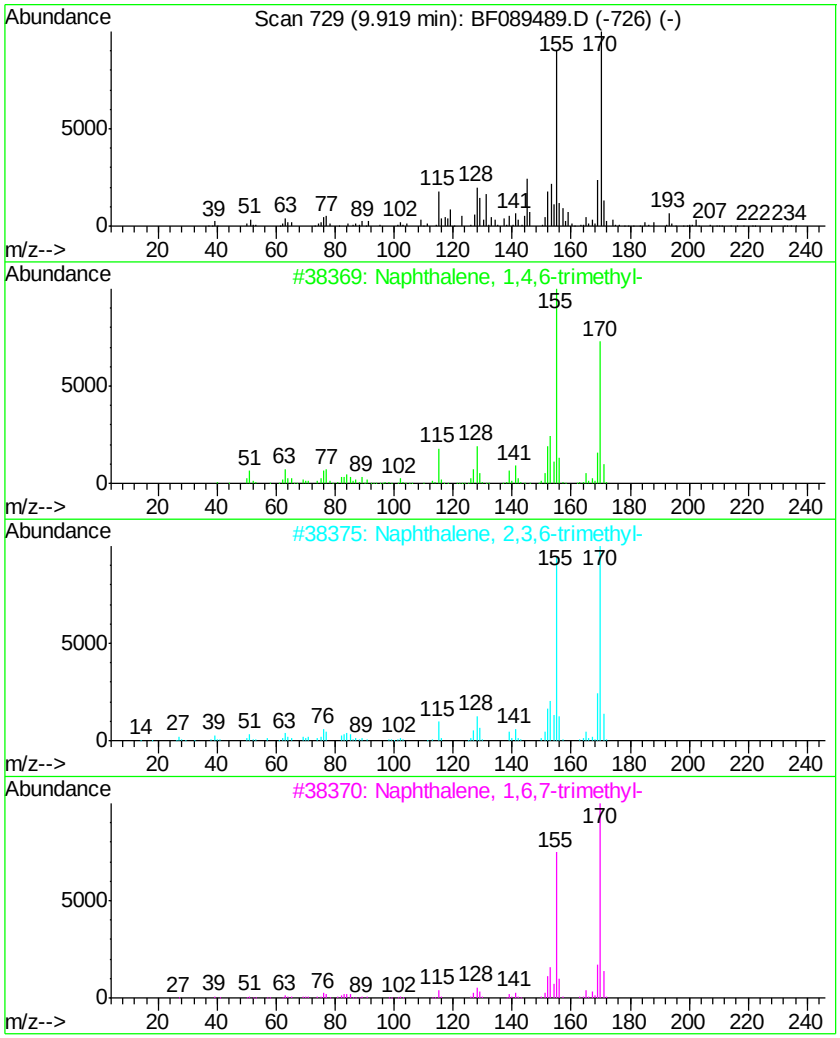
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

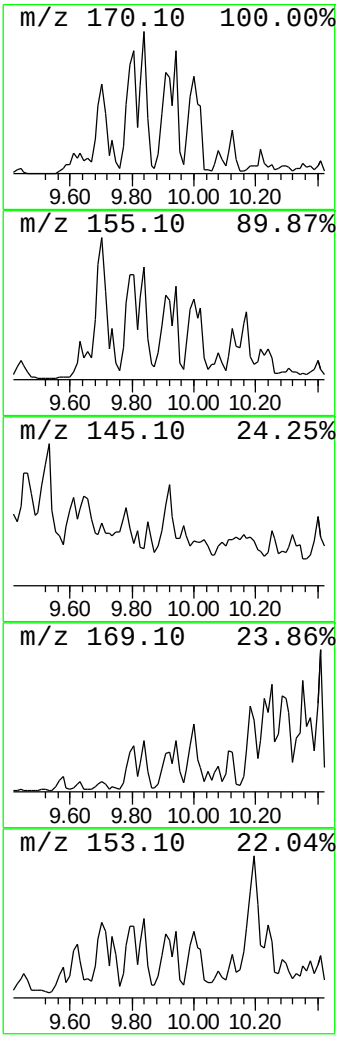
****

Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	27.81 ng	2316580	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

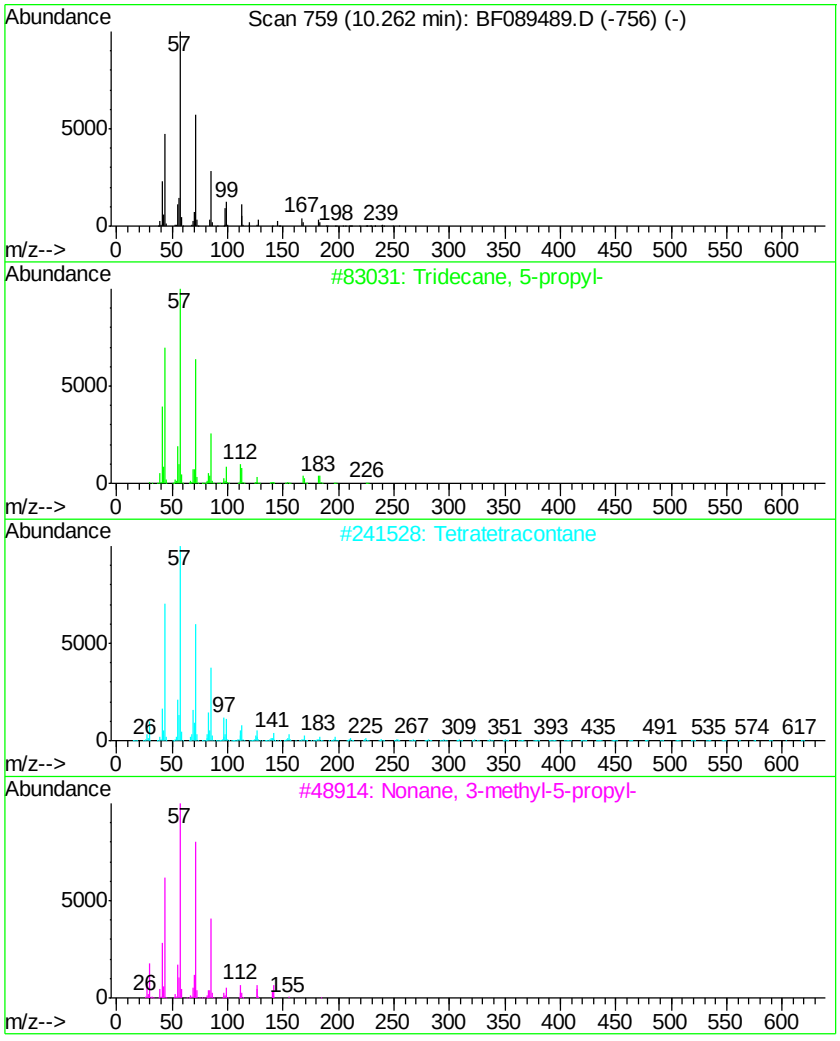
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

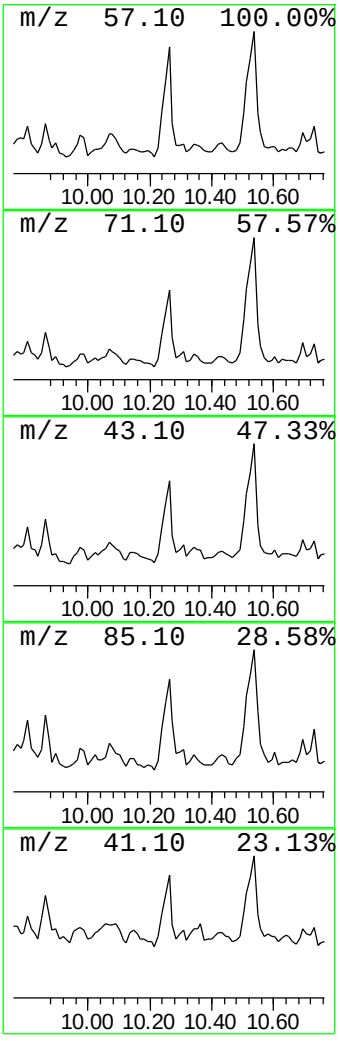
****

Peak Number 14 Tridecane, 5-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	60.04 ng	5002110	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2	Tetratetracontane	619	C44H90	007098-22-8	64
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
5	Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

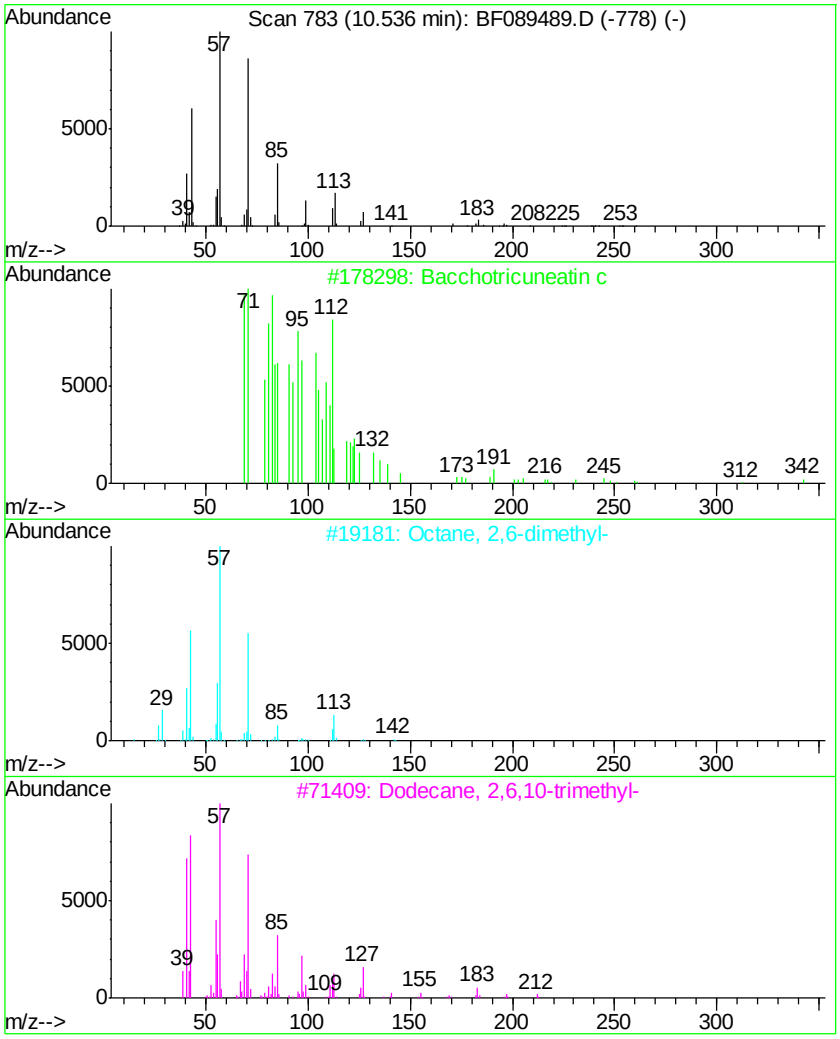
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

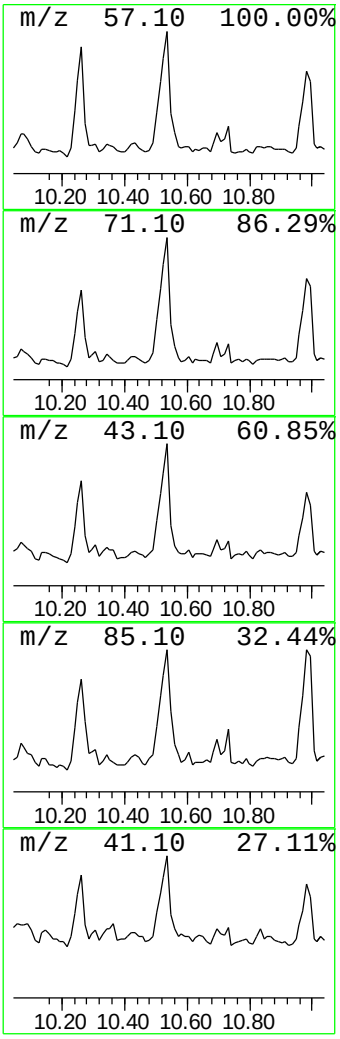
****

Peak Number 15 Bacchotricuneatin c Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	72.71 ng	4492920	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	94
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

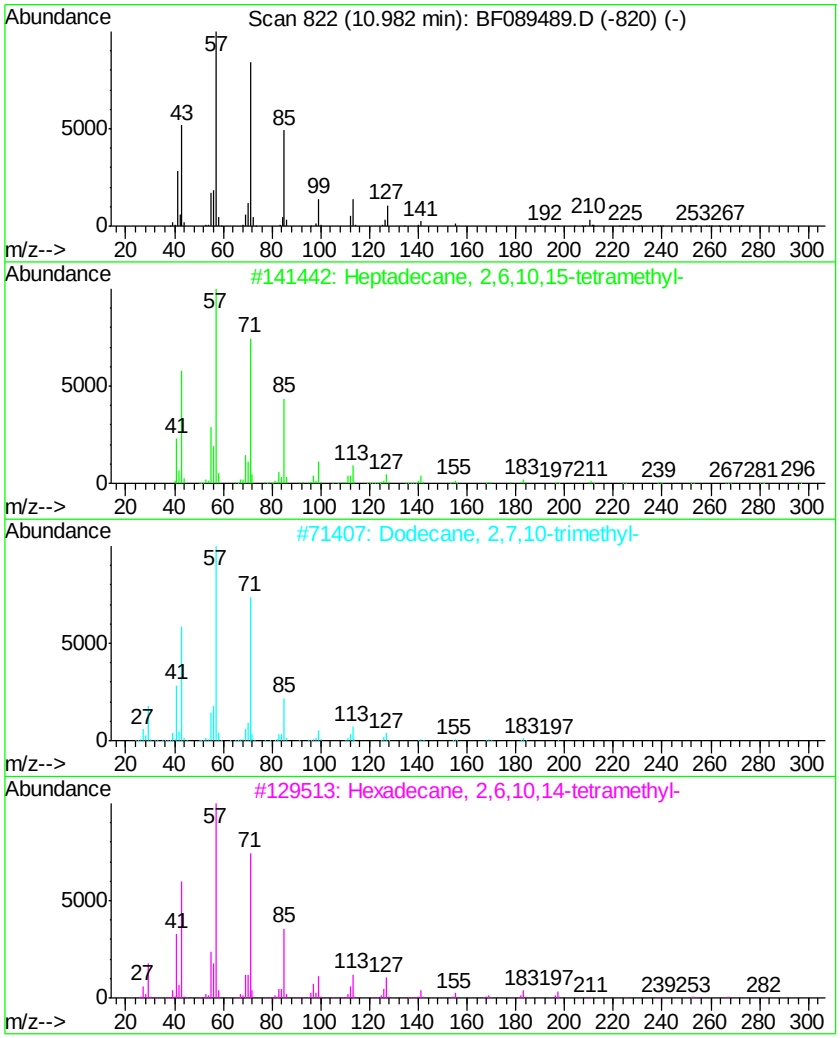
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

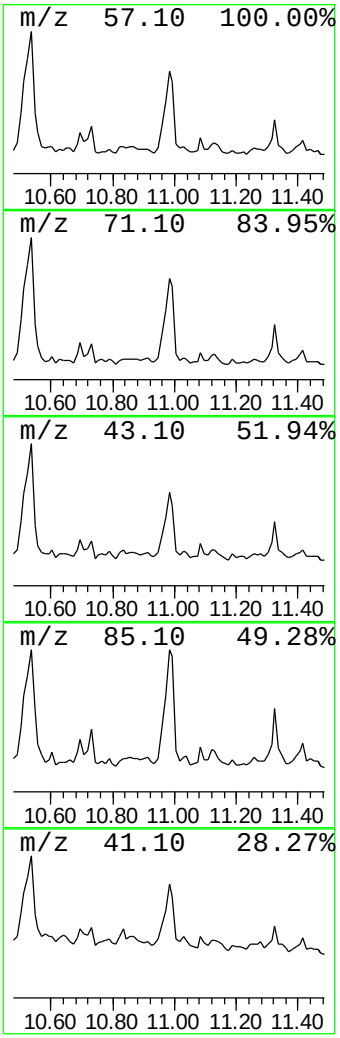
****

Peak Number 16 Heptadecane, 2,6,10,15-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	53.34 ng	3295770	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

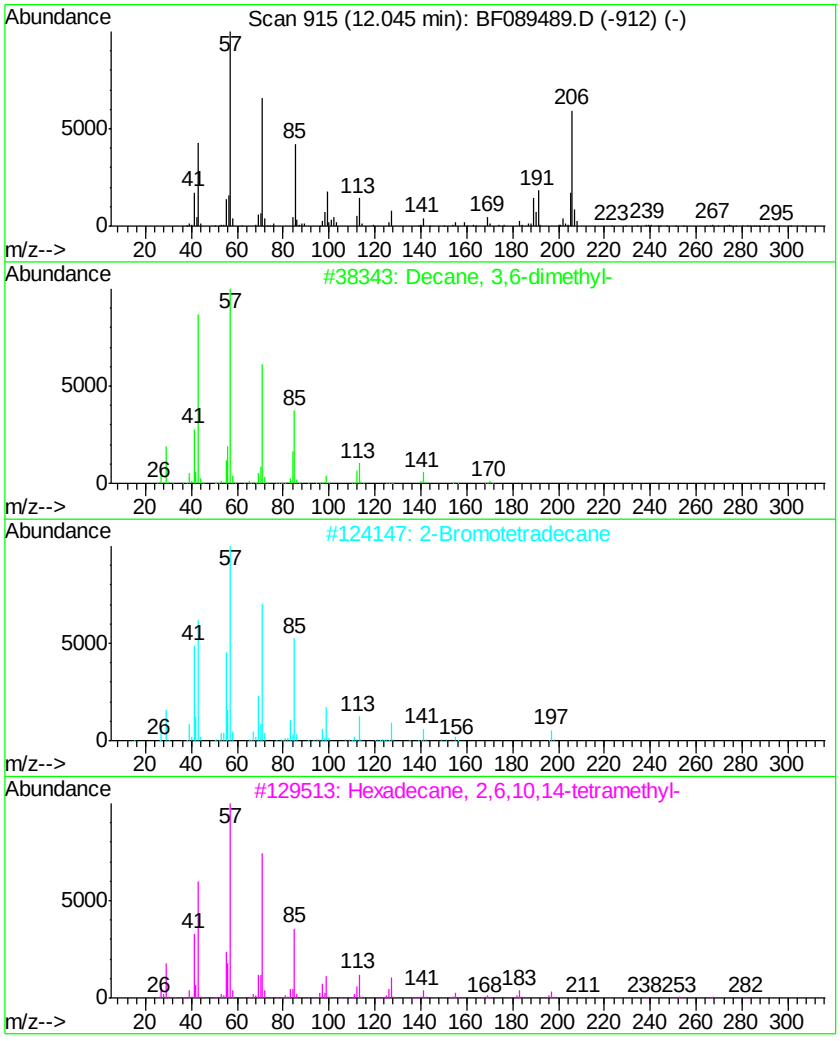
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

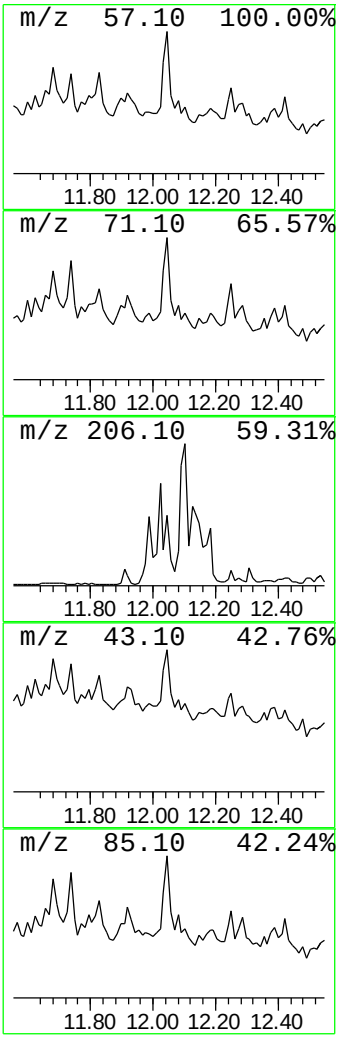
****

Peak Number 17 Decane, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	25.65 ng	1584690	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	55
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	49
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49
4	Hexadecane	226	C16H34	000544-76-3	49
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

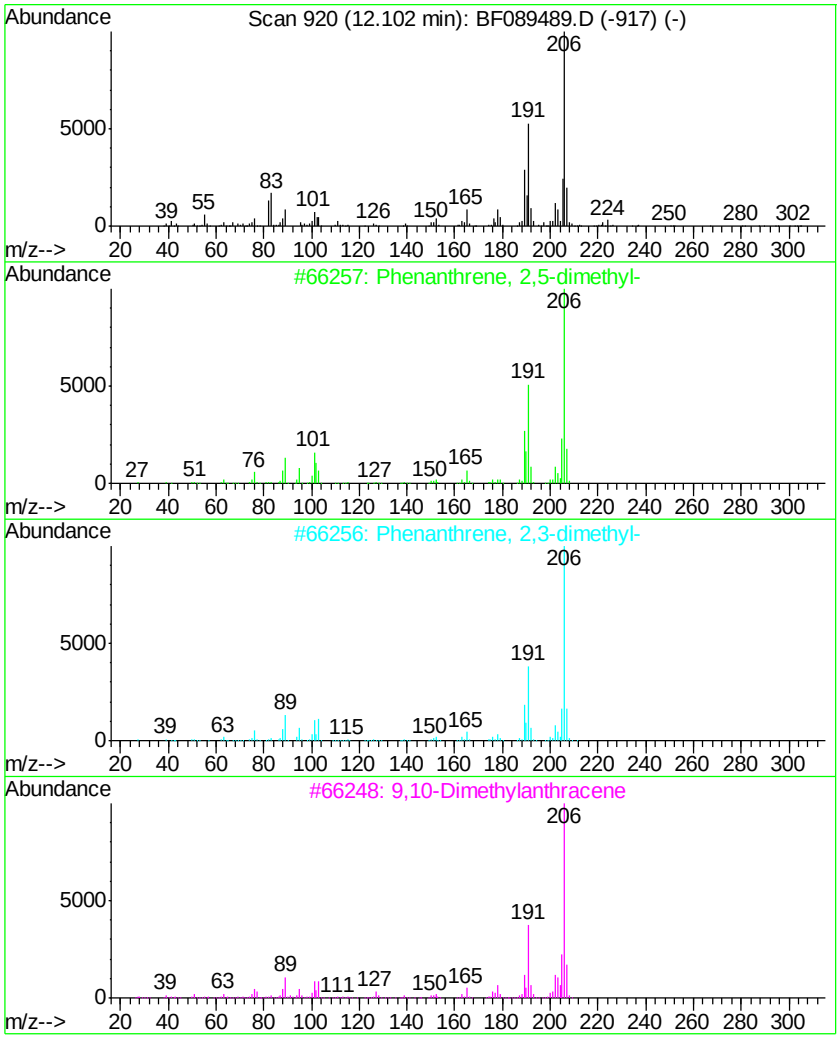
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

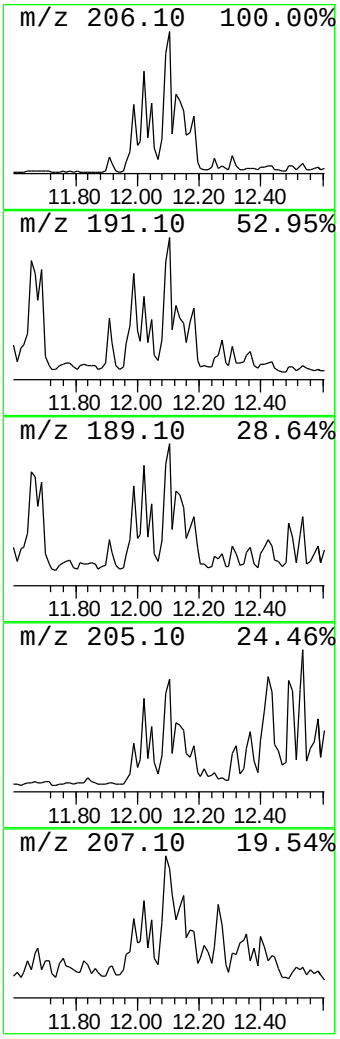
****

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	28.19 ng	1742180	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

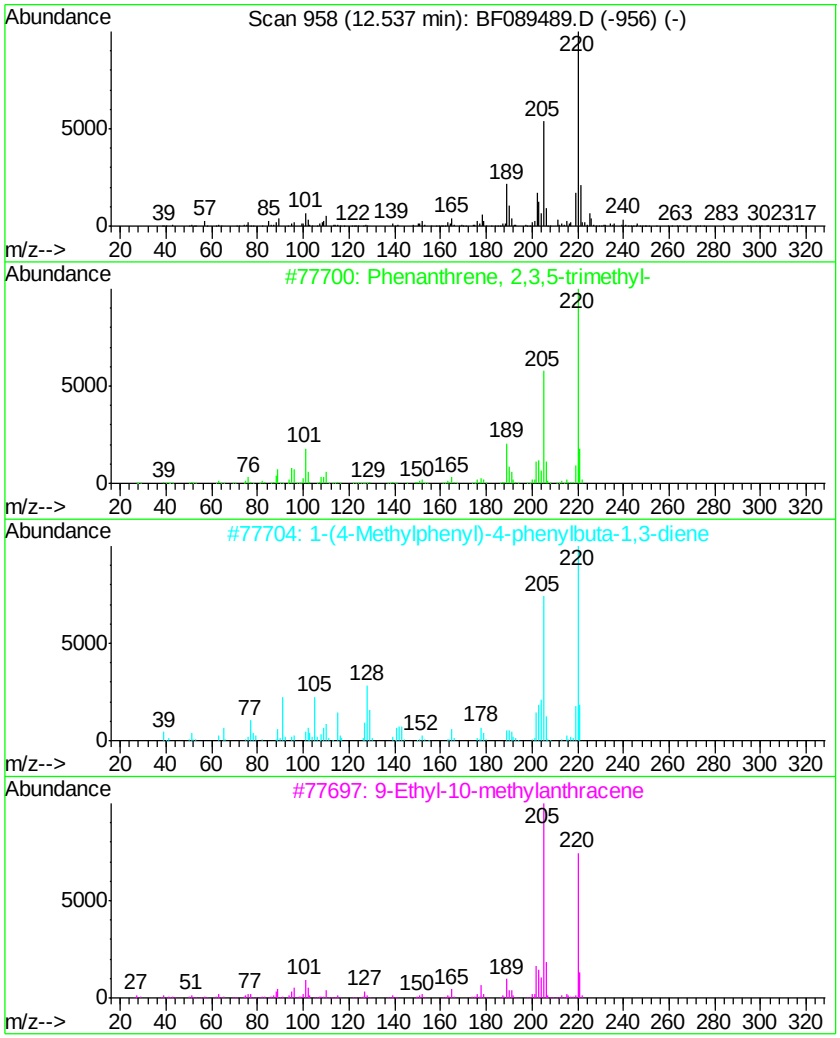
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

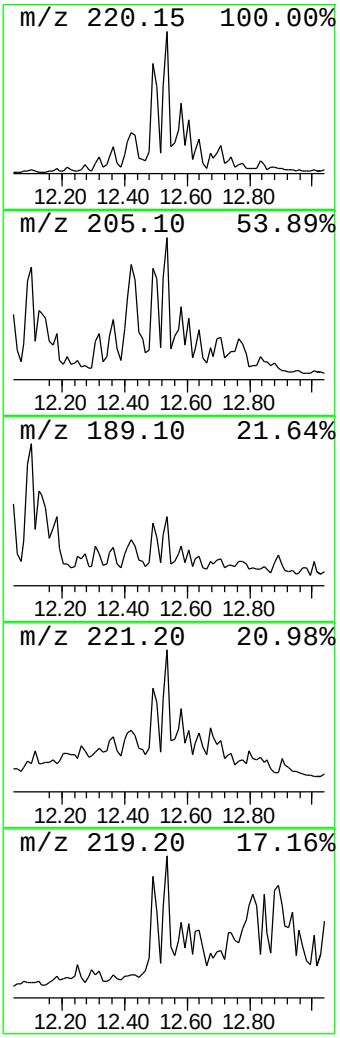
****

Peak Number 19 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	33.73 ng	577168	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	83
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	72
3	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	68
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53
5	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

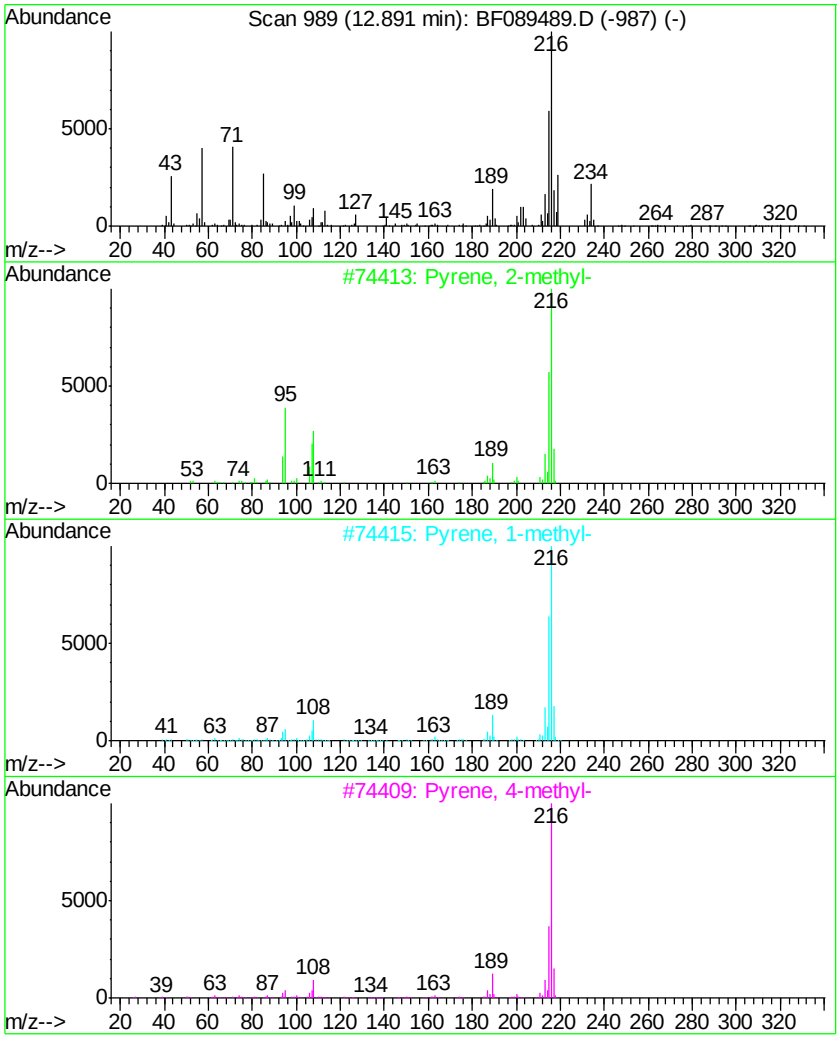
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

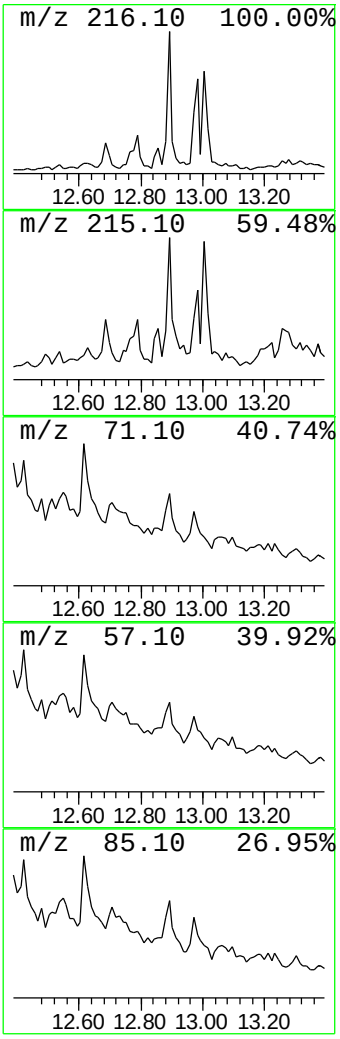
****

Peak Number 20 Pyrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	60.34 ng	1032310	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
Data File : BF089489.D
Acq On : 1 Aug 2016 2:03
Operator : UM/SJ
Sample : H4307-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1057-SOUTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.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
Nonane, 3-methyl-	5.74	39.9	ng	3221930	1	6.50	1617170	20.0
Heptane, 3-ethyl-...	5.79	31.1	ng	2517770	1	6.50	1617170	20.0
Nonane, 4-methyl-	6.01	43.3	ng	3497380	1	6.50	1617170	20.0
unknown6.27	6.27	52.7	ng	4263310	1	6.50	1617170	20.0
Benzene, 1,2,3-tr...	6.34	75.6	ng	6109790	1	6.50	1617170	20.0
unknown6.68	6.68	65.9	ng	5328700	1	6.50	1617170	20.0
2-Tolyloxirane	6.81	45.7	ng	3696270	1	6.50	1617170	20.0
Naphthalene, deca...	6.91	34.7	ng	2802430	1	6.50	1617170	20.0
Benzene, 4-ethyl-...	7.02	29.8	ng	2412570	1	6.50	1617170	20.0
Naphthalene, 1,3-...	9.27	75.3	ng	6274330	3	9.59	1666180	20.0
Naphthalene, 2,3,...	9.84	27.8	ng	2319610	3	9.59	1666180	20.0
Naphthalene, 1,4,...	9.92	27.8	ng	2316580	3	9.59	1666180	20.0
Tridecane, 5-propyl-	10.26	60.0	ng	5002110	3	9.59	1666180	20.0
Bacchotricuneatin c	10.54	72.7	ng	4492920	4	11.05	1235820	20.0
Heptadecane, 2,6,...	10.98	53.3	ng	3295770	4	11.05	1235820	20.0
Decane, 3,6-dimet...	12.05	25.6	ng	1584690	4	11.05	1235820	20.0
Phenanthrene, 2,5...	12.10	28.2	ng	1742180	4	11.05	1235820	20.0
Phenanthrene, 2,3...	12.54	33.7	ng	577168	5	13.63	342192	20.0
Pyrene, 2-methyl-	12.89	60.3	ng	1032310	5	13.63	342192	20.0