LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-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-BF081916.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	1.644	3	5	13	rVV	695733	1271994	6.60%	0.381%
2	1.758	13	15	64	rVB	5975282	18302022	95.03%	5.481%
3	2.433	67	74	78	rVB	171811	427810	2.22%	0.128%
4	3.335	146	153	159	rBV2	253833	736378	3.82%	0.221%
5	3.541	165	171	175	rBV	250447	601744	3.12%	0.180%
6	3.724	181	187	189	rBV	369382	785619	4.08%	0.235%
7	3.781	189	192	195	rVB	175597	288623	1.50%	0.086%
8	3.907	197	203	205	rBV2	127343	288782	1.50%	0.086%
9	3.964	205	208	212	rVB	146344	319668	1.66%	0.096%
10	4.124	219	222	227	rVB2	525137	885680	4.60%	0.265%
11	4.250	227	233	237	rBV2	282346	429548	2.23%	0.129%
12	4.490	252	254	256	rBV	206811	303774	1.58%	0.091%
13	4.616	263	265	267	rBV	600892	653745	3.39%	0.196%
14	4.673	267	270	271	rBV3	264236	480245	2.49%	0.144%
15	4.707	271	273	277	rVB	1651306	2031337	10.55%	0.608%
16	4.776	277	279	281	rBV	1589403	1935579	10.05%	0.580%
17	4.844	284	285	288	rVB2	186713	255774	1.33%	0.077%
18	4.924	288	292	296	rVB	272647	523105	2.72%	0.157%
19	5.004	296	299	301	rBV	1276720	2078965	10.79%	0.623%
20	5.050	301	303	306	rVB3	272190	455730	2.37%	0.136%
21	5.107	306	308	309	rBV	1004820	1592108	8.27%	0.477%
22	5.130	309	310	313	rVB	993540	803222	4.17%	0.241%
23	5.176	313	314	315	rBV	466398	609301	3.16%	0.182%
24	5.221	315	318	320	rVB2	3577201	5086674	26.41%	1.523%
25	5.290	322	324	328	rBV2	554004	997152	5.18%	0.299%
26	5.381	330	332	334	rBV	1497729	1993282	10.35%	0.597%
27	5.427	334	336	338	rVB	1748404	1779554	9.24%	0.533%
28	5.473	338	340	344	rVB2	1454141	2162248	11.23%	0.647%
29	5.553	344	347	349	rBV	535452	573068	2.98%	0.172%
30	5.644	351	355	357	rBV2	2030915	3120517	16.20%	0.934%
31	5.713	357	361	365	rBV4	822268	2735943	14.21%	0.819%
32	5.793	365	368	370	rVB2	3012522	4453469	23.12%	1.334%
33	5.850	370	373	375	rBV	1297476	2368635	12.30%	0.709%
34	5.896	375	377	381	rBV3	4964701	8589843	44.60%	2.572%

LSC Area Percent Report

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Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	5.964	381	383	386	rBV2	2130317	4190706	21.76%	1.255%
36	6.101	391	395	397	rBV2	2501209	5215960	27.08%	1.562%
37	6.170	397	401	407	rVB3	4871395	12823000	66.58%	3.840%
38	6.261	407	409	410	rBV	3331402	4533797	23.54%	1.358%
39	6.421	419	423	427	rBV2	6244277	15453880	80.24%	4.628%
40	6.479	427	428	430	rVV	3102731	3950118	20.51%	1.183%
41	6.513	430	431	433	rVB	1746693	2003737	10.40%	0.600%
42	6.616	437	440	442	rVV4	2328697	5121357	26.59%	1.534%
43	6.650	442	443	445	rVV2	2672683	4609669	23.93%	1.380%
44	6.696	445	447	454	rVV4	5170609	12968245	67.33%	3.883%
45	6.822	454	458	462	rVB6	6726844	19260156	100.00%	5.768%
46	6.924	462	467	469	rBV3	4091306	10272745	53.34%	3.076%
47	6.959	469	470	472	rVV	2667078	3661046	19.01%	1.096%
48	6.993	472	473	474	rVB	4988120	3421850	17.77%	1.025%
49	7.016	474	475	476	rBV	727494	767166	3.98%	0.230%
50	7.062	477	479	481	rVV2	3972258	4579561	23.78%	1.371%
51	7.142	483	486	487	rBV2	2757259	3628612	18.84%	1.087%
52	7.222	489	493	499	rVB4	5888573	19015843	98.73%	5.694%
53	7.324	499	502	504	rVB3	4047396	6850779	35.57%	2.051%
54	7.370	504	506	507	rBV2	1947435	3621386	18.80%	1.084%
55	7.393	507	508	510	rVB2	2361094	3228347	16.76%	0.967%
56	7.450	510	513	514	rBV2	3812388	5165304	26.82%	1.547%
57	7.484	514	516	518	rVB2	5074049	7558177	39.24%	2.263%
58	7.542	518	521	522	rBV3	1773756	3195024	16.59%	0.957%
59	7.599	522	526	527	rBV3	4257888	10217073	53.05%	3.060%
60	7.622	527	528	532	rVV3	2687190	6135268	31.85%	1.837%
61	7.702	532	535	537	rVV2	4293735	7779031	40.39%	2.329%
62	7.736	537	538	540	rVB2	4192626	3521980	18.29%	1.055%
63	7.793	540	543	545	rBV3	3523854	7294914	37.88%	2.184%
64	7.839	545	547	548	rBV	2665818	3824332	19.86%	1.145%
65	7.953	551	557	559	rBV5	4333095	14227407	73.87%	4.260%
66	8.010	559	562	564	rVV4	2678256	6684194	34.70%	2.002%
67	8.056	564	566	568	rVV3	2486713	3595732	18.67%	1.077%
68	8.159	571	575	578	rBV4	3218983	8211377	42.63%	2.459%
69	8.422	596	598	601	rBV2	2373272	4298168	22.32%	1.287%
70	8.479	601	603	605	rVV2	1896655	2687110	13.95%	0.805%
71	12.239	930	932	934	rBV	1779017	2712079	14.08%	0.812%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.639	965	967	969	rVB	1072129	1167027	6.06%	0.349%
73	12.674	969	970	972	rVV	1439655	1270086	6.59%	0.380%
74	12.765	975	978	982	rVB	3109030	5496804	28.54%	1.646%
75	13.028	1000	1001	1007	rVB5	1163905	3065989	15.92%	0.918%
76	13.119	1007	1009	1010	rVV2	755172	933781	4.85%	0.280%
77	13.154	1010	1012	1014	rVV	752745	891727	4.63%	0.267%
78	13.188	1014	1015	1022	rVB3	867282	1786258	9.27%	0.535%
79	13.782	1064	1067	1069	rVB	1355357	1543006	8.01%	0.462%
80	15.119	1182	1184	1187	rVB	1211968	1579851	8.20%	0.473%

Sum of corrected areas: 333940797

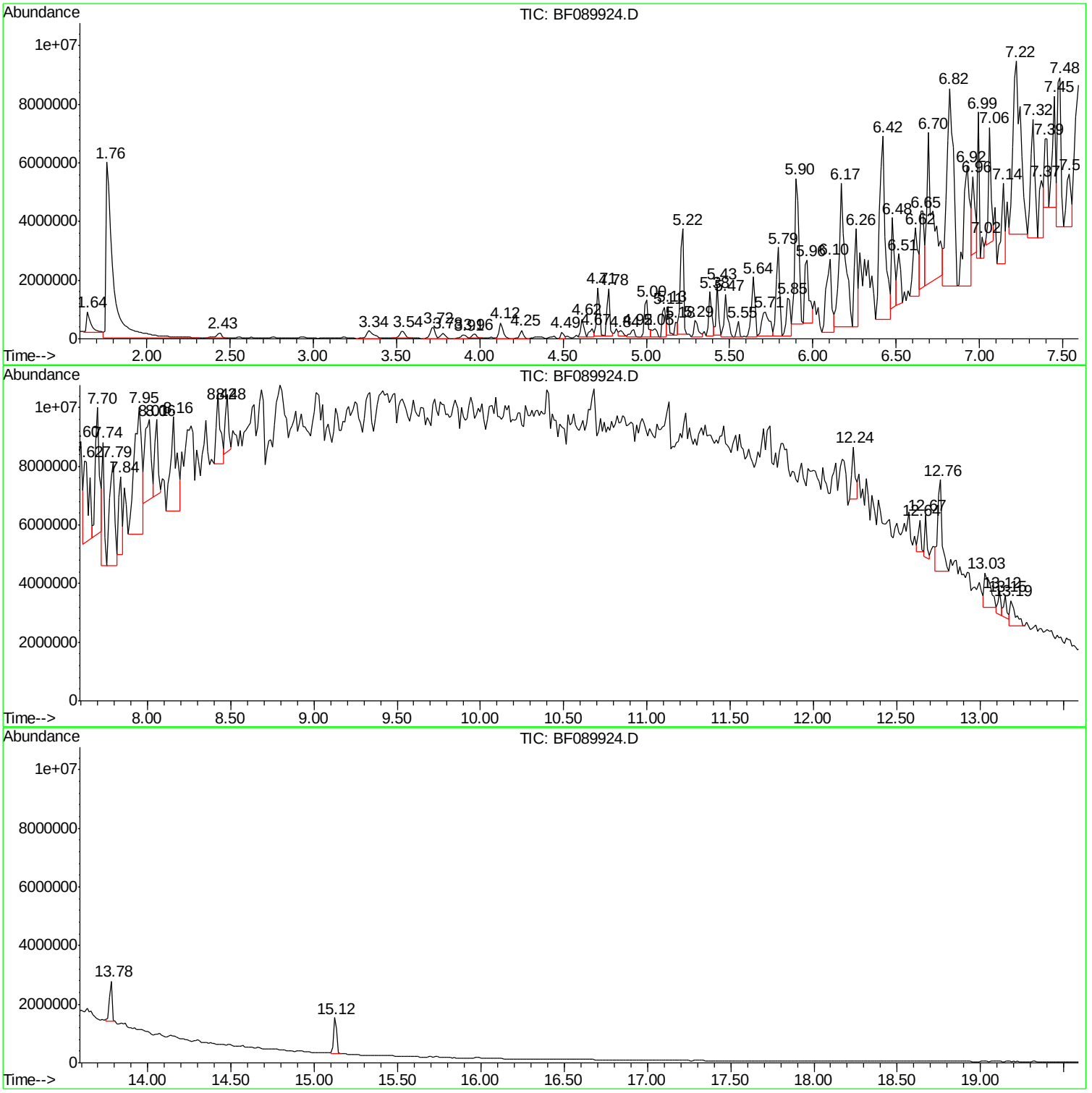
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

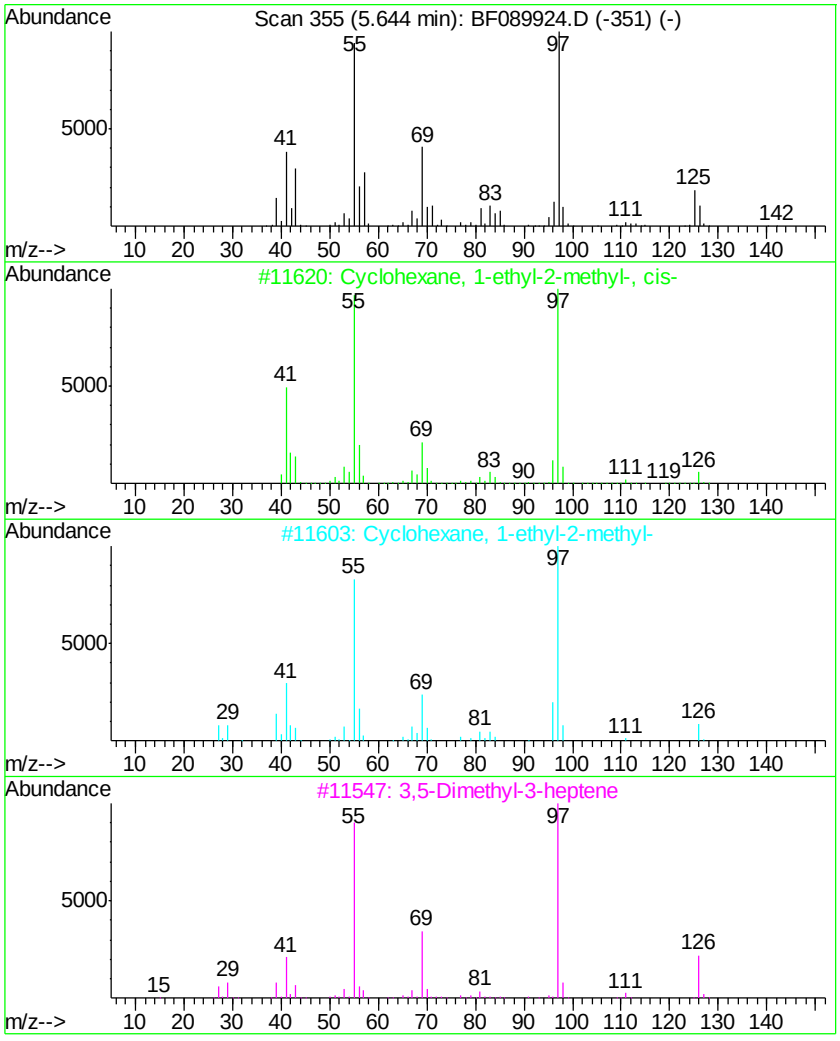
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

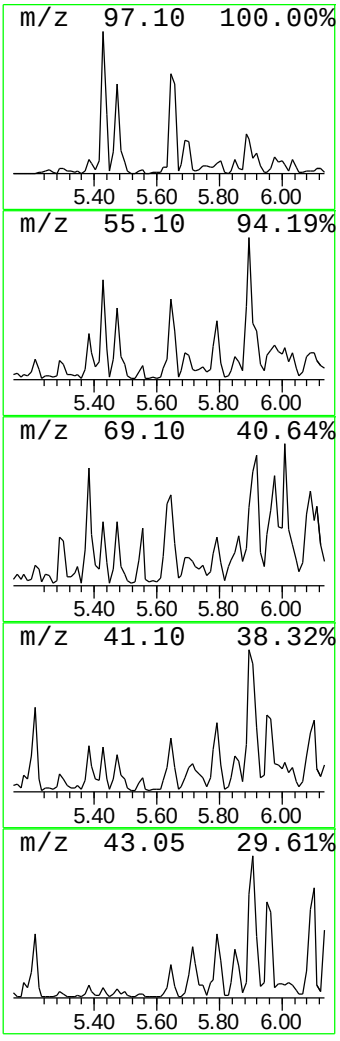
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	13.54 ng	3120520	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	87
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	59
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
5	4-Octen-3-one	126	C8H14O	014129-48-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

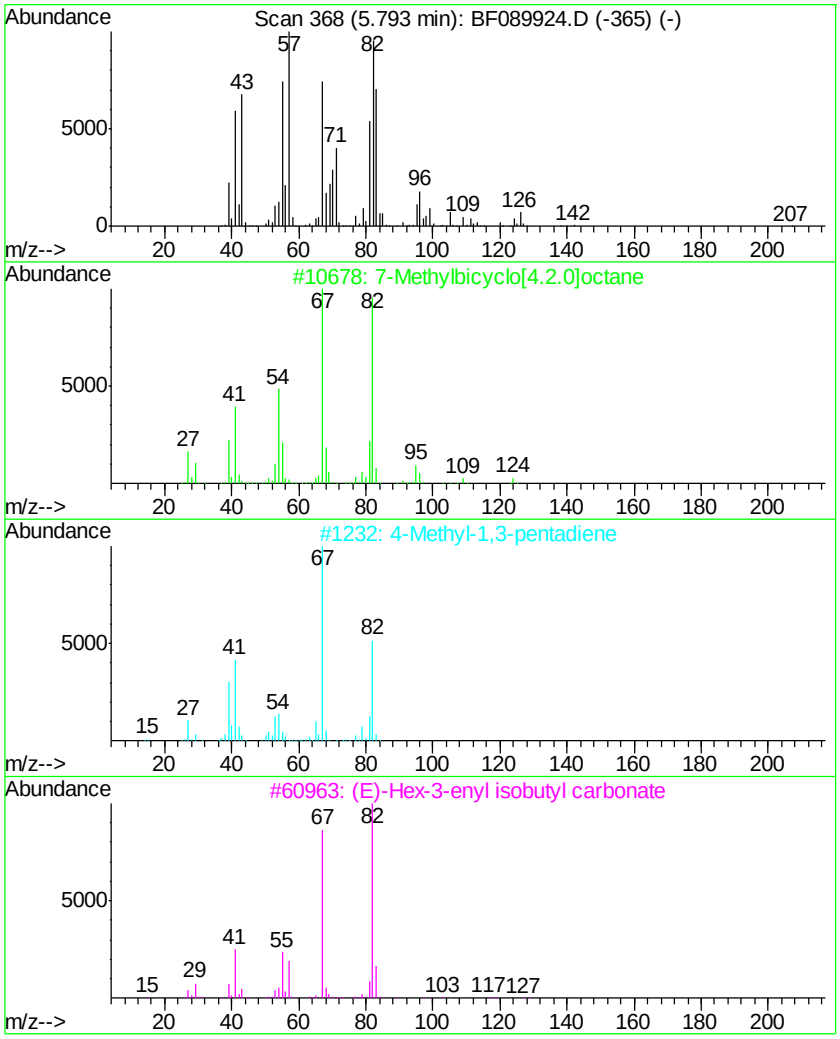
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

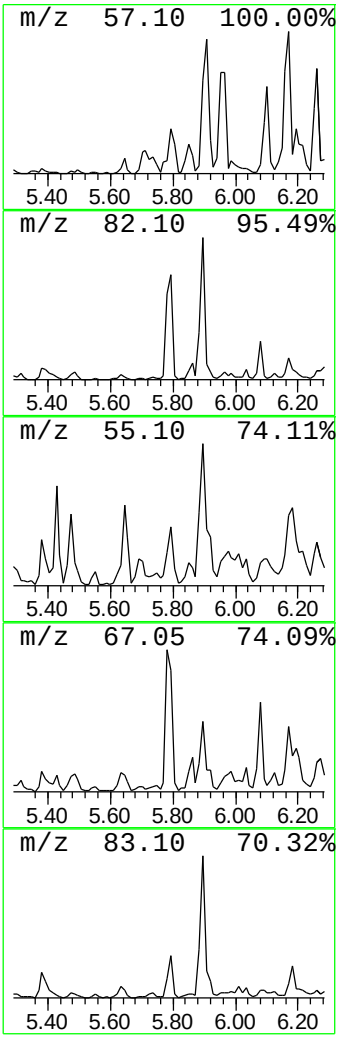
****

Peak Number 3 unknown5.79 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	19.32 ng	4453470	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	43
2	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	43
3	(E)-Hex-3-enyl isobutyl carbonate	200	C11H20O3	1000372-74-9	43
4	Cyclopentane, methylene-	82	C6H10	001528-30-9	38
5	Cyclohexanemethanol	114	C7H14O	000100-49-2	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

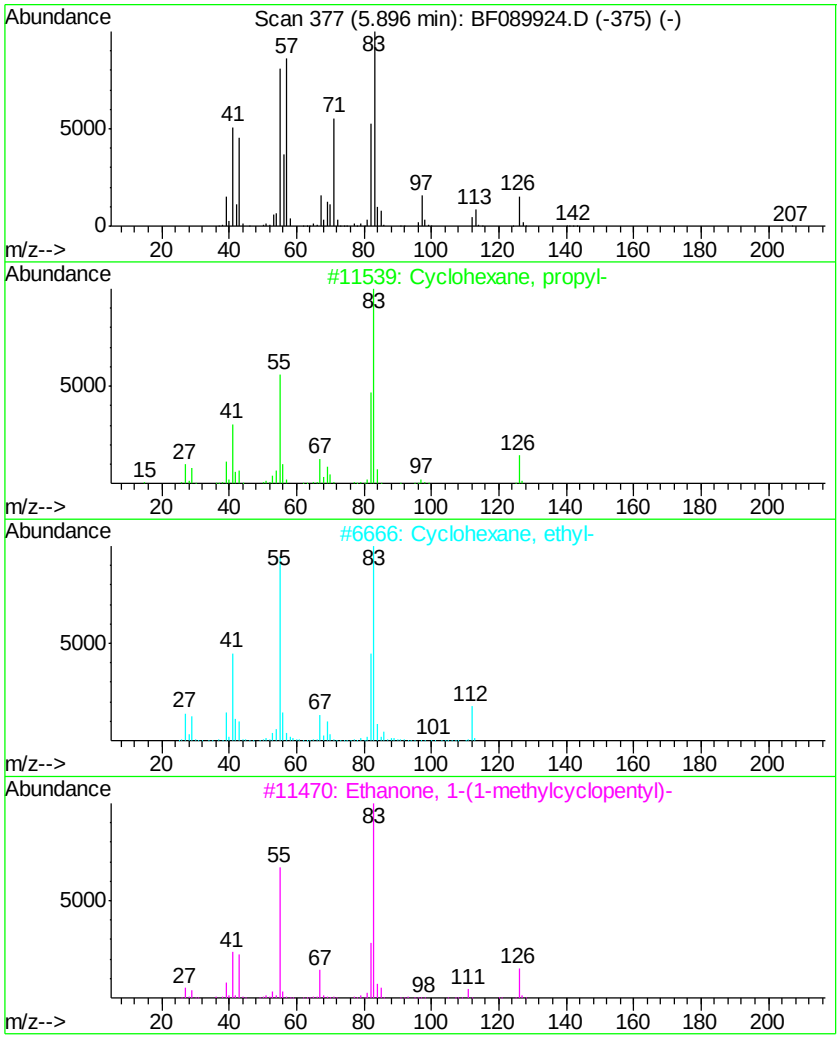
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

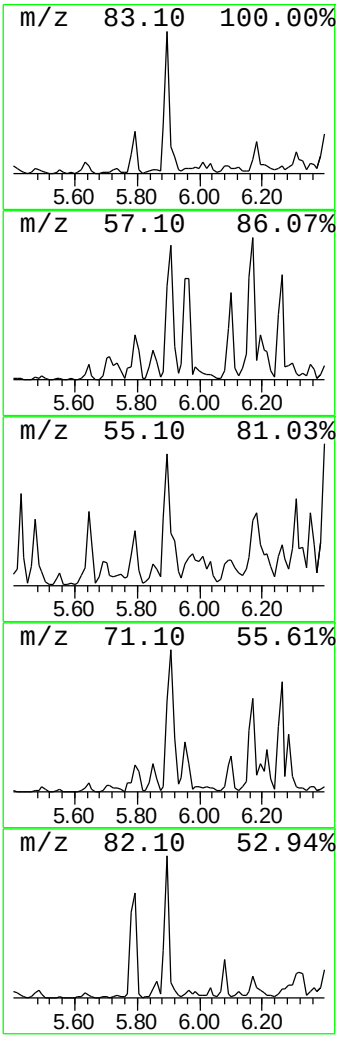
****

Peak Number 4 Cyclohexane, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	37.27 ng	8589840	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
3	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	46
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5	Cycloheptanone, 4-methyl-, (R)-	126	C8H14O	013609-59-1	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

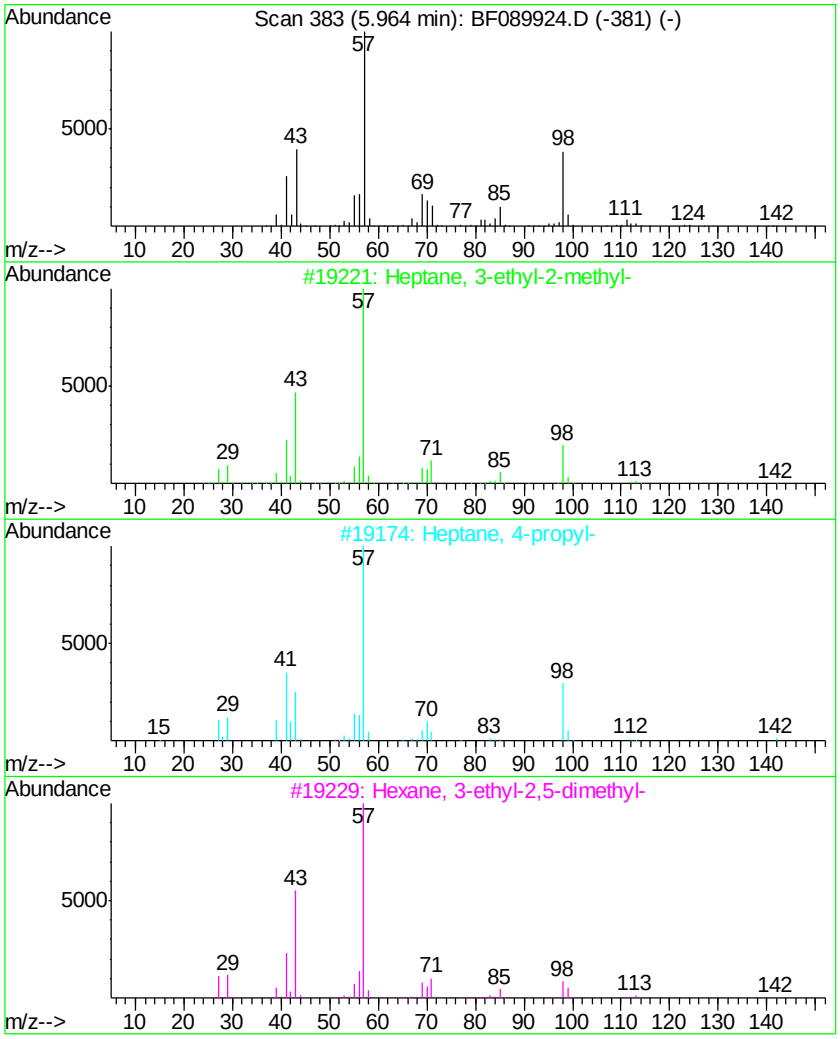
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

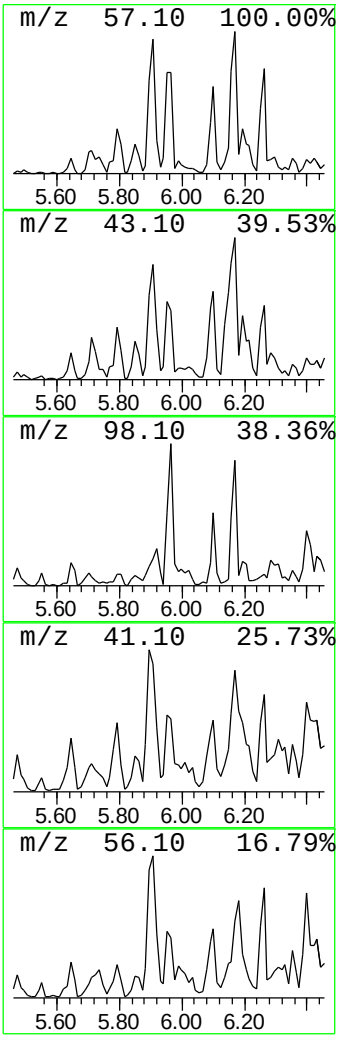
****

Peak Number 5 Heptane, 3-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	18.18 ng	4190710	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	49
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	45
5	Propanoic acid, 2,2-dimethyl-, o...	214	C13H26O2	027751-88-8	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

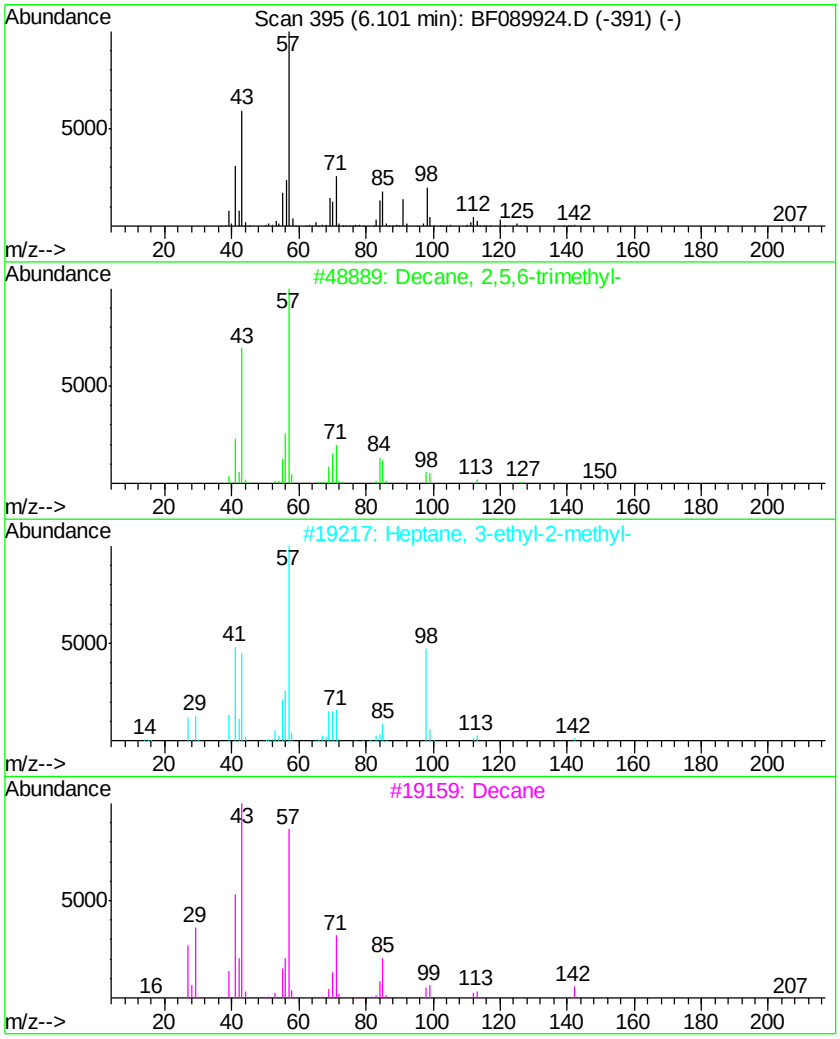
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

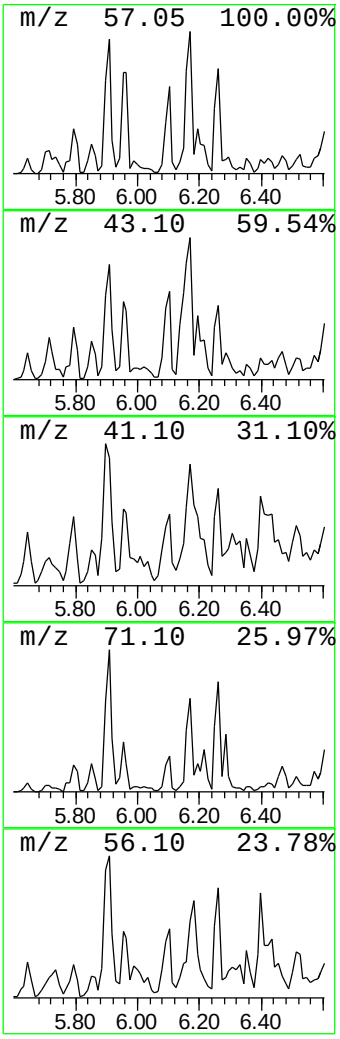
****

Peak Number 6 Decane, 2,5,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	22.63 ng	5215960	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3	Decane	142	C10H22	000124-18-5	47
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	47
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

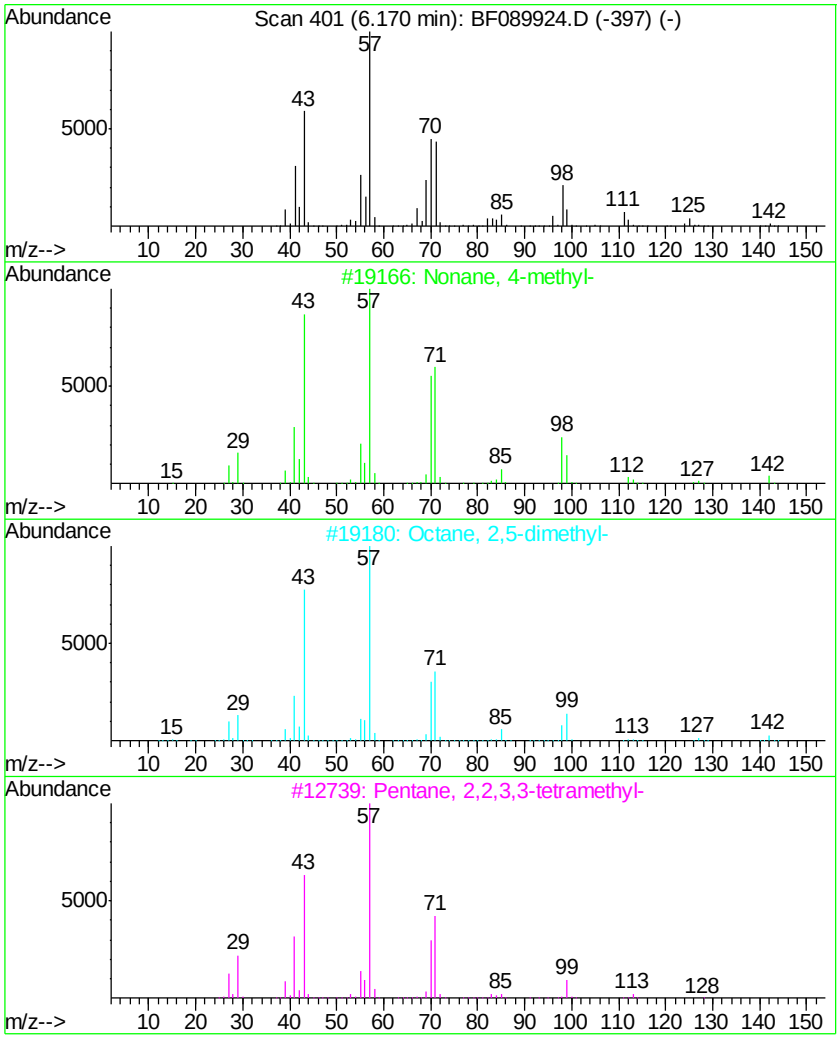
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

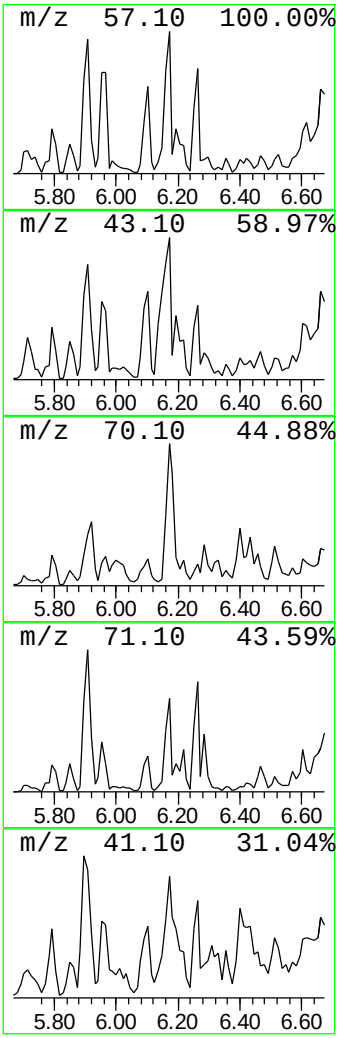
****

Peak Number 7 Nonane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	55.64 ng	12823000	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	43
4	Ether, butyl isopentyl	144	C9H20O	017071-52-2	38
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
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Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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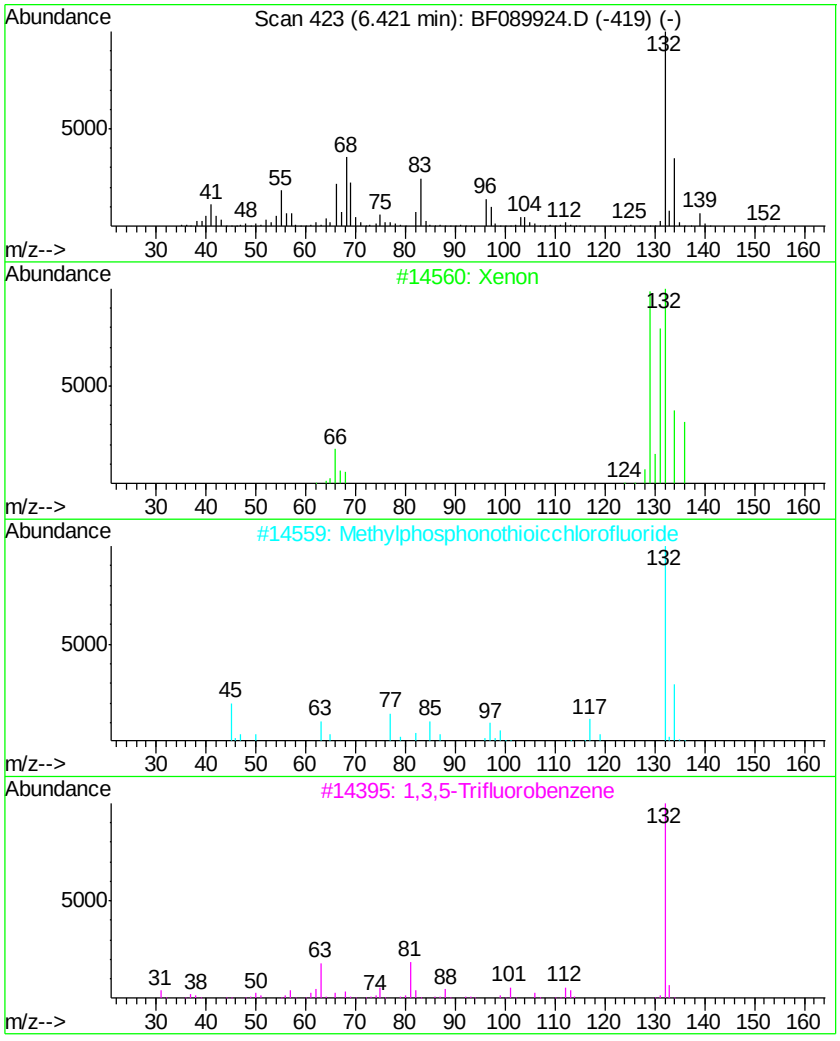
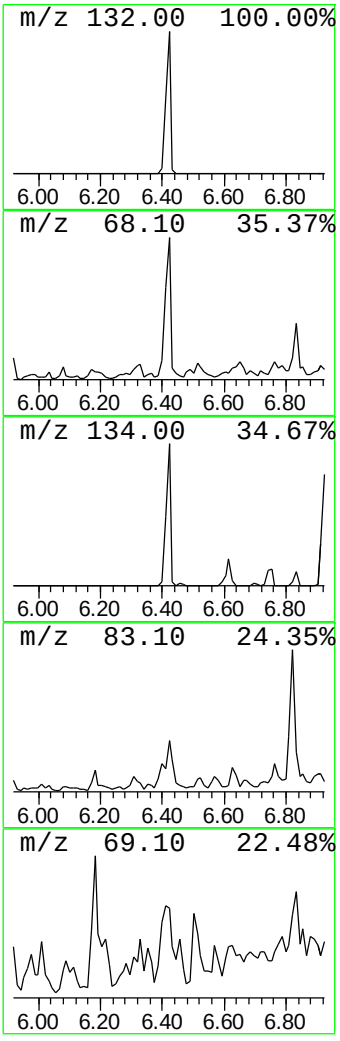
Peak Number 8 unknown6.42 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	67.05 ng	15453900	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xenon	132	Xe	007440-63-3	42
2	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	27
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	18
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9





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Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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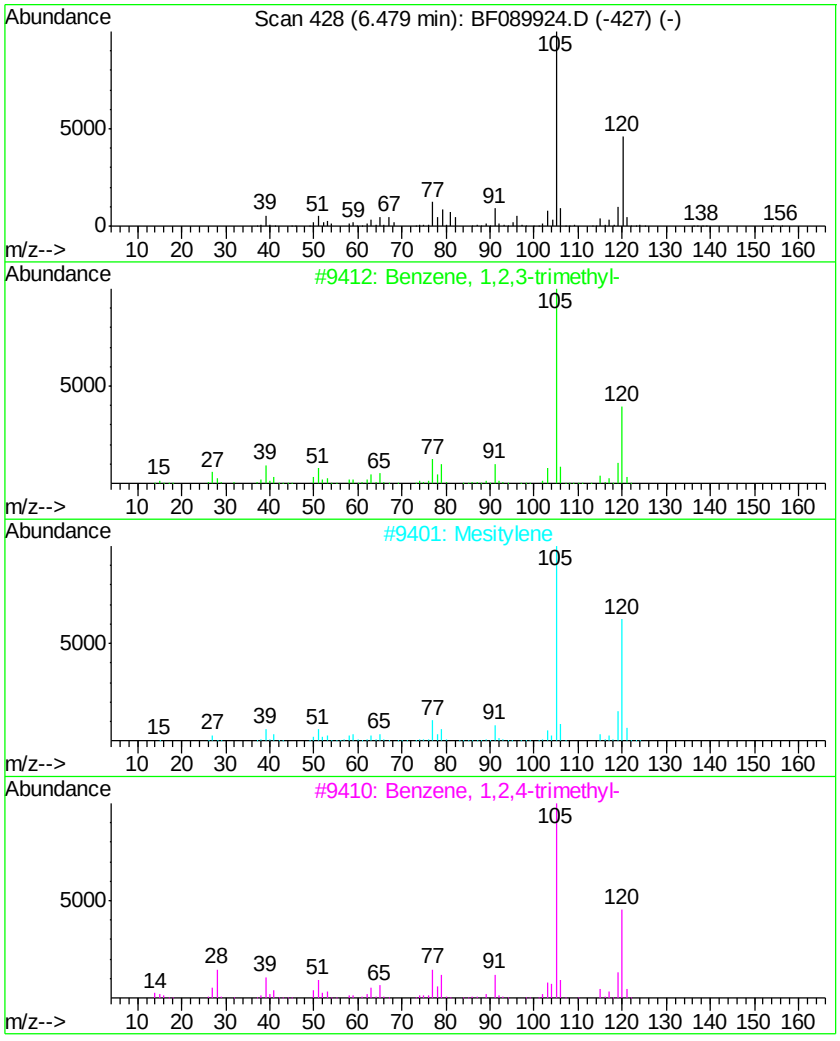
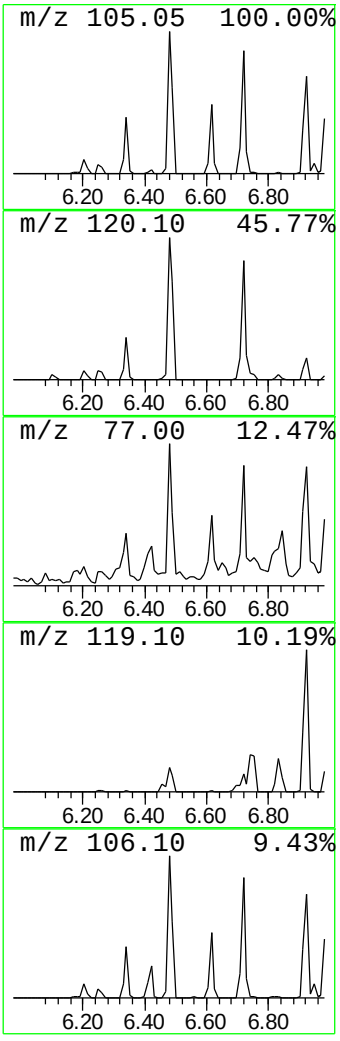
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	17.14 ng	3950120	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Sample : H4596-04
Misc :
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Instrument : BNA_F
ClientSampleId : RW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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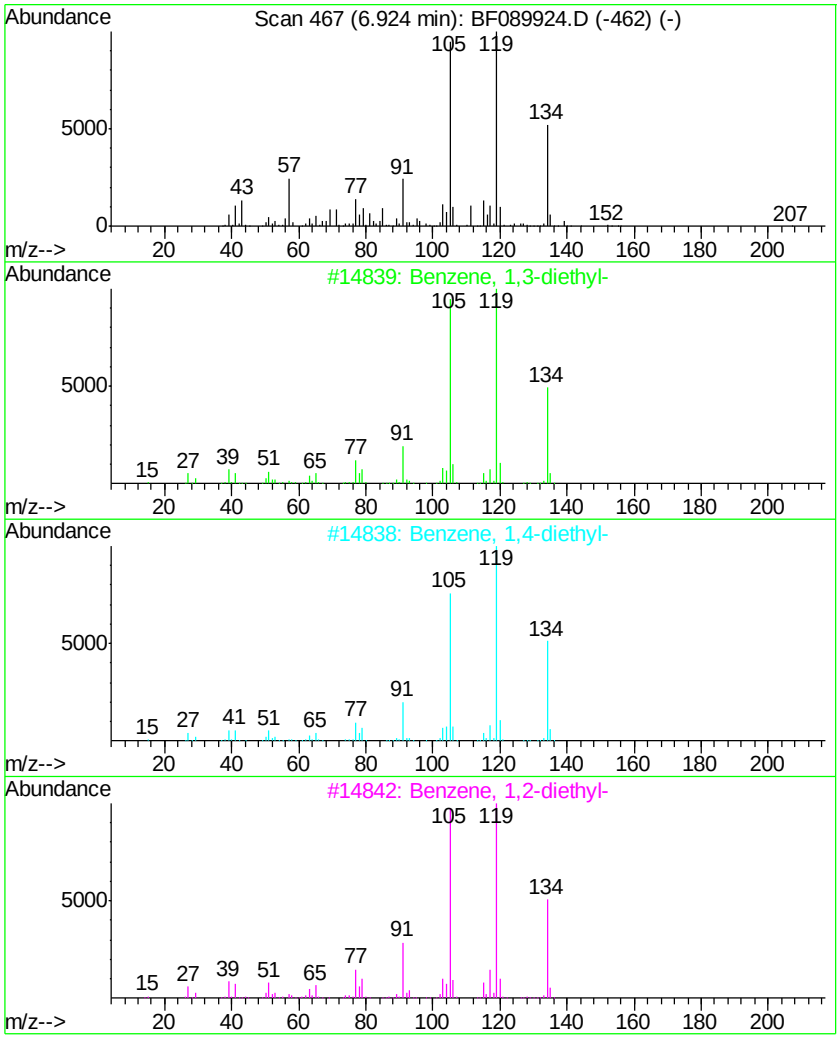
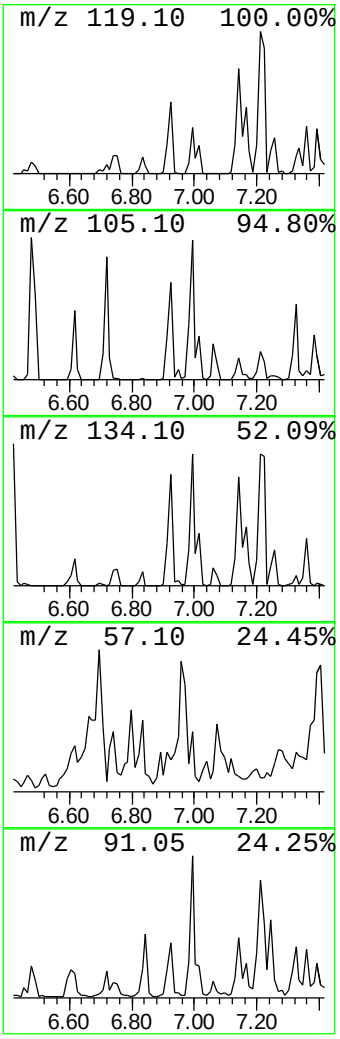
Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	44.57 ng	10272700	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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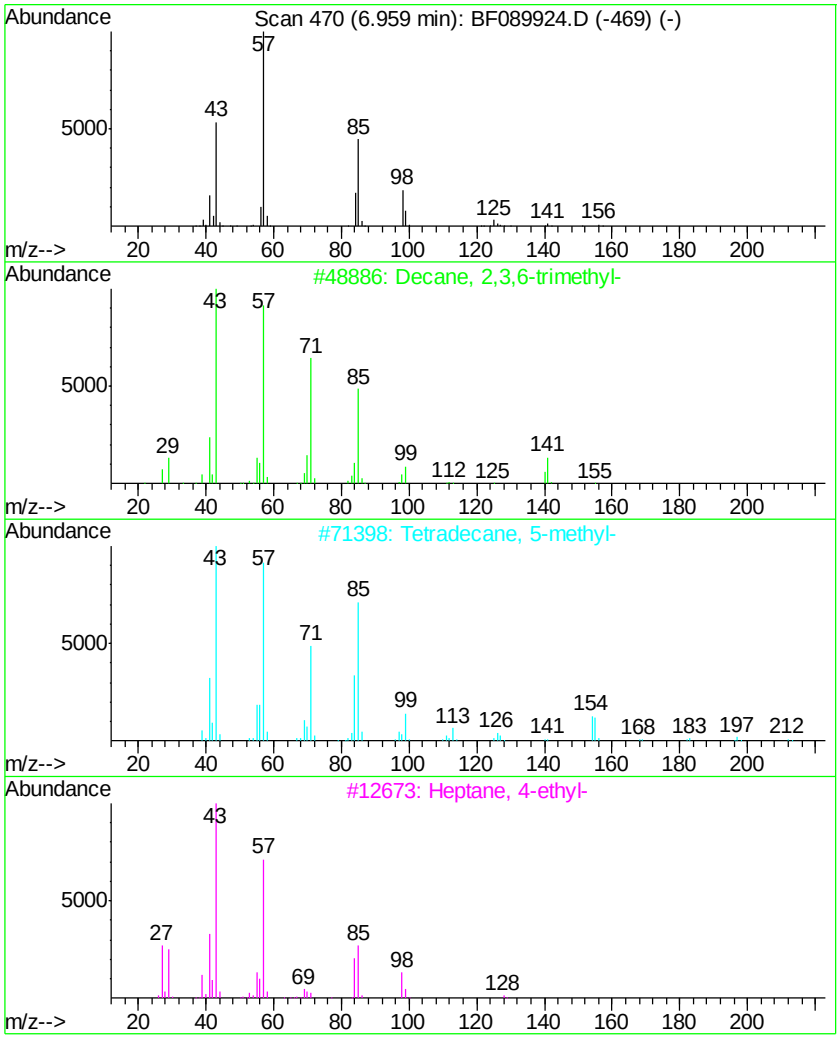
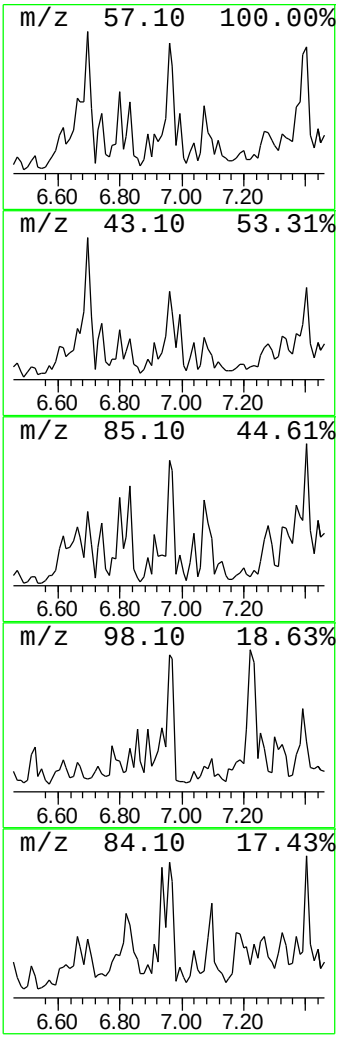
Peak Number 12 Decane, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	15.88 ng	3661050	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	56
2	Tetradecane, 5-methyl-	212	C15H32	025117-32-2	53
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
4	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50
5	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	50





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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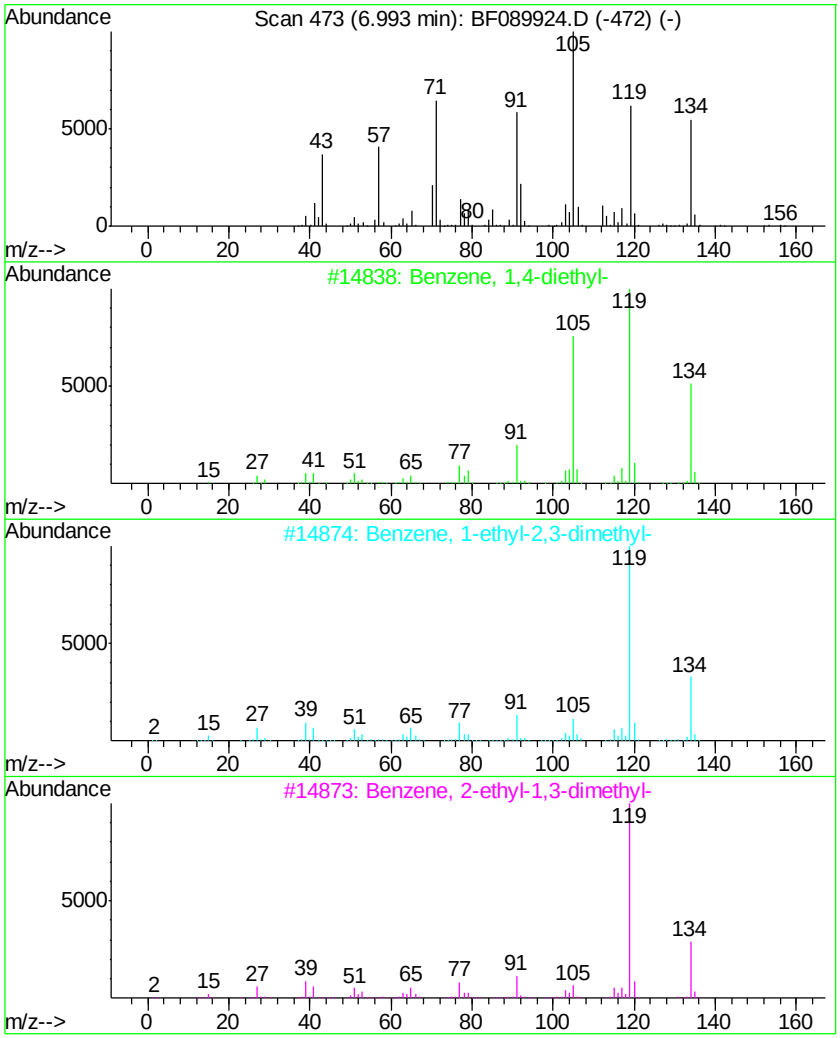
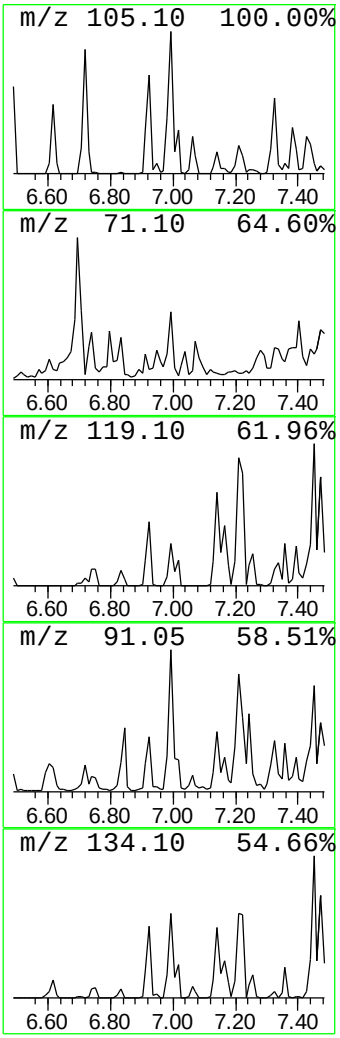
Peak Number 13 Benzene, 1,4-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	14.85 ng	3421850	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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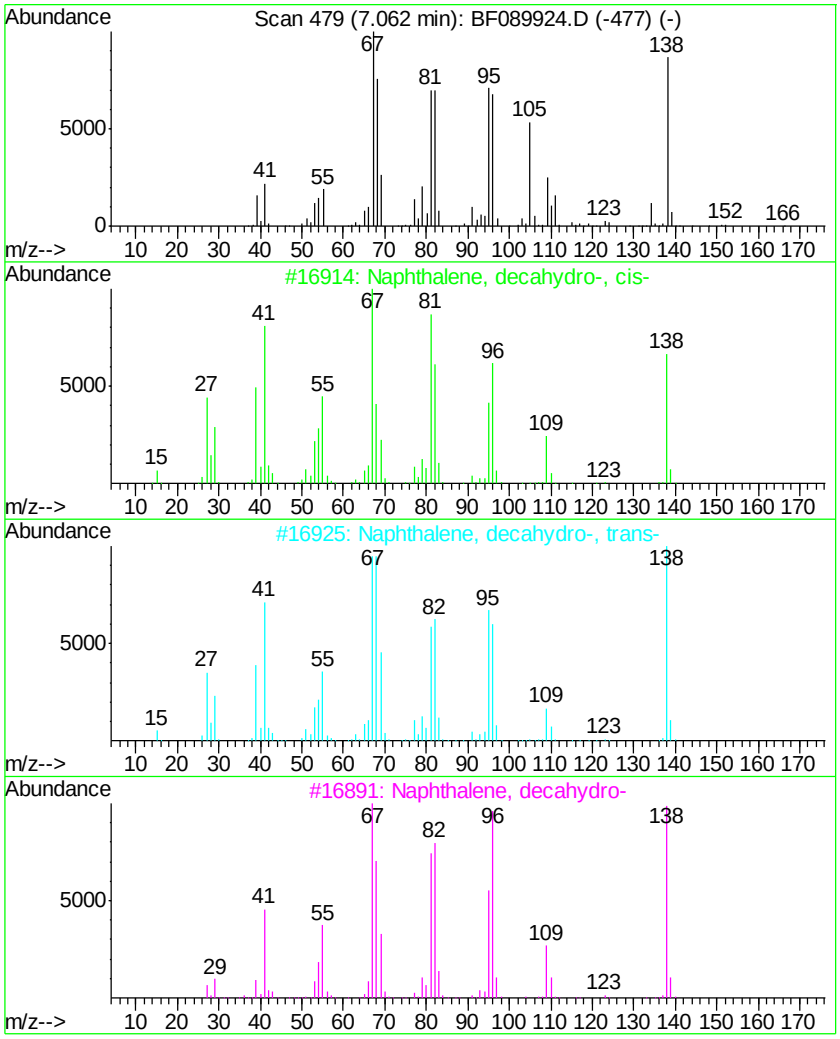
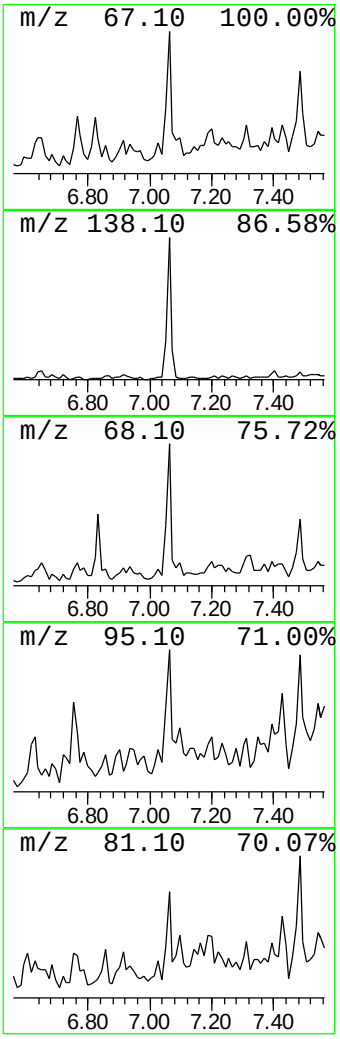
Peak Number 14 Naphthalene, decahydro-, cis- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	19.87 ng	4579560	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	55





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

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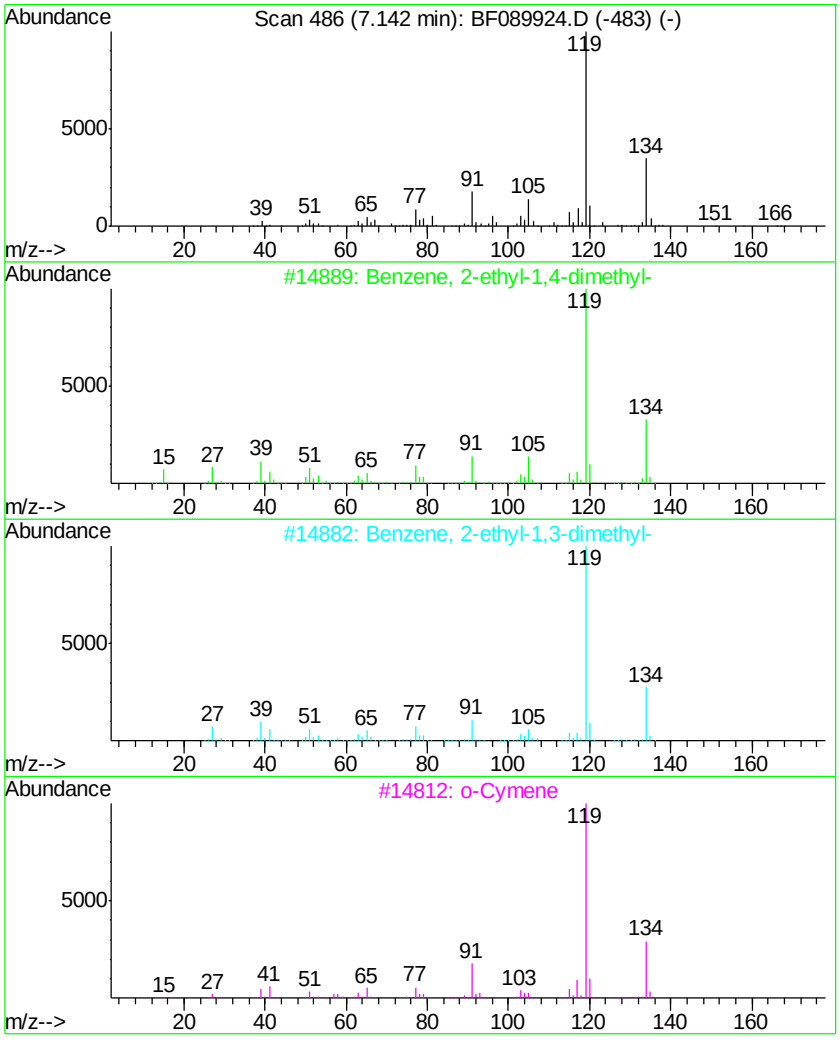
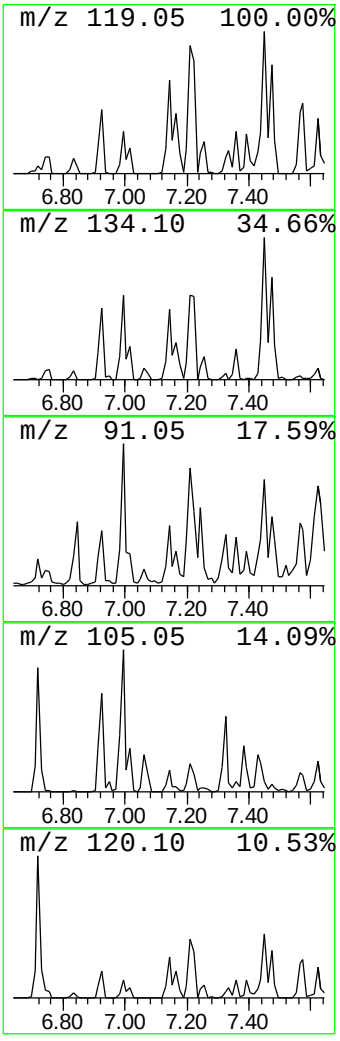
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	15.74 ng	3628610	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Misc :
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ClientSampleId : RW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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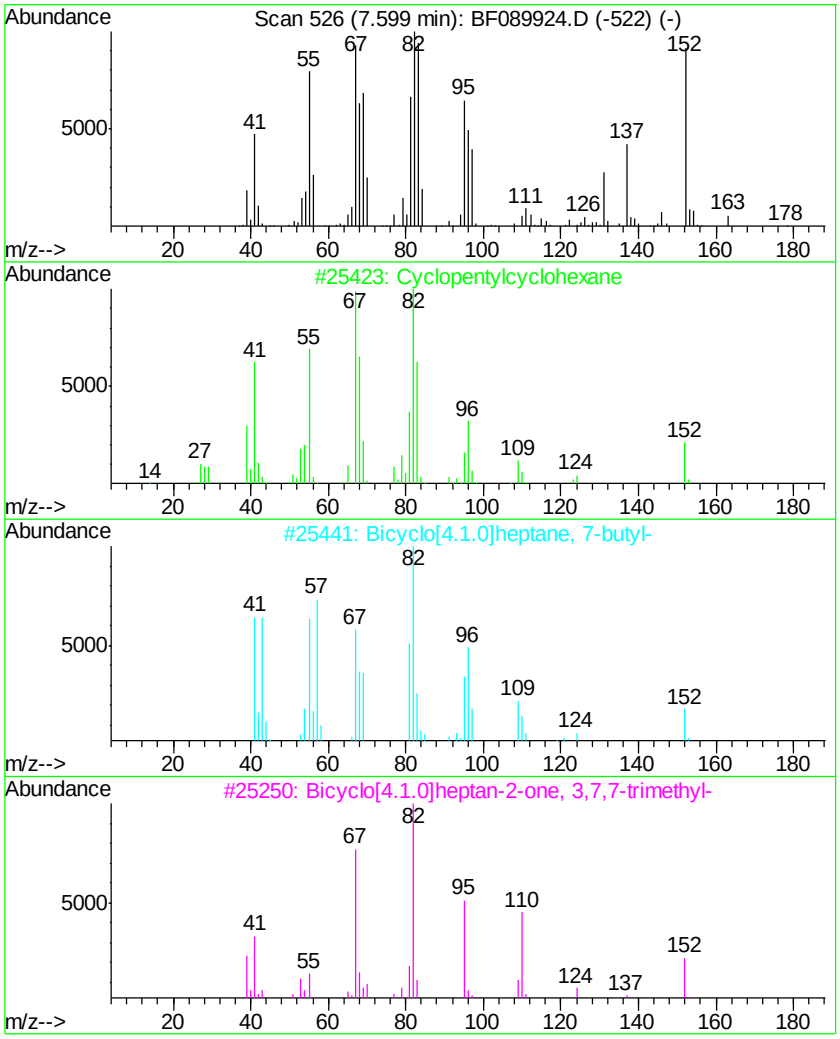
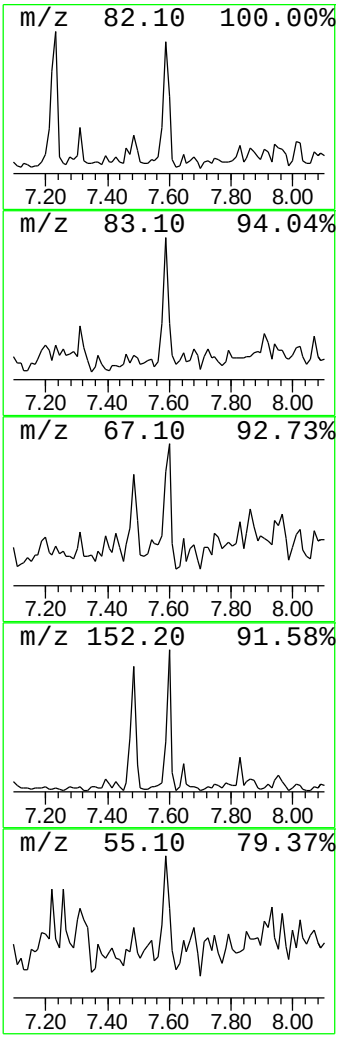
Peak Number 16 Cyclopentylcyclohexane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	14.36 ng	10217100	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentylcyclohexane	152	C11H20	001606-08-2	76
2	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	52
3	Bicyclo[4.1.0]heptan-2-one, 3,7,...	152	C10H16O	000497-62-1	43
4	Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	38
5	(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-74-1	35





Library Search Compound Report

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Misc :
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ClientSampleId : RW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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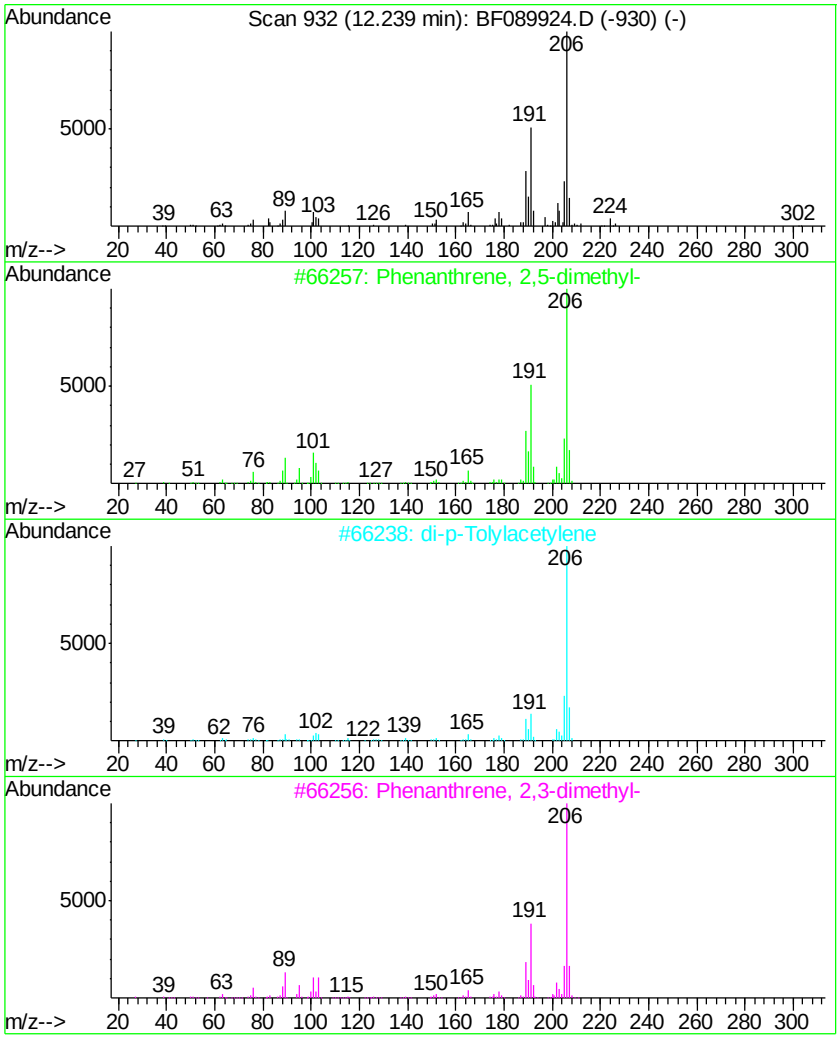
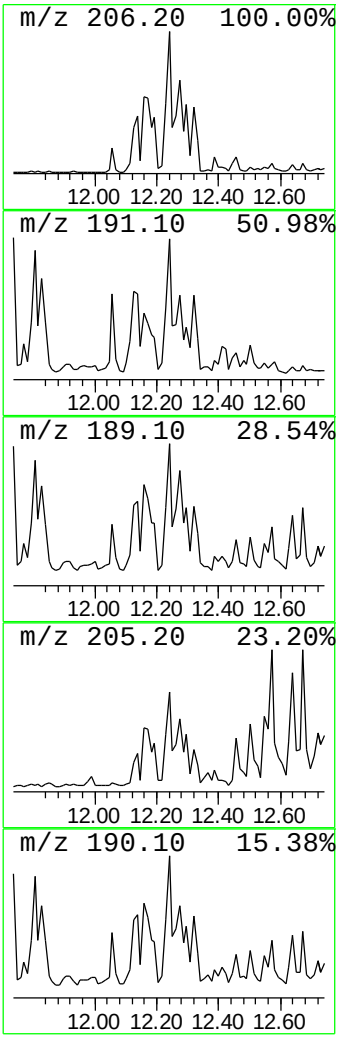
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	20.00 ng	2712080	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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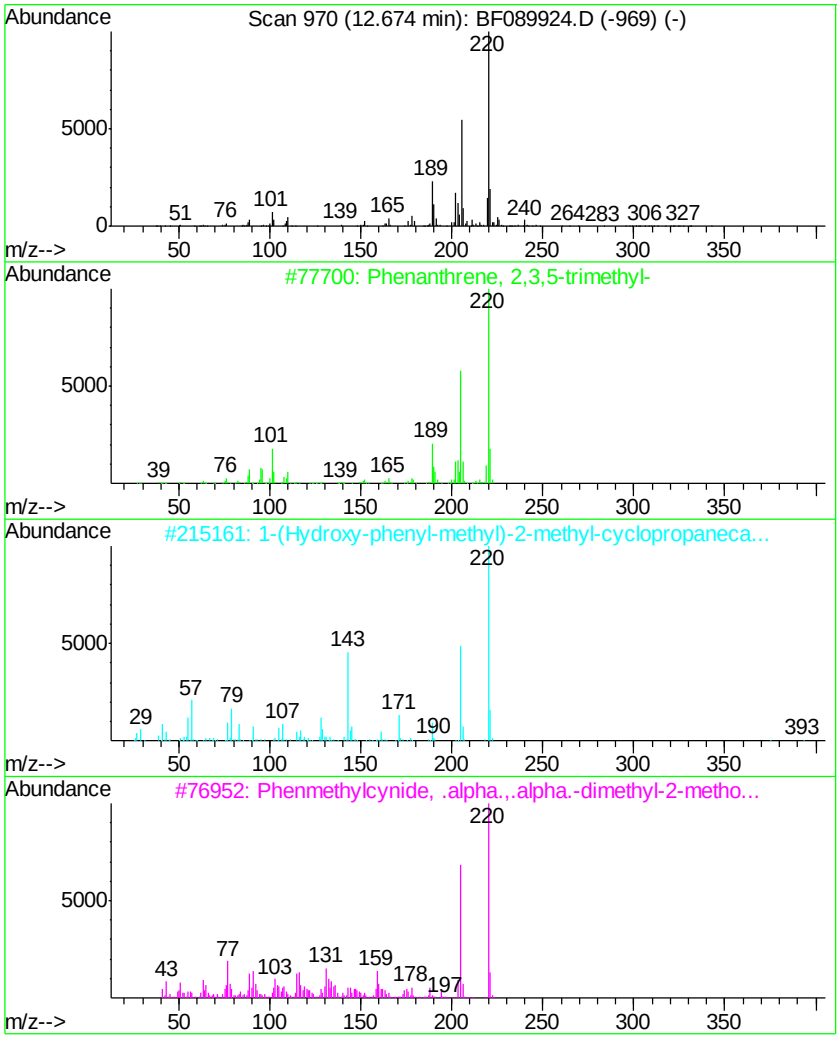
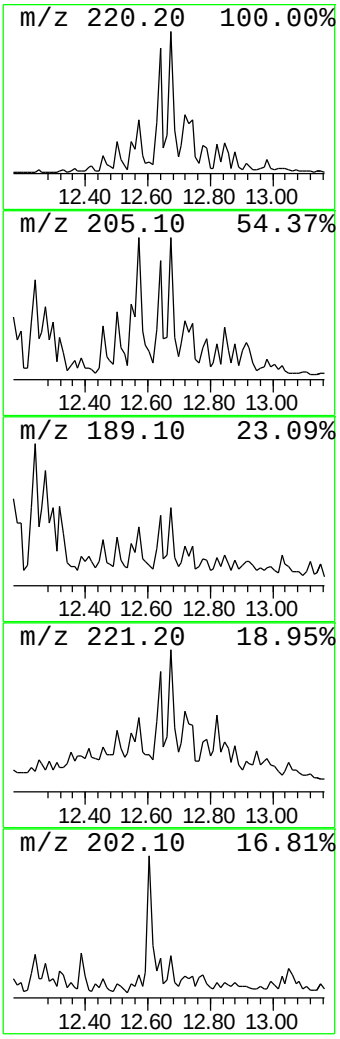
Peak Number 18 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	16.46 ng	1270090	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	59
3	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	59
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
5	1,4-Dimethoxy-6,7,8,9-tetrahydro...	220	C13H16O3	079381-09-2	49





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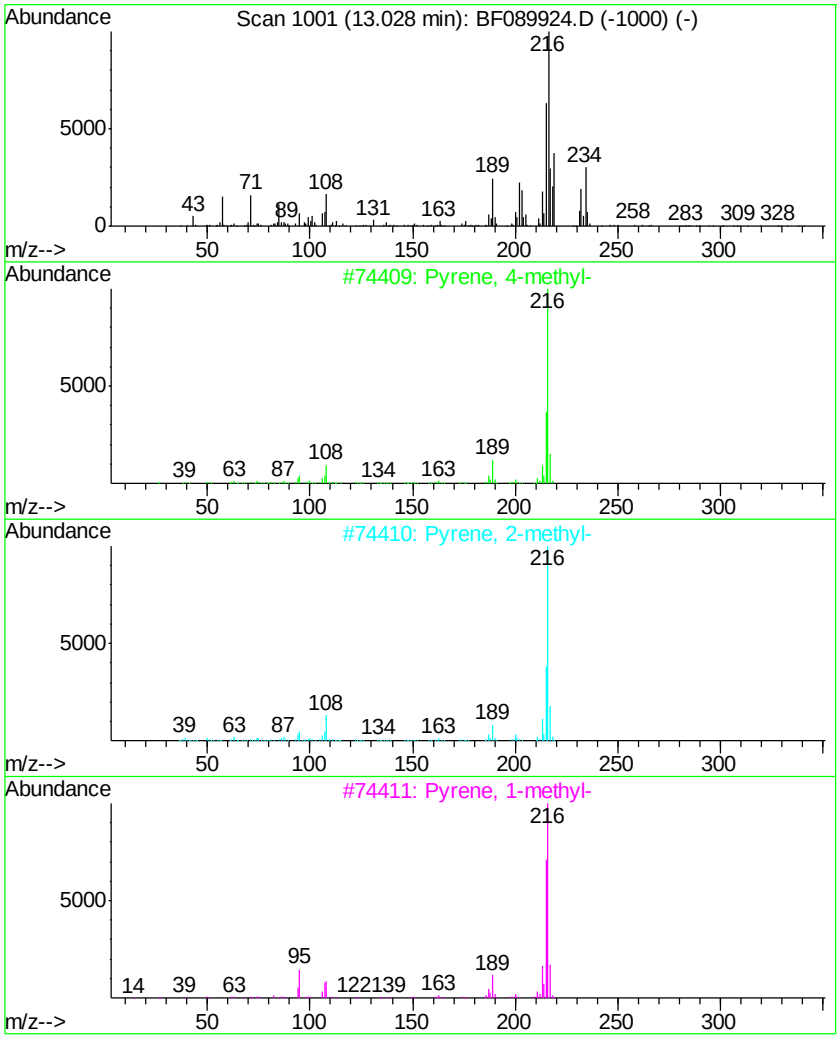
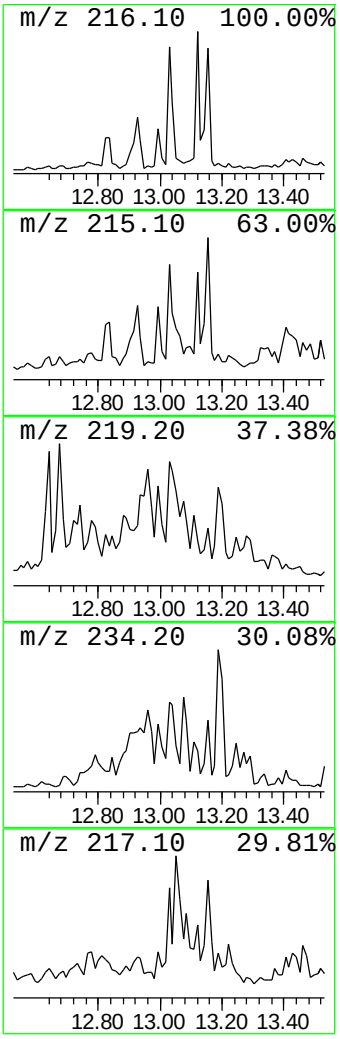
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	39.74 ng	3065990	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	55
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	45





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ALS Vial : 13 Sample Multiplier: 1

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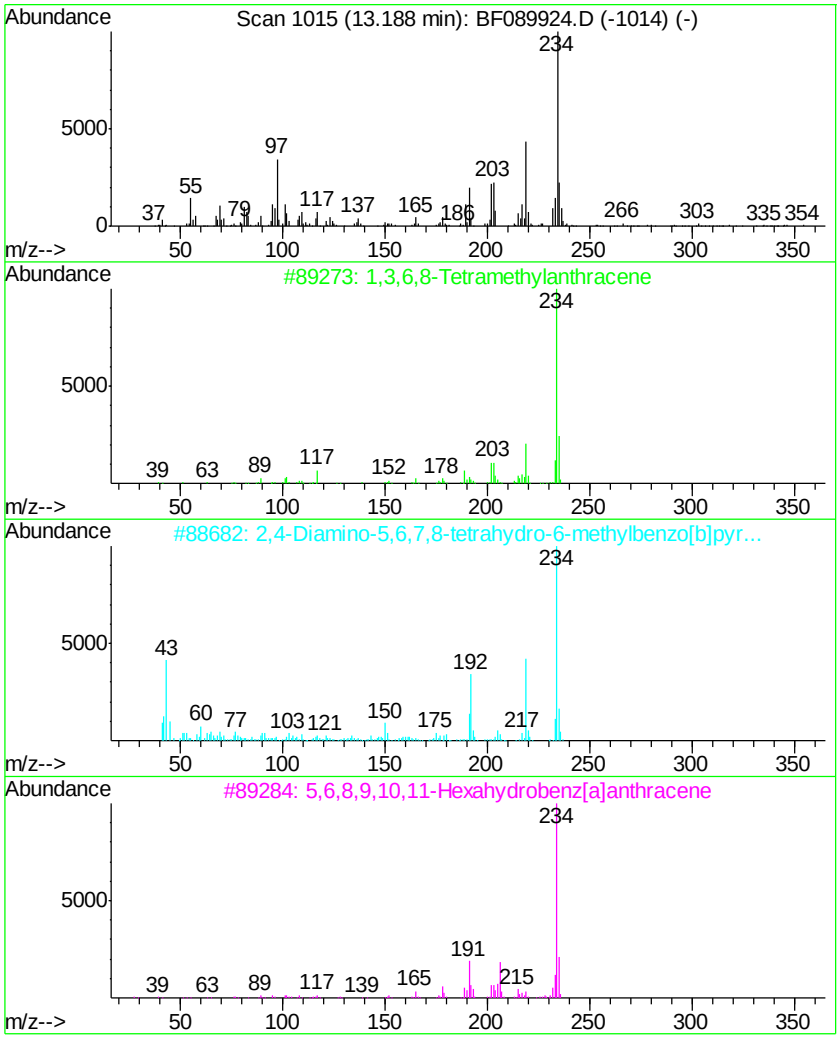
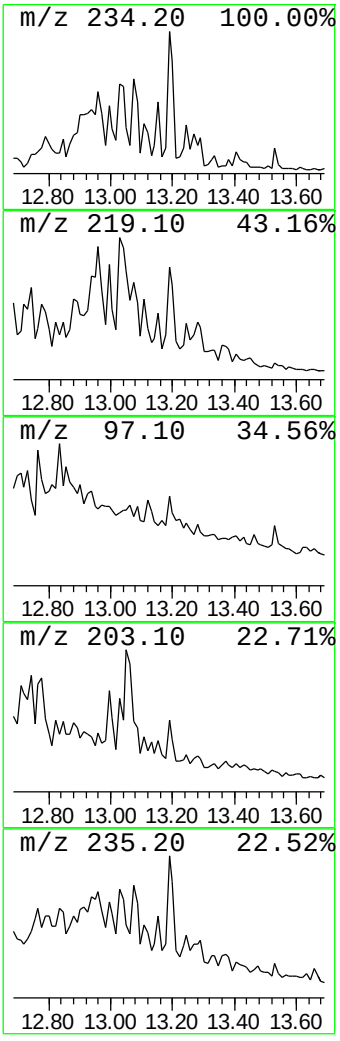
Peak Number 20 1,3,6,8-Tetramethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	23.15 ng	1786260	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6,8-Tetramethylanthracene	234	C18H18	017526-53-3	55
2	2,4-Diamino-5,6,7,8-tetrahydro-6...	234	C11H14N4S	042159-83-1	50
3	5,6,8,9,10,11-Hexahydrobenz[a]an...	234	C18H18	067064-61-3	49
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	43
5	Thiazol-2-amine, 4-(1-adamantyl)-	234	C13H18N2S	019735-74-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
Data File : BF089924.D
Acq On : 26 Aug 2016 22:57
Operator : UM/SJ
Sample : H4596-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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
Cyclohexane, 1-et...	5.64	13.5	ng	3120520	1	6.65	4609670	20.0
unknown5.79	5.79	19.3	ng	4453470	1	6.65	4609670	20.0
Cyclohexane, propyl-	5.90	37.3	ng	8589840	1	6.65	4609670	20.0
Heptane, 3-ethyl-...	5.96	18.2	ng	4190710	1	6.65	4609670	20.0
Decane, 2,5,6-tri...	6.10	22.6	ng	5215960	1	6.65	4609670	20.0
Nonane, 4-methyl-	6.17	55.6	ng	12823000	1	6.65	4609670	20.0
unknown6.42	6.42	67.0	ng	15453900	1	6.65	4609670	20.0
Benzene, 1,2,3-tr...	6.48	17.1	ng	3950120	1	6.65	4609670	20.0
Benzene, 1,3-diet...	6.92	44.6	ng	10272700	1	6.65	4609670	20.0
Decane, 2,3,6-tri...	6.96	15.9	ng	3661050	1	6.65	4609670	20.0
Benzene, 1,4-diet...	6.99	14.9	ng	3421850	1	6.65	4609670	20.0
Naphthalene, deca...	7.06	19.9	ng	4579560	1	6.65	4609670	20.0
Benzene, 2-ethyl-...	7.14	15.7	ng	3628610	1	6.65	4609670	20.0
Cyclopentylcycloh...	7.60	14.4	ng	10217100	2	7.95	14227400	20.0
Phenanthrene, 2,5...	12.24	20.0	ng	2712080	4	11.20	2712080	20.0
Phenanthrene, 2,3...	12.67	16.5	ng	1270090	5	13.78	1543010	20.0
Pyrene, 4-methyl-	13.03	39.7	ng	3065990	5	13.78	1543010	20.0
1,3,6,8-Tetrameth...	13.19	23.1	ng	1786260	5	13.78	1543010	20.0