LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

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-BF012417.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	5.139	265	267	270	rBV	440690	523799	21.31%	1.025%
2	5.561	301	304	307	rVB	1546205	1374040	55.89%	2.688%
3	6.213	358	361	364	rBV	131285	207461	8.44%	0.406%
4	6.407	375	378	380	rBV	76628	103179	4.20%	0.202%
5	6.499	384	386	390	rVB	142415	187652	7.63%	0.367%
6	6.590	392	394	398	rVB	1476632	1445692	58.80%	2.828%
7	6.739	403	407	409	rBV	1563433	1557004	63.33%	3.046%
8	6.807	411	413	417	rBV	325901	396984	16.15%	0.777%
9	6.979	426	428	431	rVB2	777702	1100596	44.77%	2.153%
10	7.036	431	433	435	rBV	129246	142571	5.80%	0.279%
11	7.127	439	441	443	rBV	1132234	1149655	46.76%	2.249%
12	7.253	449	452	453	rBV	230621	231821	9.43%	0.454%
13	7.287	453	455	457	rBV2	78757	137625	5.60%	0.269%
14	7.367	460	462	464	rBV2	166970	235434	9.58%	0.461%
15	7.539	472	477	478	rBV	731581	985016	40.07%	1.927%
16	7.573	478	480	482	rVB	697205	827346	33.65%	1.619%
17	7.630	482	485	486	rBV2	174113	255990	10.41%	0.501%
18	7.687	486	490	492	rBV3	99230	235922	9.60%	0.462%
19	7.767	492	497	498	rBV2	117938	245180	9.97%	0.480%
20	7.790	498	499	500	rVB	169383	116197	4.73%	0.227%
21	7.882	503	507	508	rBV2	160460	240026	9.76%	0.470%
22	7.905	508	509	511	rVB2	192996	180116	7.33%	0.352%
23	7.950	511	513	514	rVB	130428	160477	6.53%	0.314%
24	7.985	514	516	517	rBV	157289	153665	6.25%	0.301%
25	8.019	517	519	521	rVB2	245530	339182	13.80%	0.664%
26	8.065	521	523	524	rBV	112753	128845	5.24%	0.252%
27	8.145	528	530	531	rBV2	103720	140297	5.71%	0.274%
28	8.225	534	537	538	rBV3	75768	168118	6.84%	0.329%
29	8.247	538	539	542	rVV2	1455635	2376744	96.67%	4.650%
30	8.293	542	543	544	rVV	120457	100641	4.09%	0.197%
31	8.327	544	546	548	rVV	635011	533365	21.69%	1.043%
32	8.362	548	549	553	rVB3	101995	149421	6.08%	0.292%
33	8.442	553	556	557	rBV2	74292	145775	5.93%	0.285%
34	8.476	557	559	560	rVB2	169322	148070	6.02%	0.290%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.567	563	567	570	rBV4	275367	518265	21.08%	1.014%
36	8.613	570	571	573	rBV2	171707	175674	7.15%	0.344%
37	8.648	573	574	576	rVB	318638	295815	12.03%	0.579%
38	8.693	576	578	579	rBV	961682	804758	32.73%	1.574%
39	8.716	579	580	583	rVB2	178987	228213	9.28%	0.446%
40	8.773	583	585	587	rBV3	116940	126813	5.16%	0.248%
41	8.819	587	589	591	rBV	135971	258208	10.50%	0.505%
42	8.865	591	593	595	rVV	2018959	1626480	66.16%	3.182%
43	8.933	595	599	600	rVV4	122211	272747	11.09%	0.534%
44	8.956	600	601	603	rVV2	133094	201799	8.21%	0.395%
45	9.025	605	607	608	rBV	106840	99823	4.06%	0.195%
46	9.059	608	610	611	rBV2	78499	127033	5.17%	0.249%
47	9.082	611	612	615	rVB2	133911	141123	5.74%	0.276%
48	9.150	617	618	619	rBV	167613	190878	7.76%	0.373%
49	9.185	619	621	623	rVB3	205074	338486	13.77%	0.662%
50	9.230	623	625	627	rVB	285624	255489	10.39%	0.500%
51	9.276	627	629	630	rBV	156667	254294	10.34%	0.498%
52	9.299	630	631	633	rVB	843050	617698	25.12%	1.208%
53	9.345	633	635	638	rVB	912169	1258416	51.19%	2.462%
54	9.436	640	643	645	rBV	1700630	1665048	67.73%	3.257%
55	9.482	645	647	648	rVV	67469	123339	5.02%	0.241%
56	9.619	656	659	661	rBV2	122825	184897	7.52%	0.362%
57	9.688	664	665	666	rVV	232196	231443	9.41%	0.453%
58	9.756	669	671	672	rVV2	916776	1125656	45.79%	2.202%
59	9.813	674	676	677	rBV	173687	144864	5.89%	0.283%
60	9.905	682	684	685	rVV2	121321	170633	6.94%	0.334%
61	9.962	687	689	692	rVV	1085682	1152540	46.88%	2.255%
62	10.030	693	695	697	rVV	911149	1065774	43.35%	2.085%
63	10.065	697	698	700	rVV2	85718	129516	5.27%	0.253%
64	10.145	703	705	707	rVB2	80962	101011	4.11%	0.198%
65	10.191	707	709	711	rBV2	91173	183268	7.45%	0.359%
66	10.225	711	712	716	rVV3	147712	276956	11.27%	0.542%
67	10.282	716	717	720	rVV2	177309	226077	9.20%	0.442%
68	10.442	729	731	732	rVV2	93870	143886	5.85%	0.281%
69	10.465	732	733	735	rVV	799450	614911	25.01%	1.203%
70	10.579	741	743	746	rBV2	125124	171495	6.98%	0.336%
71	10.682	750	752	755	rVB	231437	335838	13.66%	0.657%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.819	761	764	766	rBV2	524507	562652	22.89%	1.101%
73	10.945	773	775	778	rBV	419145	715062	29.08%	1.399%
74	11.128	789	791	793	rBV2	96000	135290	5.50%	0.265%
75	11.391	811	814	815	rBV	334379	317411	12.91%	0.621%
76	11.413	815	816	819	rVB	210860	275492	11.21%	0.539%
77	11.528	823	826	829	rBV	745564	1581602	64.33%	3.094%
78	11.596	829	832	834	rVB	193358	188210	7.66%	0.368%
79	11.768	843	847	849	rBV3	92265	214889	8.74%	0.420%
80	11.814	849	851	853	rVV	334797	295710	12.03%	0.579%
81	12.054	870	872	873	rVV2	165714	165213	6.72%	0.323%
82	12.134	877	879	883	rVB2	169365	293348	11.93%	0.574%
83	12.225	885	887	888	rVV	349605	292429	11.89%	0.572%
84	12.454	905	907	908	rBV	77772	110439	4.49%	0.216%
85	12.579	916	918	919	rBV	103613	135495	5.51%	0.265%
86	12.614	919	921	923	rVV	397811	375151	15.26%	0.734%
87	12.739	930	932	934	rVB	648668	547145	22.25%	1.070%
88	12.831	938	940	943	rBV3	120189	234674	9.55%	0.459%
89	12.968	950	952	955	rBV2	546307	781018	31.77%	1.528%
90	13.105	962	964	967	rBV	820111	1168277	47.52%	2.286%
91	13.345	983	985	987	rBV	322972	354274	14.41%	0.693%
92	13.517	997	1000	1002	rBV	1826004	1673706	68.08%	3.274%
93	13.688	1013	1015	1017	rBV	391674	449098	18.27%	0.879%
94	14.168	1054	1057	1058	rBV3	721986	907607	36.92%	1.776%
95	14.328	1069	1071	1074	rBV	290545	501076	20.38%	0.980%
96	14.522	1086	1088	1091	rVB	1140515	1044908	42.50%	2.044%
97	14.648	1097	1099	1102	rBV3	439015	975437	39.68%	1.908%
98	14.728	1102	1106	1108	rBV	1100031	2458541	100.00%	4.810%
99	14.888	1118	1120	1122	rVB	1151877	1116667	45.42%	2.185%
100	16.843	1289	1291	1298	rVB2	466974	980463	39.88%	1.918%

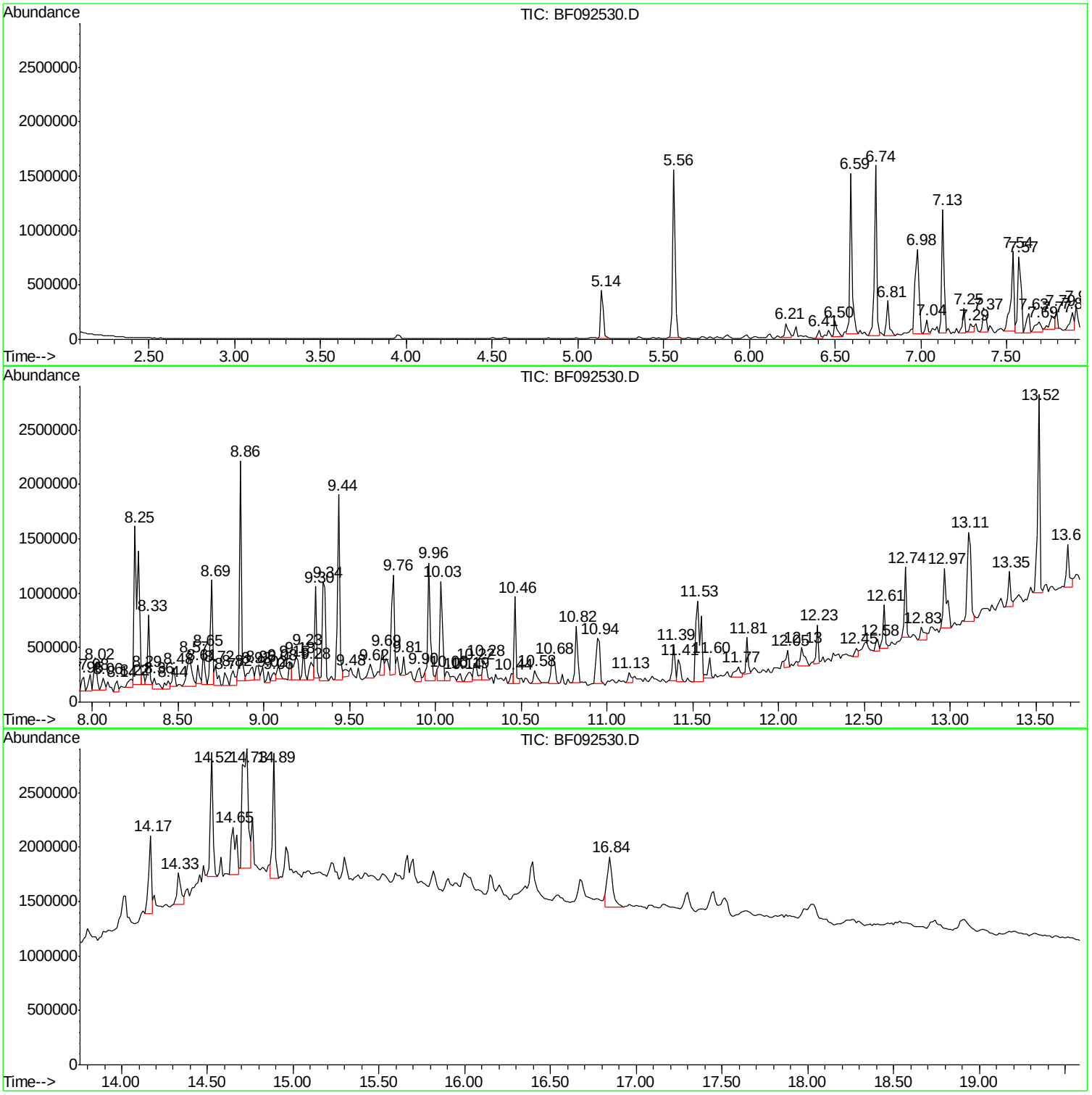
Sum of corrected areas: 51114354

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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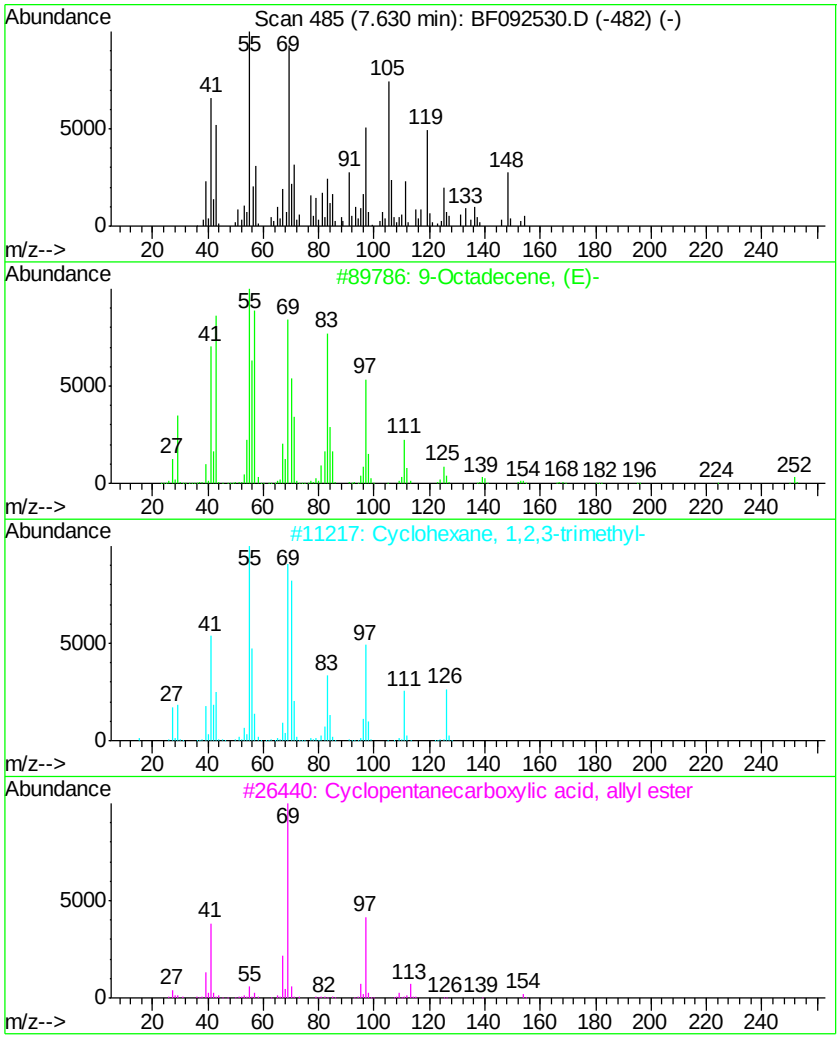
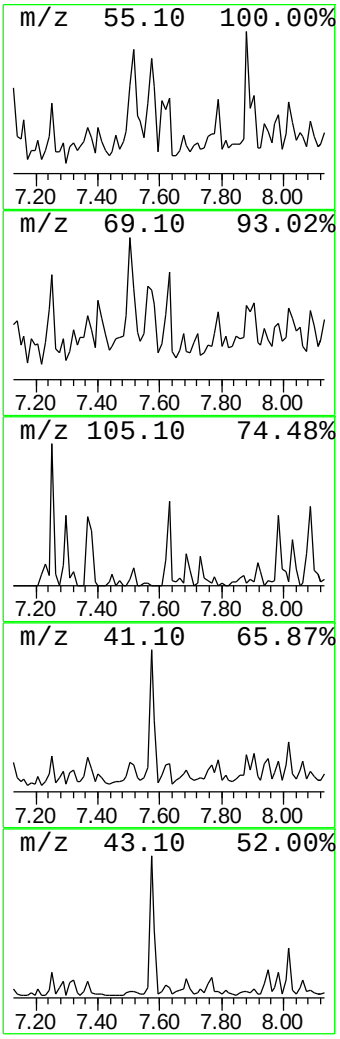
Peak Number 1 unknown7.63 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	50.87 ng	255990	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecene, (E)-	252	C18H36	007206-25-9	38
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	38
3	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	27
4	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	25
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

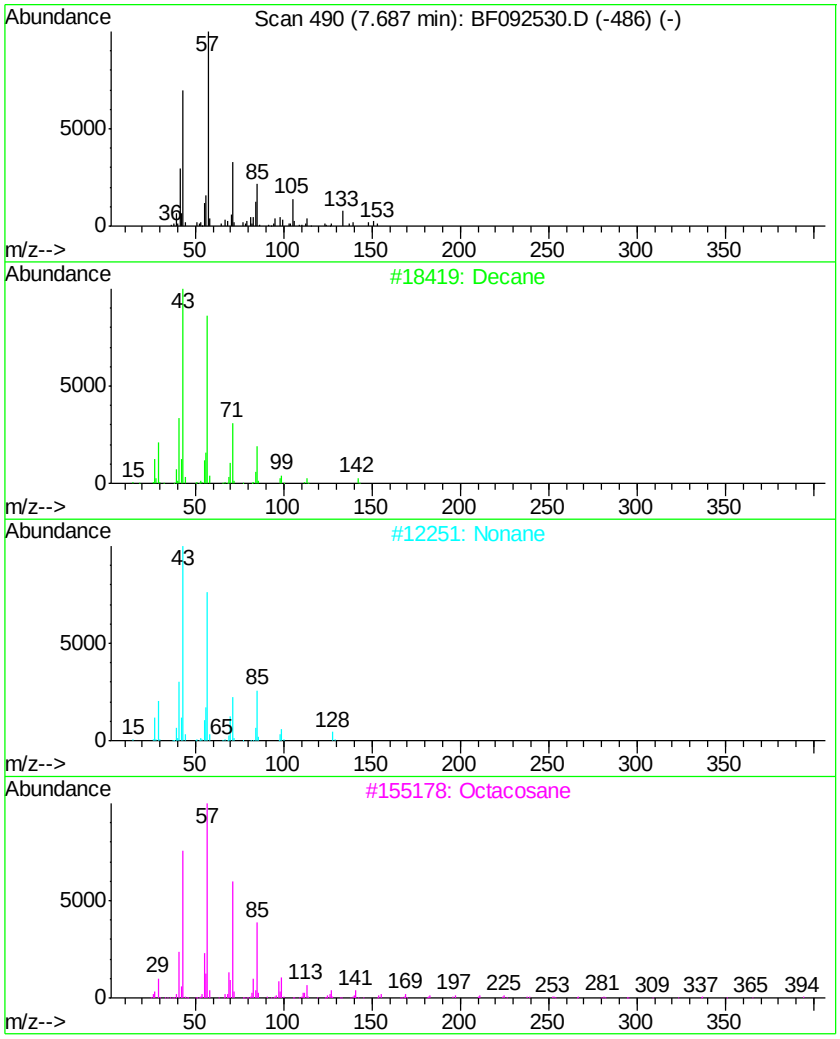
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

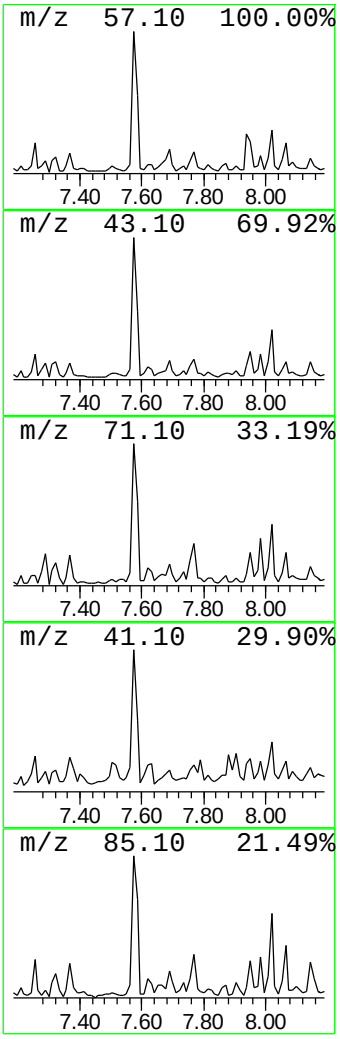
****

Peak Number 2 Decane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	46.88 ng	235922	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	59
2	Nonane	128	C9H20	000111-84-2	53
3	Octacosane	394	C28H58	000630-02-4	53
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	47
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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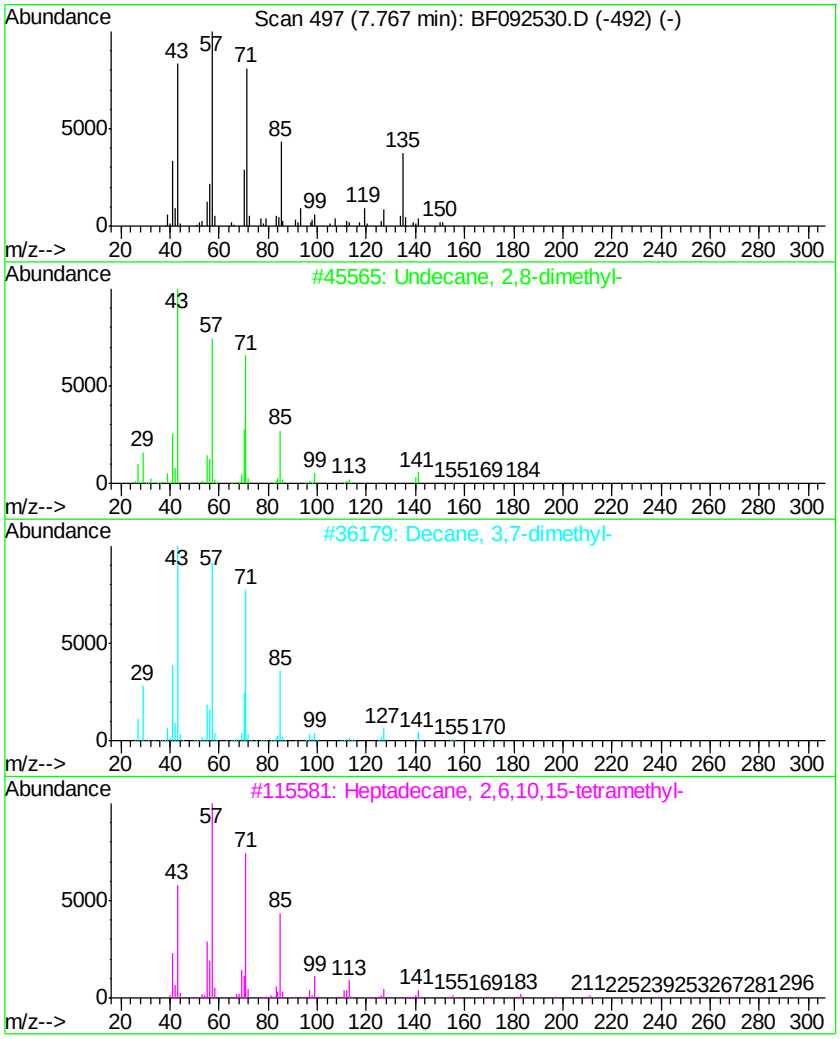
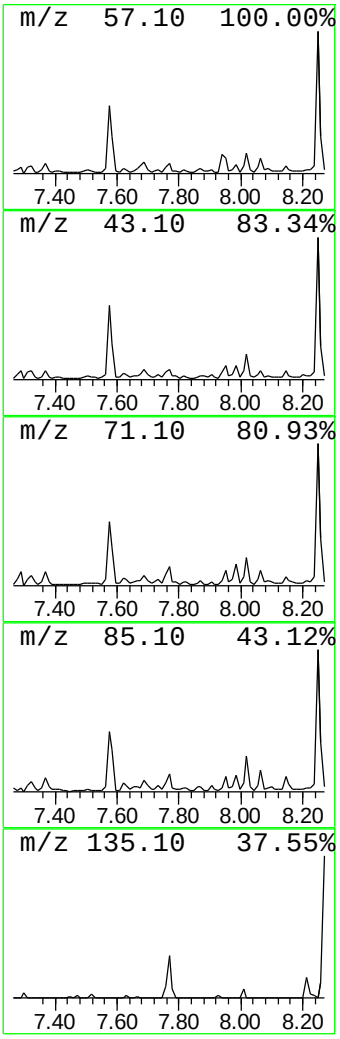
Peak Number 3 Undecane, 2,8-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	48.72 ng	245180	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	59
2	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	59
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
4	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	53
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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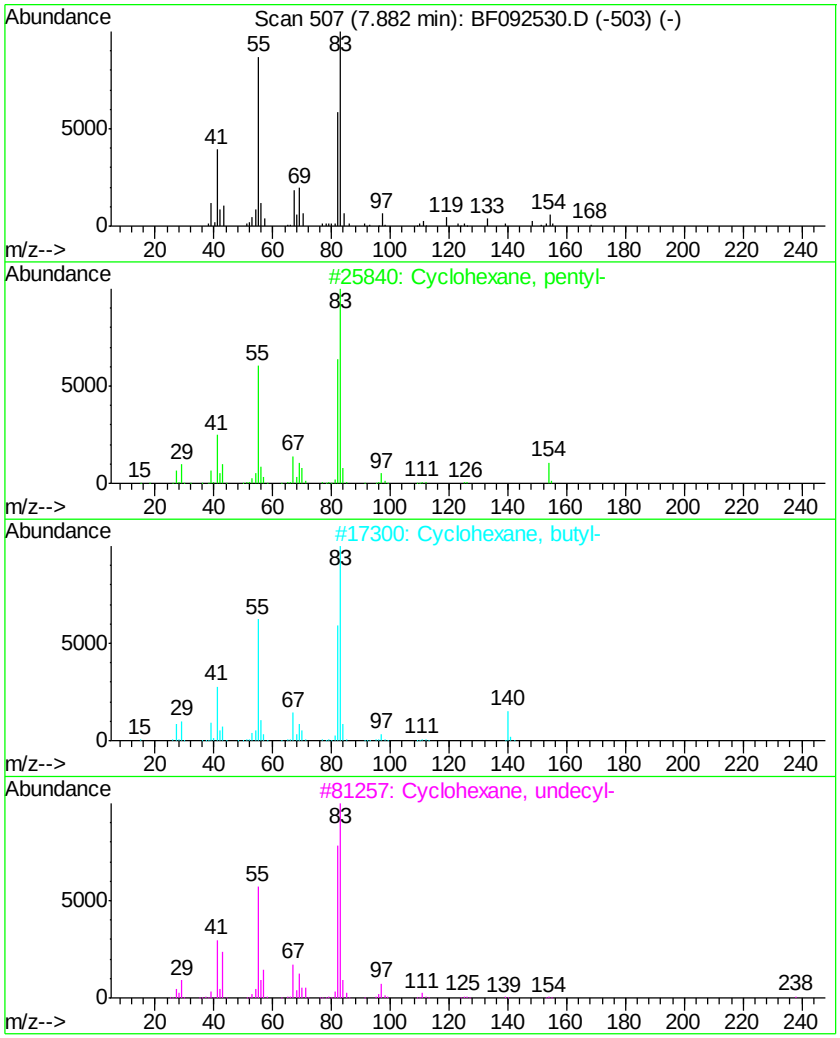
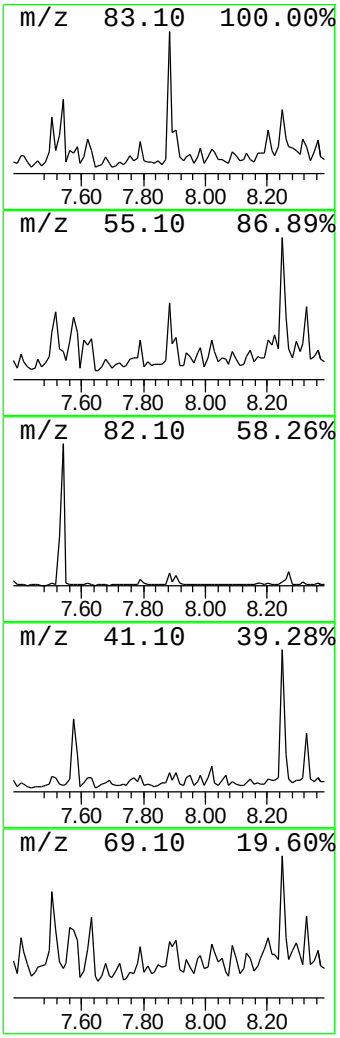
Peak Number 4 Cyclohexane, pentyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	47.70 ng	240026	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	78
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	78
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5	Cyclohexane, decyl-	224	C16H32	001795-16-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

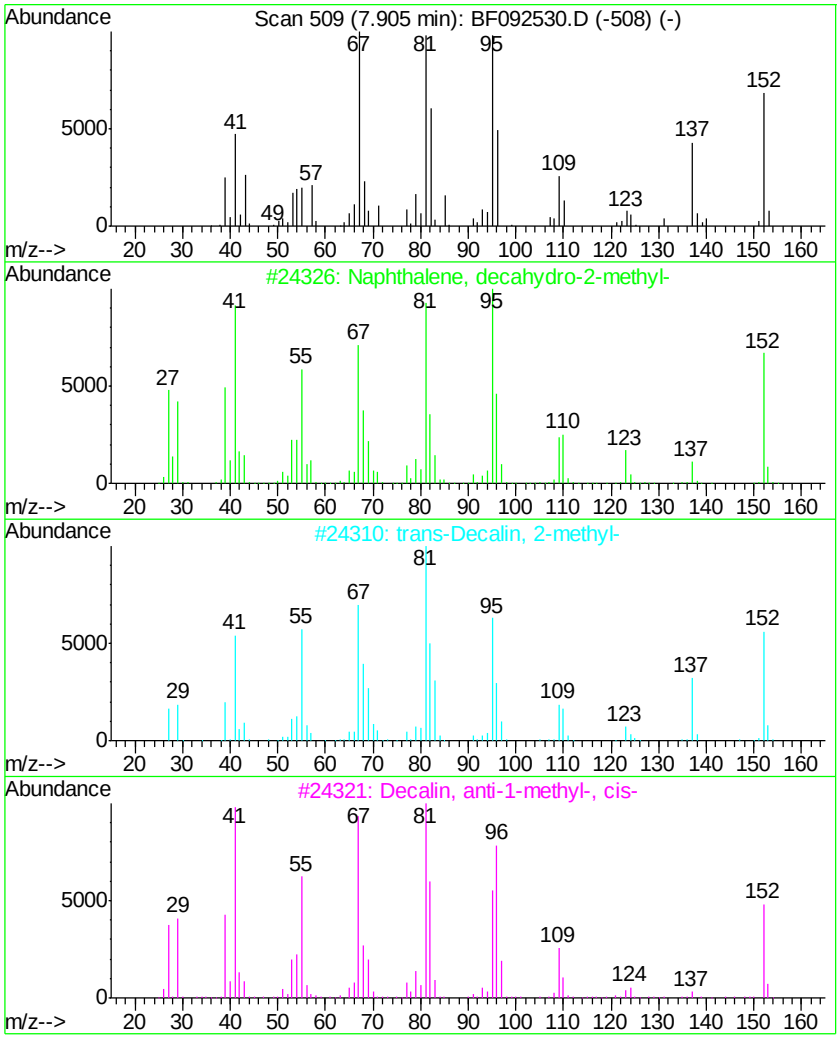
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

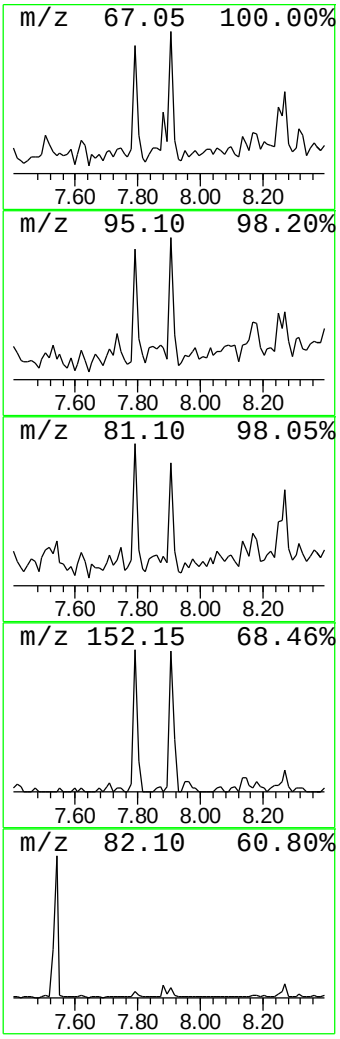
****

Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	35.79 ng	180116	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	80
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	74
3	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	62
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	62
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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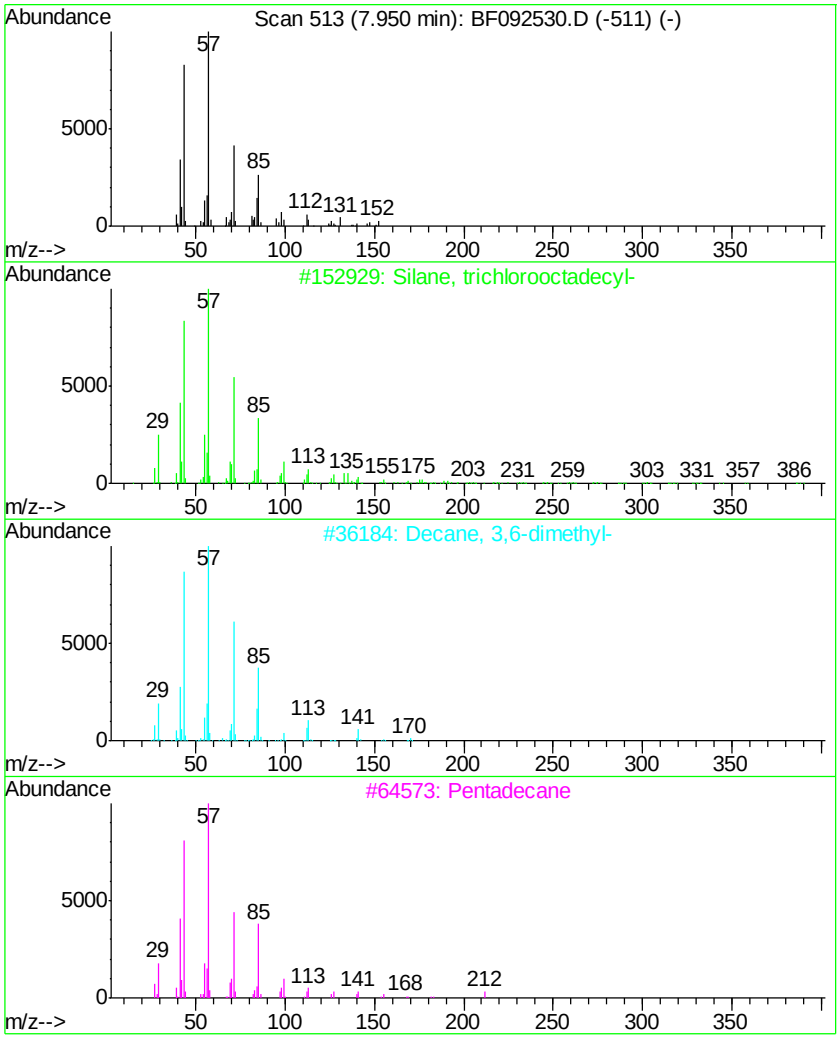
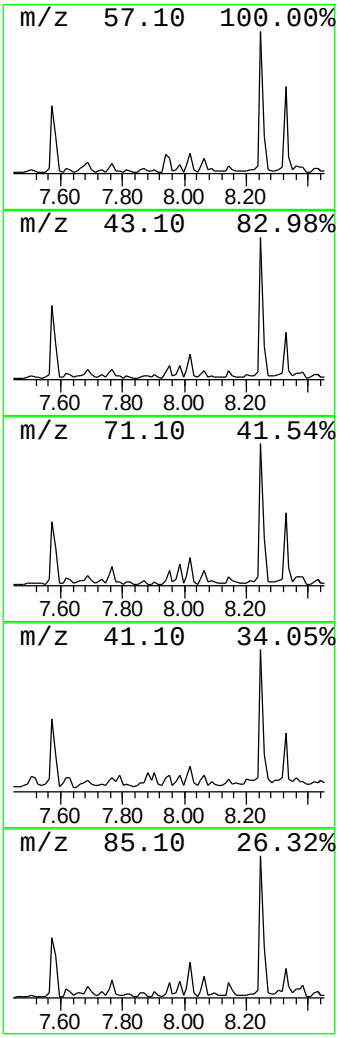
Peak Number 6 Silane, trichlorooctadecyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	31.89 ng	160477	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	78
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	78
3	Pentadecane	212	C15H32	000629-62-9	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Decane, 4-ethyl-	170	C12H26	001636-44-8	59





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Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

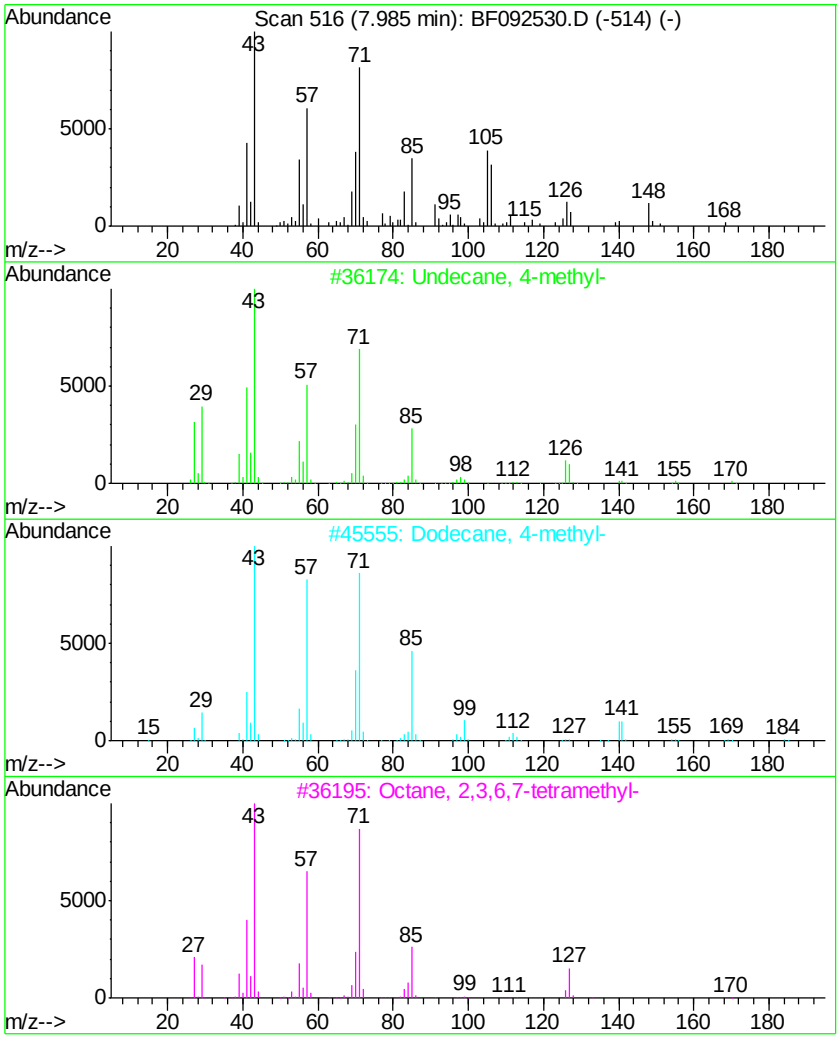
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

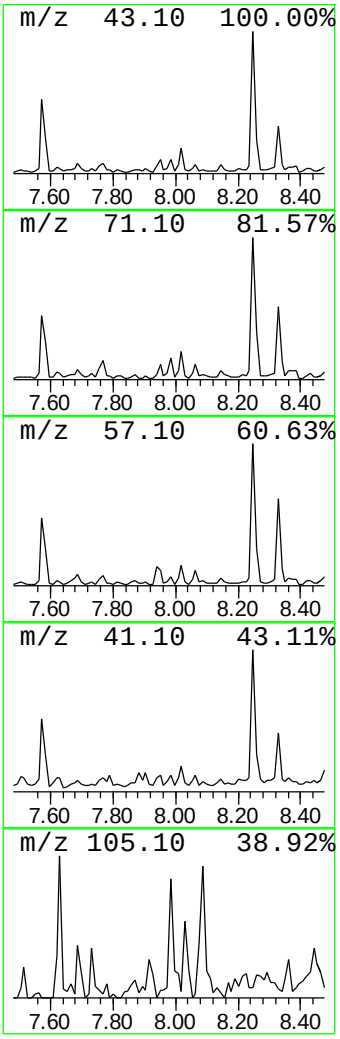
****

Peak Number 7 Undecane, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	30.54 ng	153665	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	59
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	53
3	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	47
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	47
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43





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Acq On : 26 Jan 2017 17:18
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Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

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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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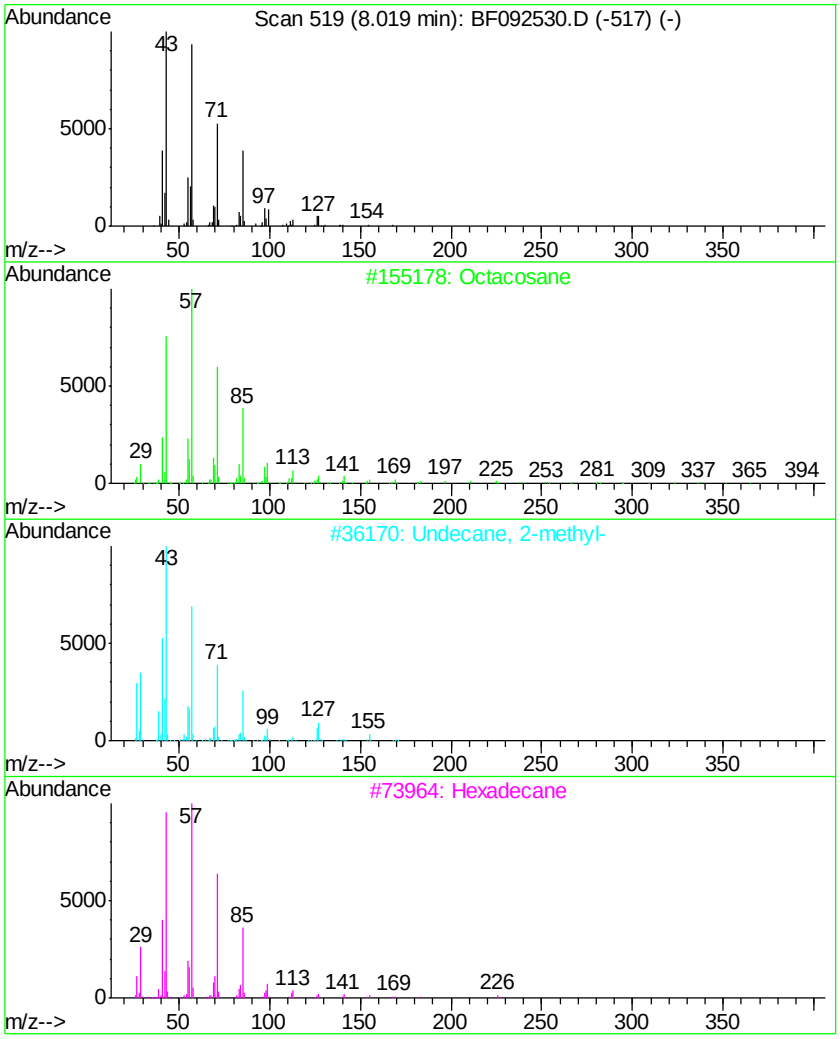
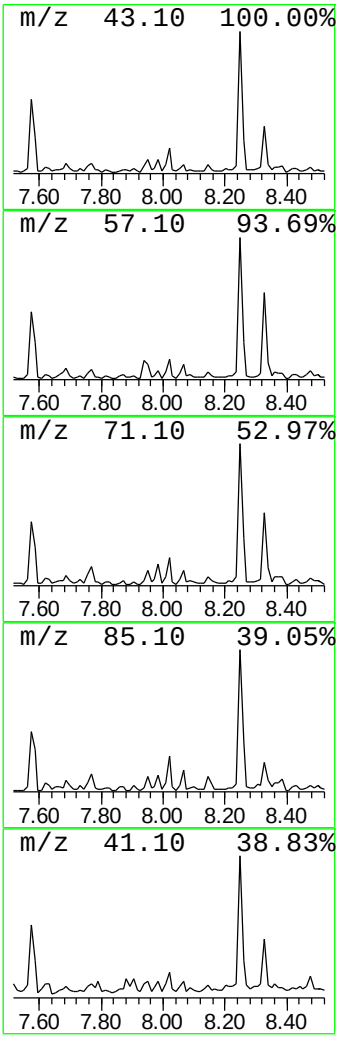
Peak Number 8 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	67.40 ng	339182	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	86
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	83
3	Hexadecane	226	C16H34	000544-76-3	78
4	Heneicosane	296	C21H44	000629-94-7	72
5	Tetracosane	338	C24H50	000646-31-1	72





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Sample : I1312-07 2X
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Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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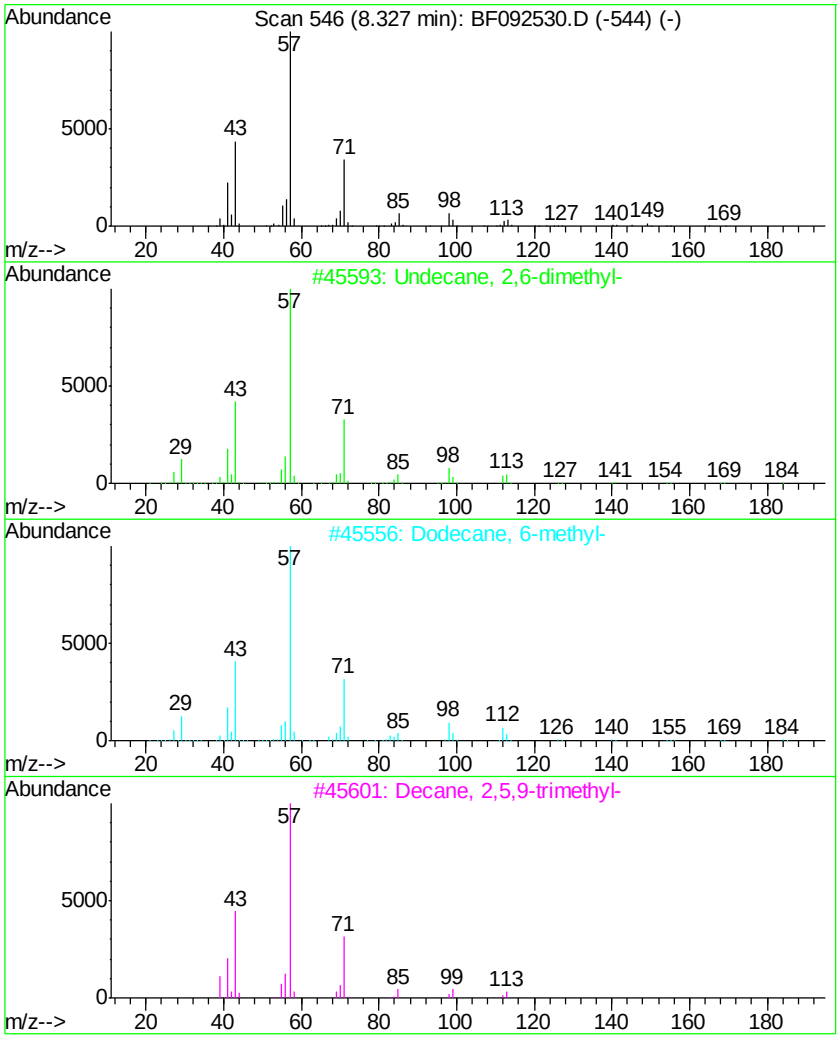
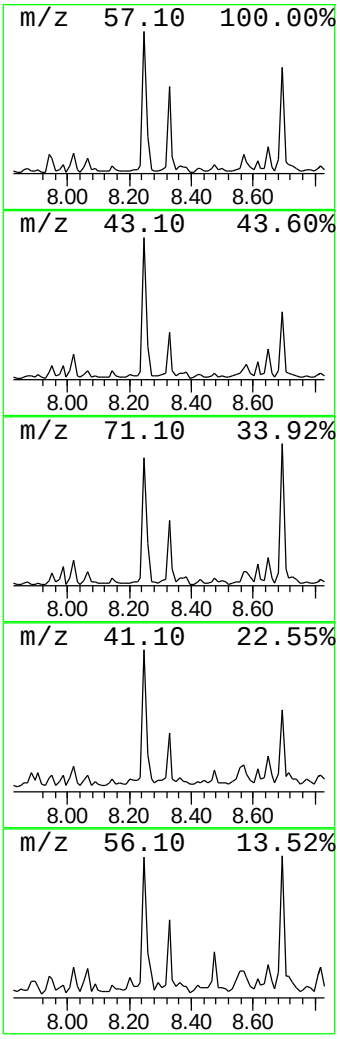
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	105.99 ng	533365	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	72
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	72
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64





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Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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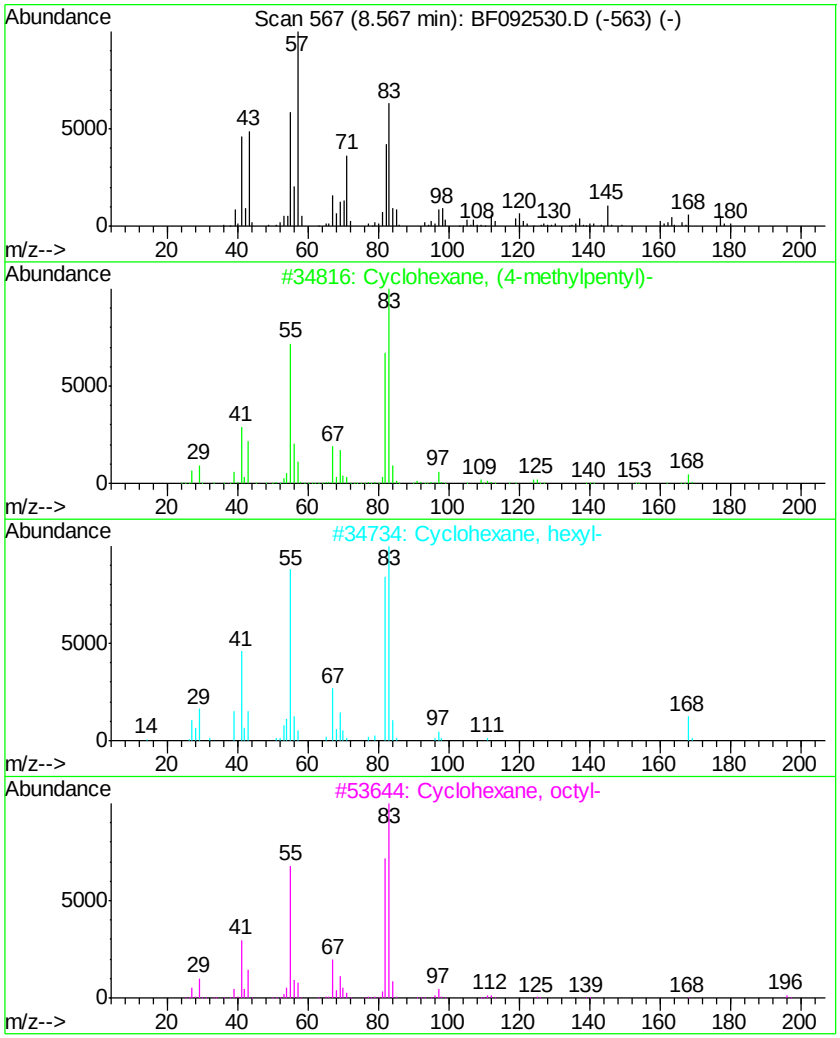
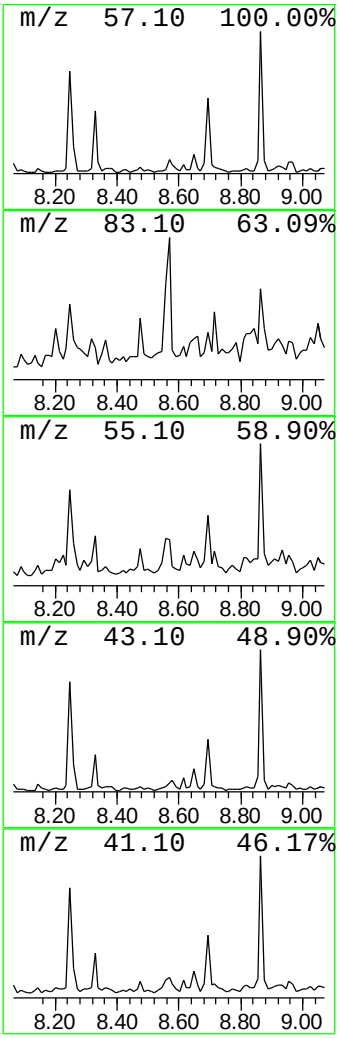
Peak Number 10 unknown8.57 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	102.99 ng	518265	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	43
4	n-Amylcyclohexane	154	C11H22	029949-27-7	38
5	Hexanal, 3,5,5-trimethyl-	142	C9H18O	005435-64-3	38





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Acq On : 26 Jan 2017 17:18
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Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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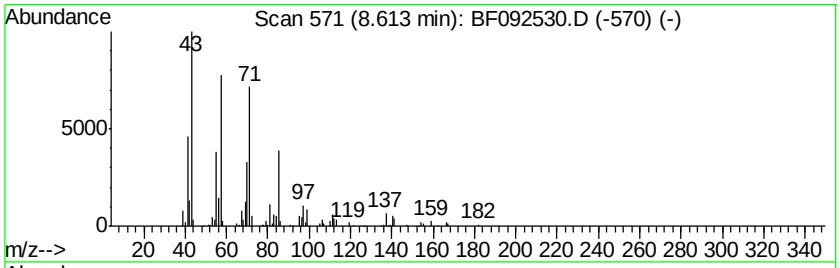
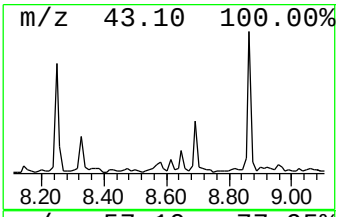
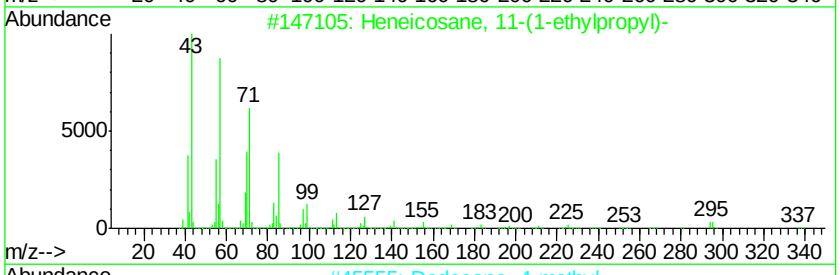
Peak Number 11 Heneicosane, 11-(1-ethylpro... Concentration Rank 17

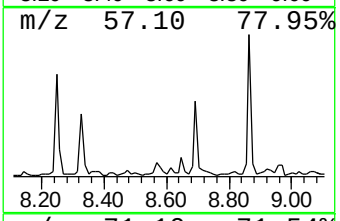
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	34.91 ng	175674	Naphthalene-d8	8.27

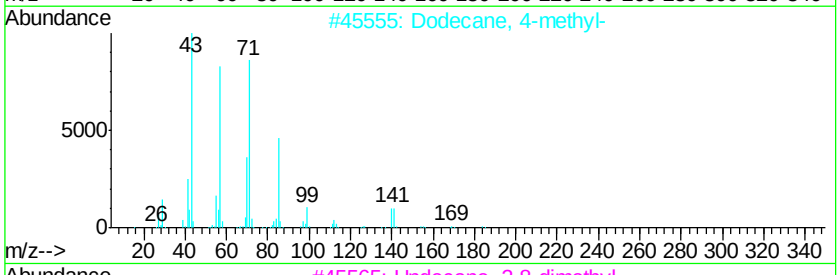
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	78
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
3	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	64
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	64
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	64

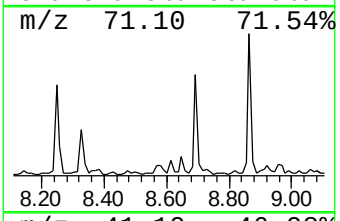


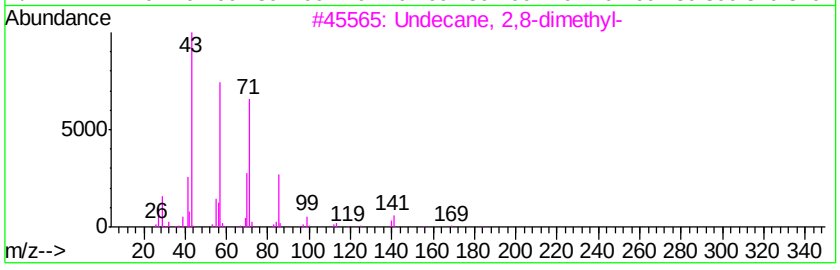


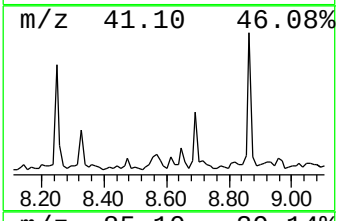


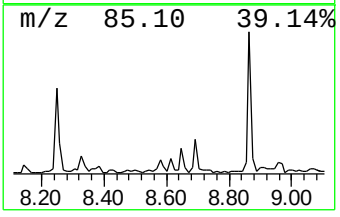












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Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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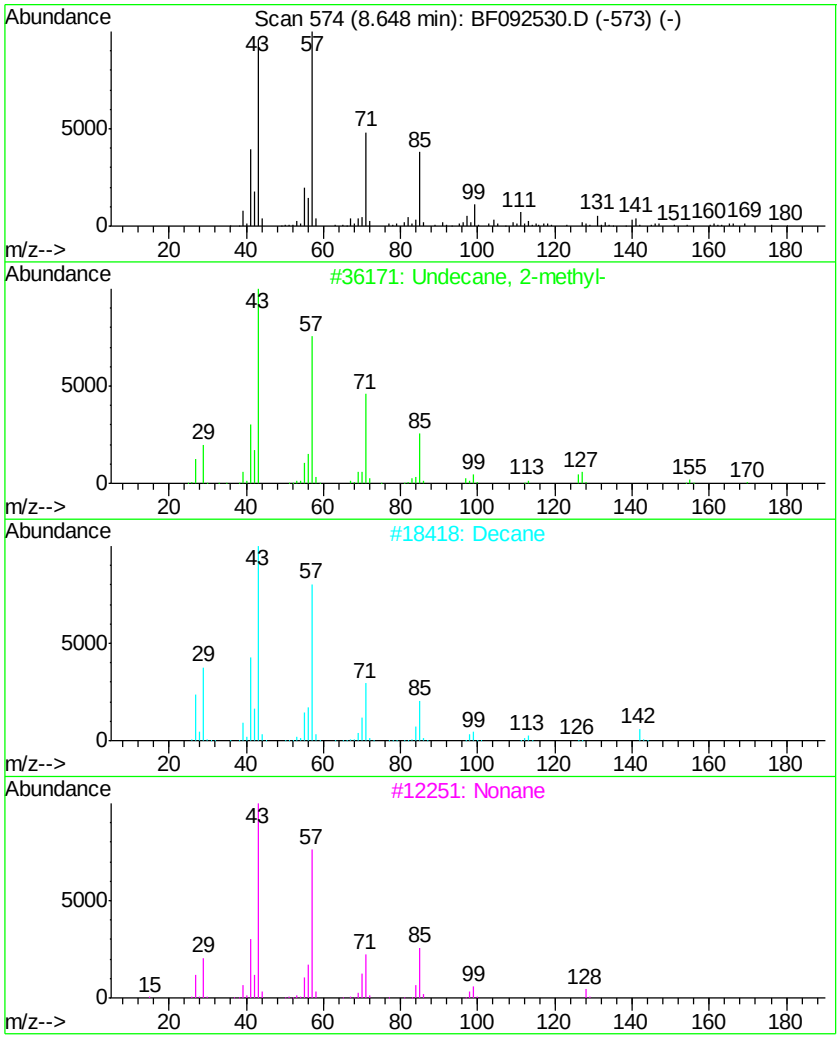
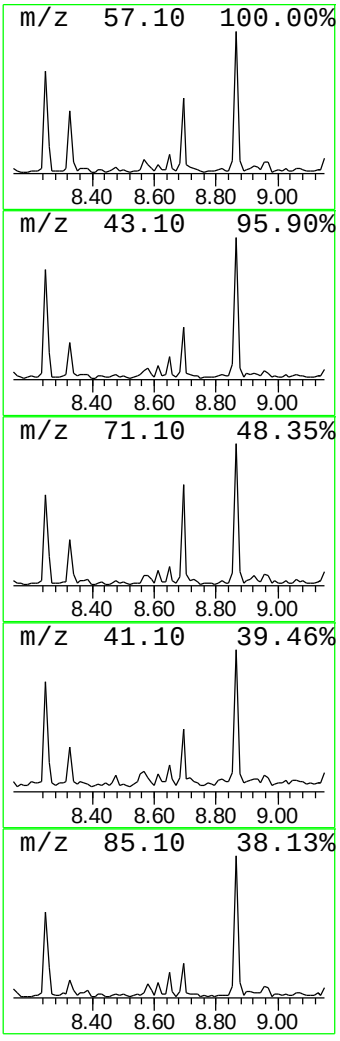
Peak Number 12 Undecane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	58.79 ng	295815	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
2	Decane	142	C10H22	000124-18-5	64
3	Nonane	128	C9H20	000111-84-2	64
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	59
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	59





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Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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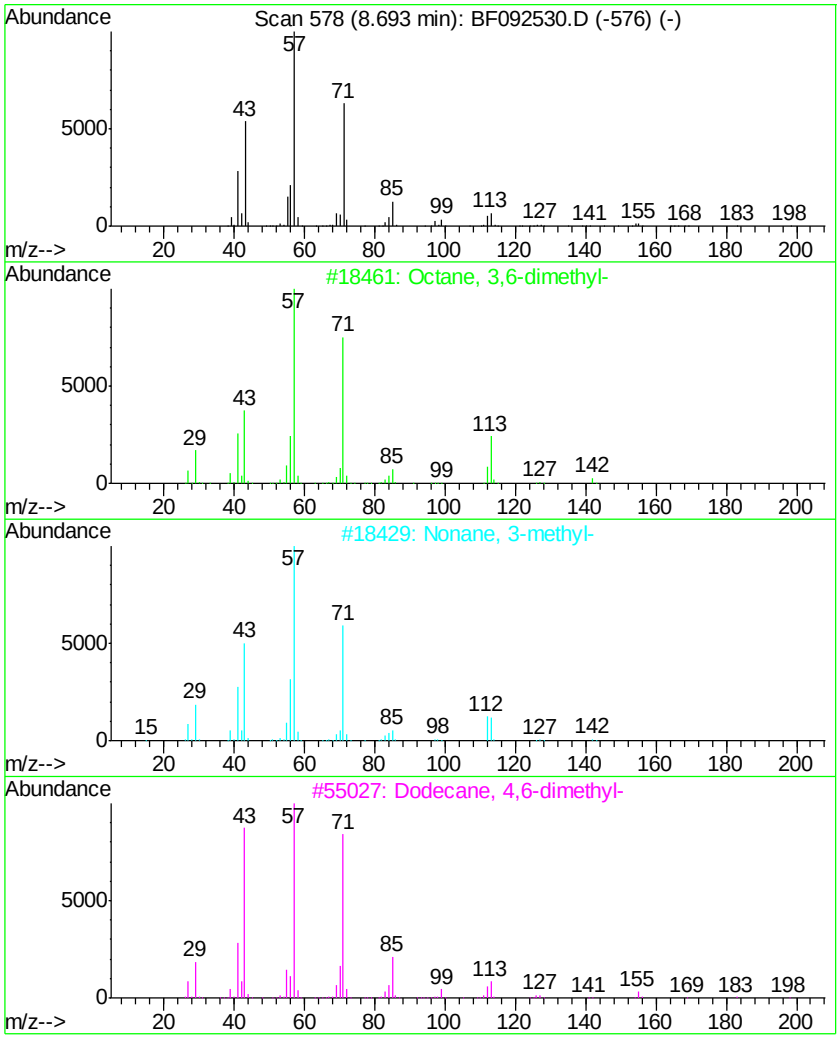
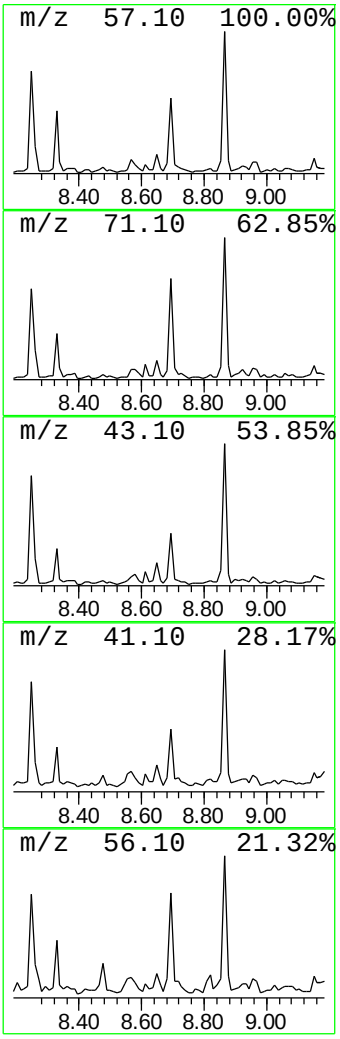
Peak Number 13 Octane, 3,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	159.93 ng	804758	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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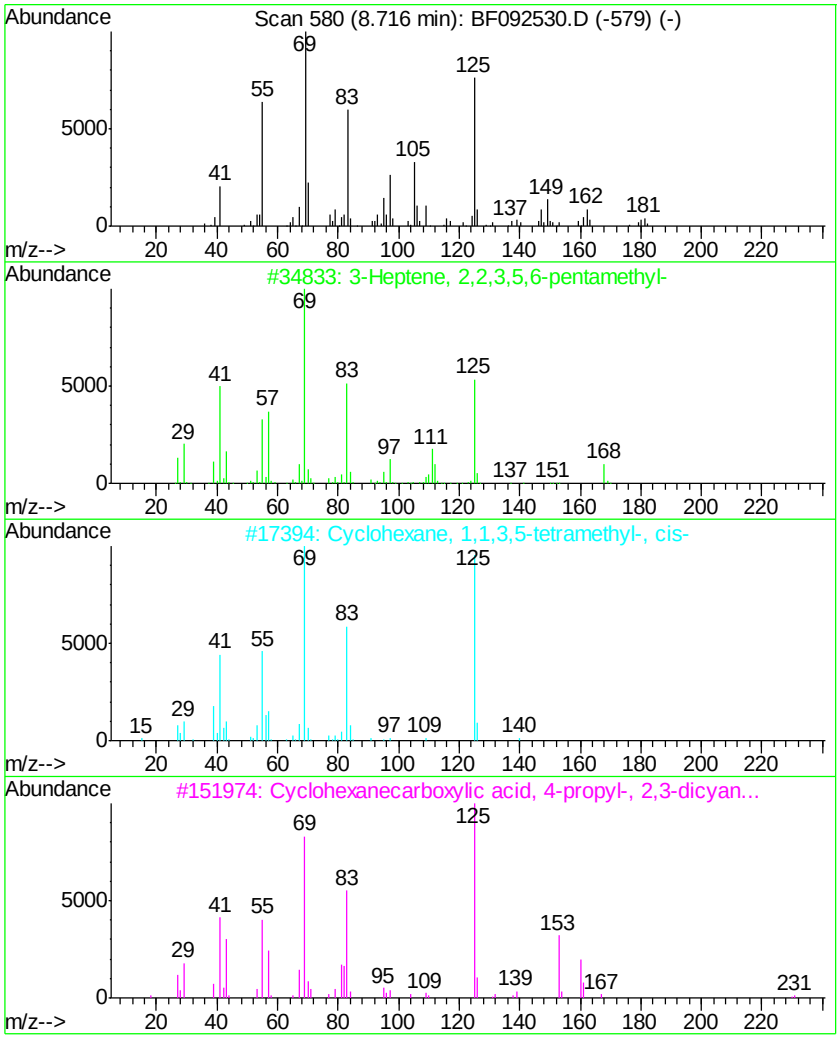
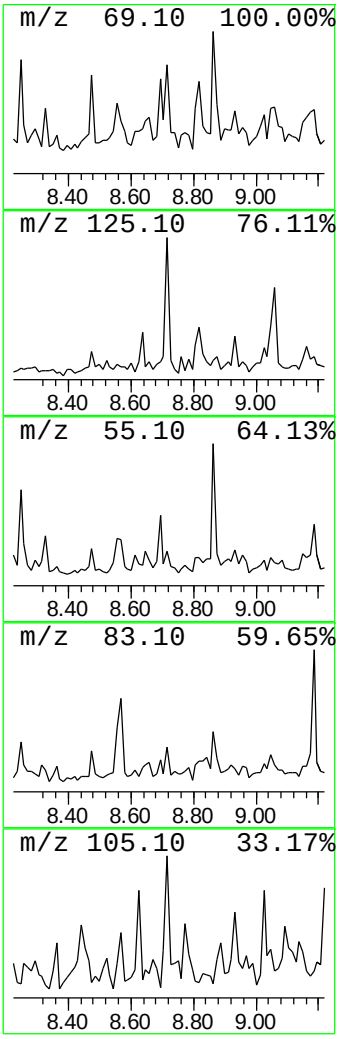
Peak Number 14 3-Heptene, 2,2,3,5,6-pentam... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	45.35 ng	228213	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	59
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	58
3	Cyclohexanecarboxylic acid, 4-pr...	382	C23H30N2O3	075941-50-3	53
4	Cyclohexanecarboxylic acid, 4-pr...	271	C17H21NO2	062439-33-2	53
5	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	50





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Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

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TIC Integration Parameters: LSCINT.P

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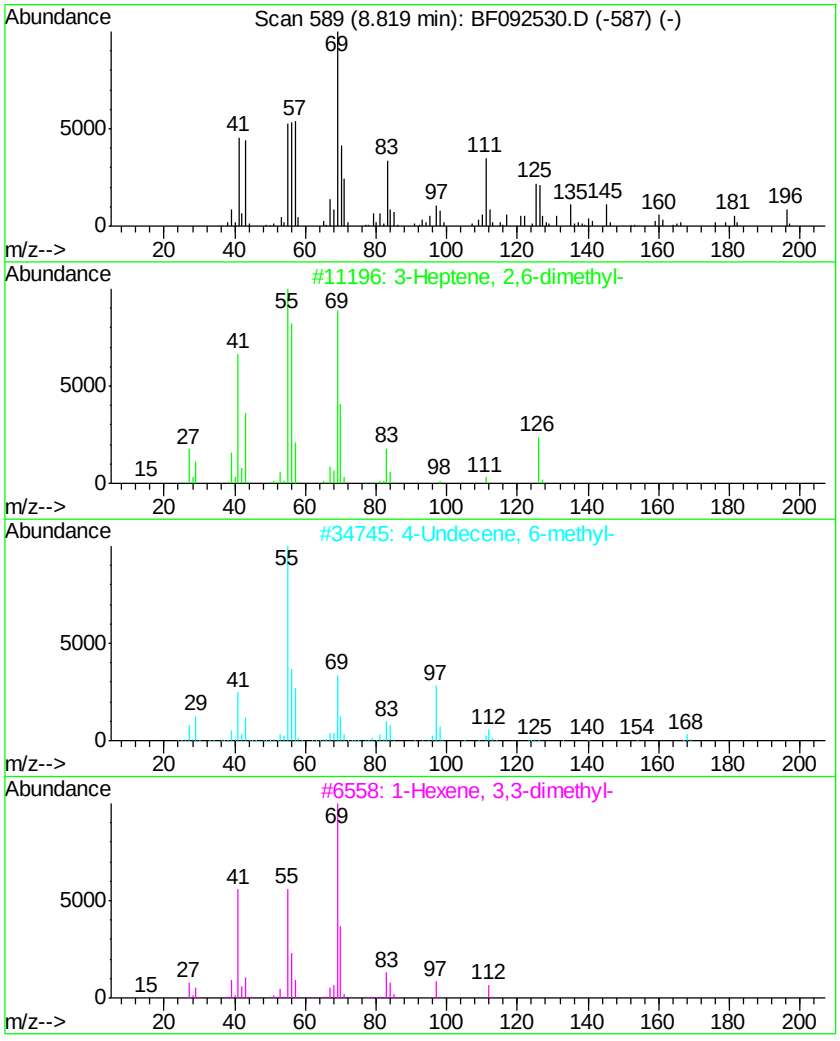
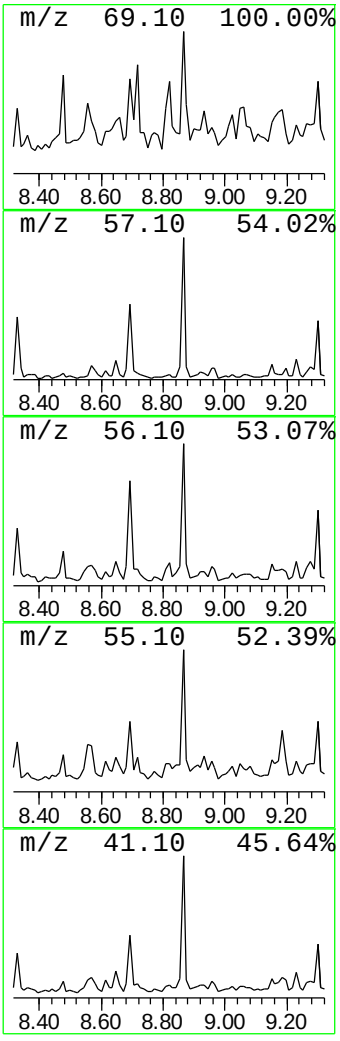
Peak Number 15 3-Heptene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	51.31 ng	258208	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	58
2	4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	50
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
4	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	43
5	2-Methyl-2-heptene	112	C8H16	000627-97-4	43





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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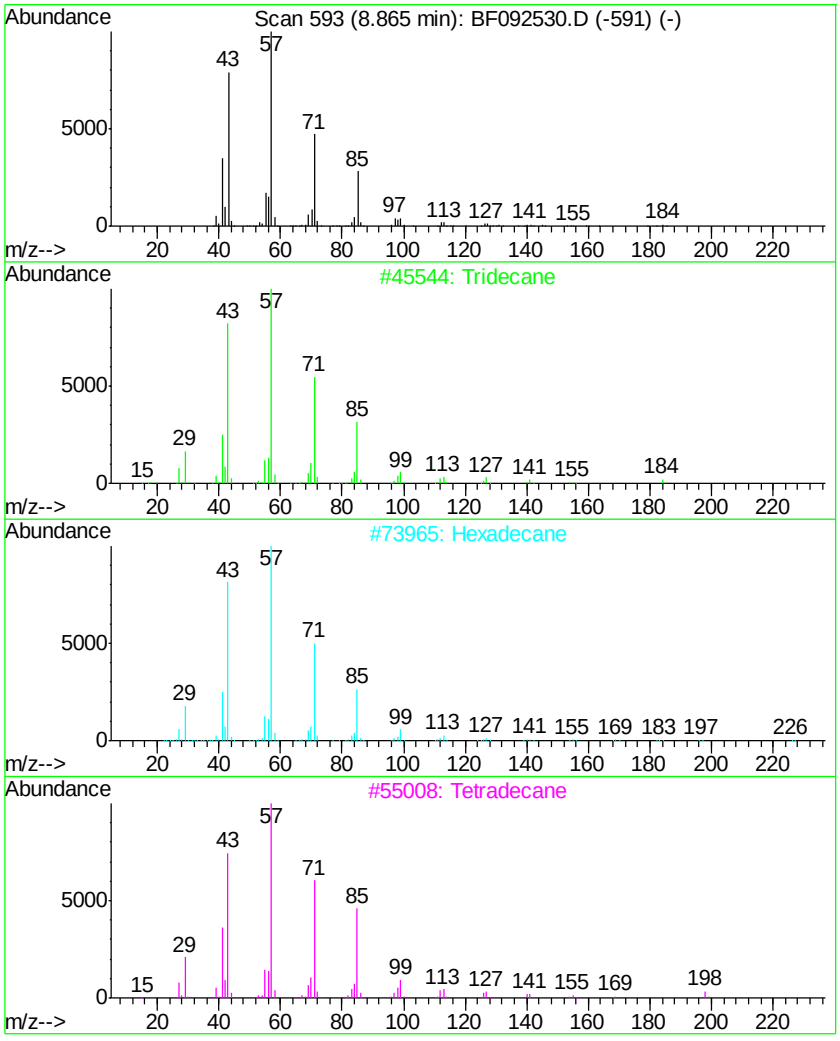
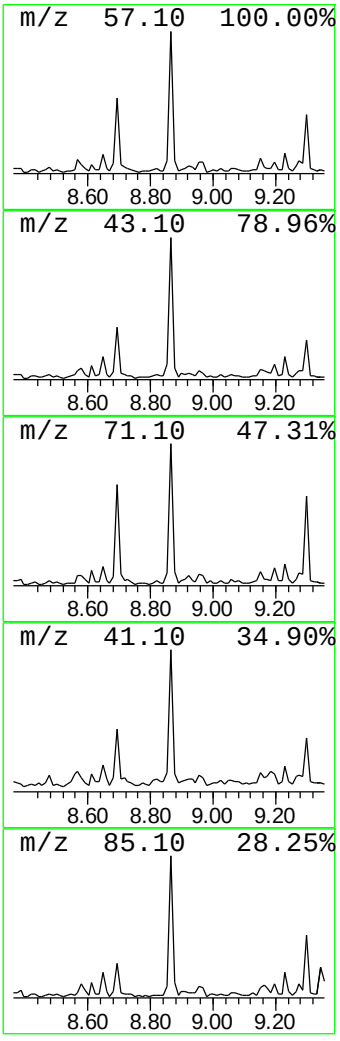
Peak Number 16 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	323.22 ng	1626480	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	83
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
5	Pentadecane	212	C15H32	000629-62-9	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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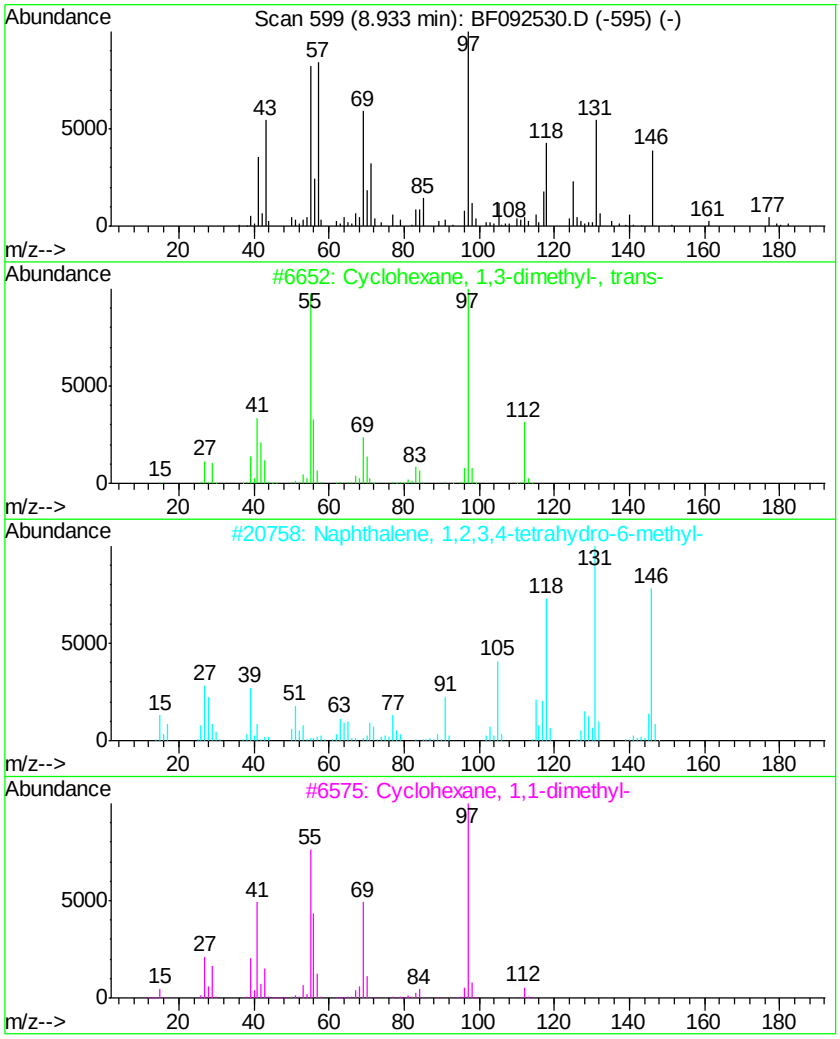
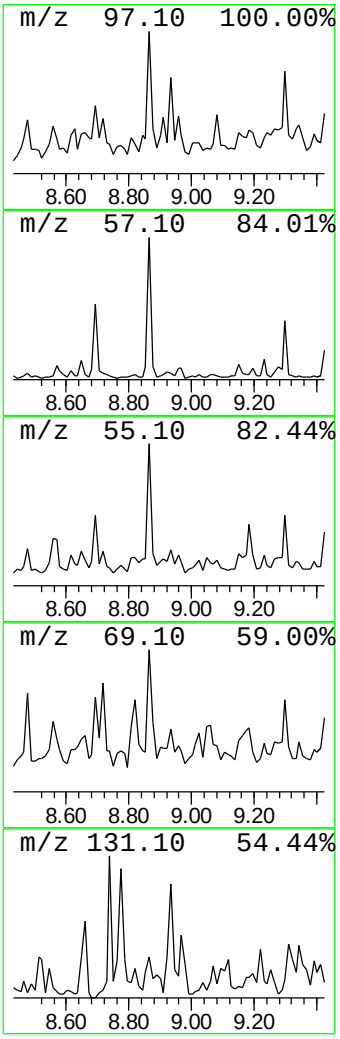
Peak Number 17 unknown8.93 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	54.20 ng	272747	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	35
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	35
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	25
4	Silane, [(11-bromoundecyl)oxy]tr...	322	C14H31BrOSi	026305-83-9	22
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	18





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Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
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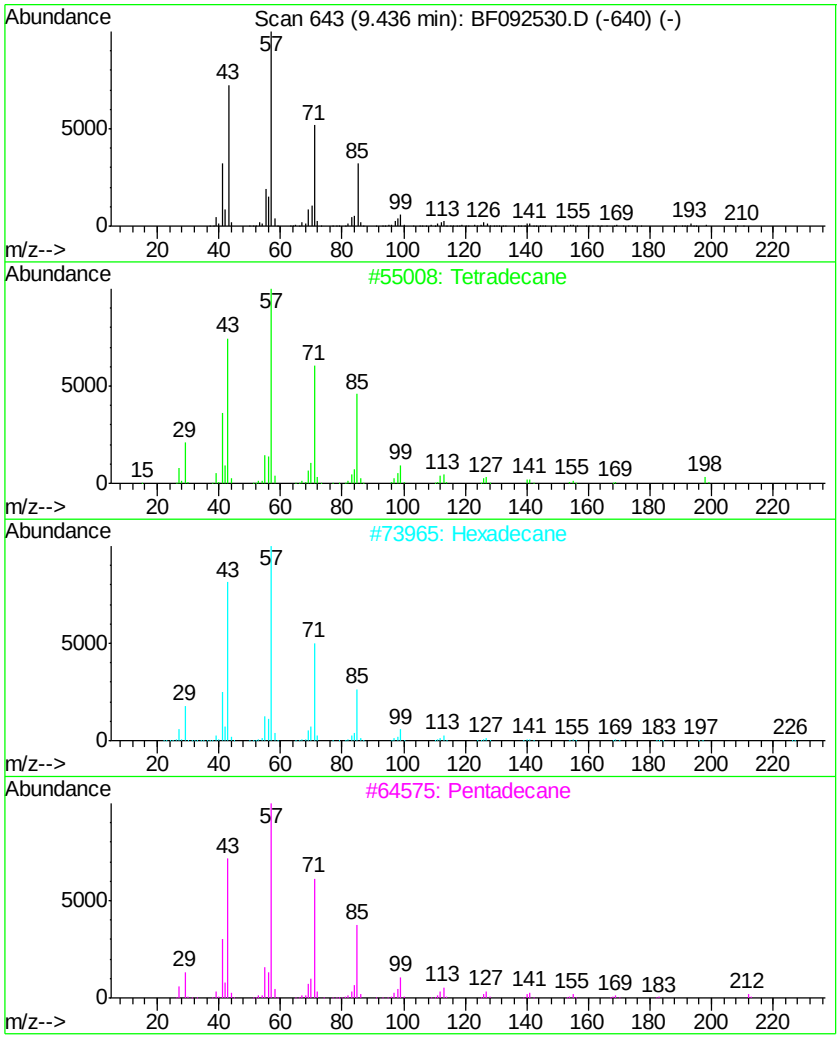
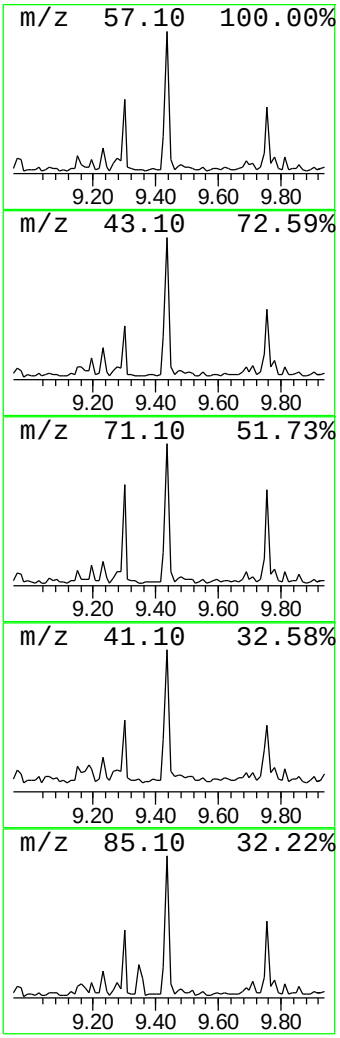
Peak Number 18 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	31.25 ng	1665050	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	86
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





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Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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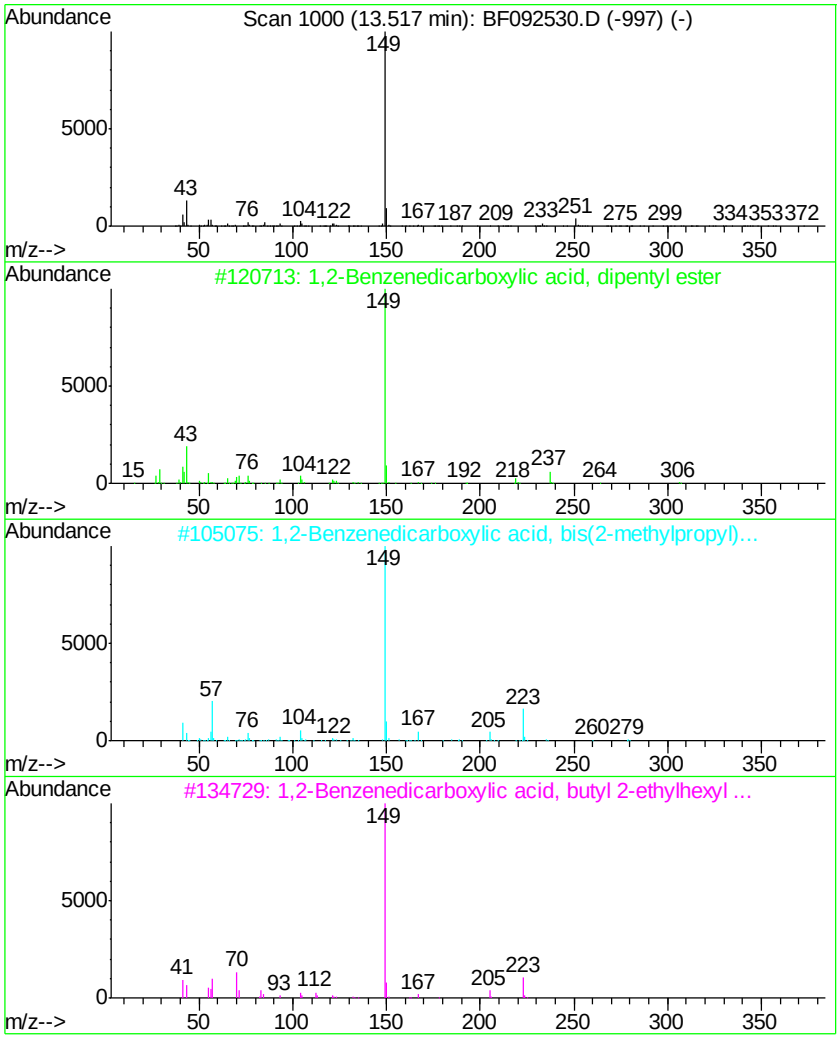
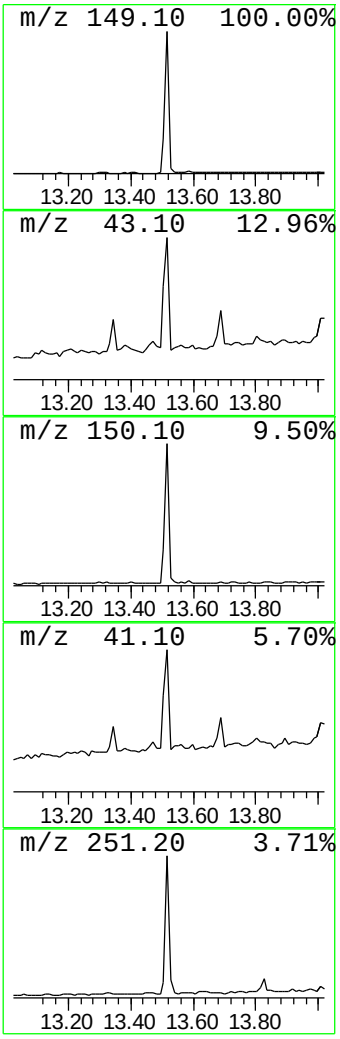
Peak Number 19 1,2-Benzenedicarboxylic aci... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	36.88 ng	1673710	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	306	C18H26O4	000131-18-0	72
2	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	64
3	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	56
4	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-19-0	56
5	1,2-Benzenedicarboxylic acid, di...	250	C14H18O4	000131-16-8	50





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Acq On : 26 Jan 2017 17:18
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Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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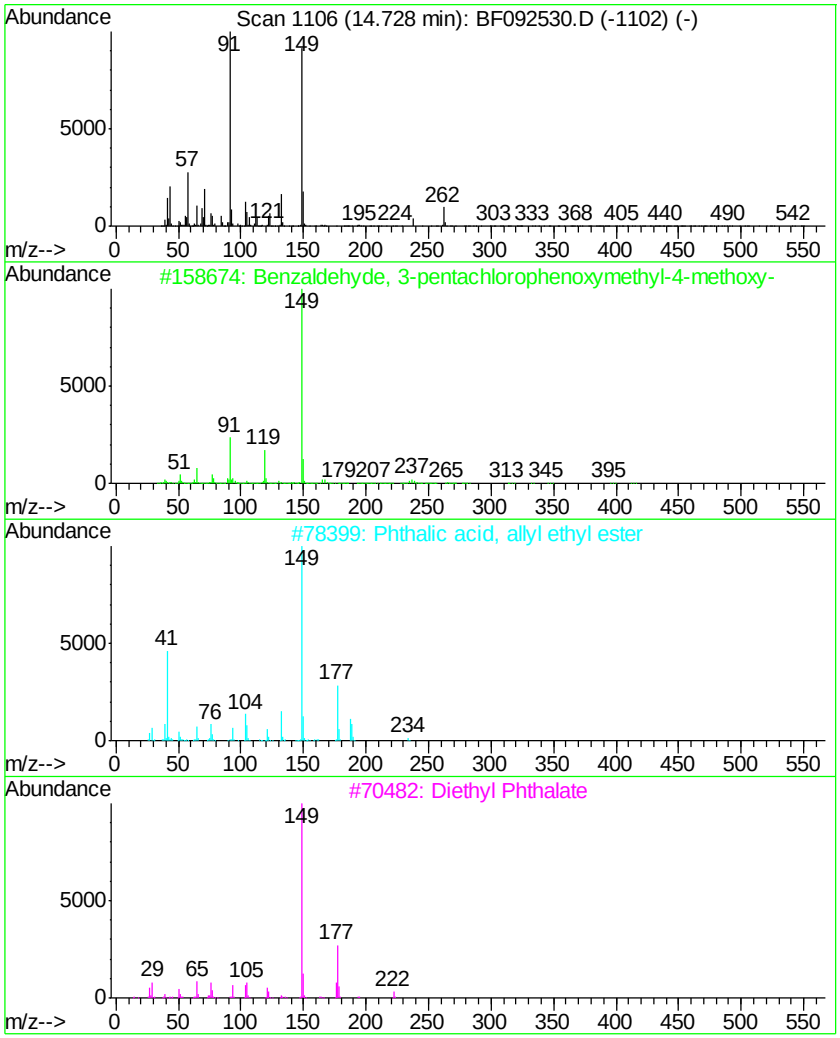
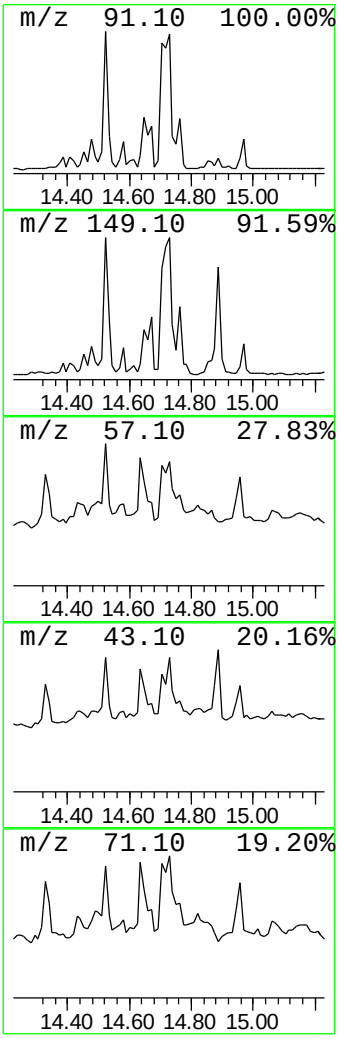
Peak Number 20 unknown14.73 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	54.18 ng	2458540	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3-pentachlorophenoxymethyl-4-methoxy-	412	C15H9Cl5O3	329222-74-4	47
2	Phthalic acid, allyl ethyl ester	234	C13H14O4	033672-94-5	47
3	Diethyl Phthalate	222	C12H14O4	000084-66-2	43
4	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	40
5	Oxazolidine, 3-phenyl-	149	C9H11NO	020503-92-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092530.D
Acq On : 26 Jan 2017 17:18
Operator : SJ/MA
Sample : I1312-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CAS-BALLARD01-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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
unknown7.63	7.63	50.9	ng	255990	2	8.27	100641	20.0
Decane	7.69	46.9	ng	235922	2	8.27	100641	20.0
Undecane, 2,8-dim...	7.77	48.7	ng	245180	2	8.27	100641	20.0
Cyclohexane, pentyl-	7.88	47.7	ng	240026	2	8.27	100641	20.0
Naphthalene, deca...	7.90	35.8	ng	180116	2	8.27	100641	20.0
Silane, trichloro...	7.95	31.9	ng	160477	2	8.27	100641	20.0
Undecane, 4-methyl-	7.98	30.5	ng	153665	2	8.27	100641	20.0
Octacosane	8.02	67.4	ng	339182	2	8.27	100641	20.0
Undecane, 2,6-dim...	8.33	106.0	ng	533365	2	8.27	100641	20.0
unknown8.57	8.57	103.0	ng	518265	2	8.27	100641	20.0
Heneicosane, 11-(...	8.61	34.9	ng	175674	2	8.27	100641	20.0
Undecane, 2-methyl-	8.65	58.8	ng	295815	2	8.27	100641	20.0
Octane, 3,6-dimet...	8.69	159.9	ng	804758	2	8.27	100641	20.0
3-Heptene, 2,2,3,...	8.72	45.4	ng	228213	2	8.27	100641	20.0
3-Heptene, 2,6-di...	8.82	51.3	ng	258208	2	8.27	100641	20.0
Tridecane	8.86	323.2	ng	1626480	2	8.27	100641	20.0
unknown8.93	8.93	54.2	ng	272747	2	8.27	100641	20.0
Tetradecane	9.44	31.3	ng	1665050	3	10.03	1065770	20.0
1,2-Benzenedicarb...	13.52	36.9	ng	1673710	5	14.17	907607	20.0
unknown14.73	14.73	54.2	ng	2458540	5	14.17	907607	20.0