LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

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-BF123115.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	5.013	253	256	260	rBV	1606380	2503816	7.03%	0.371%
2	5.401	286	290	292	rBV2	1005098	1983687	5.57%	0.294%
3	5.436	292	293	296	rVB	4486427	5852543	16.43%	0.867%
4	5.733	317	319	321	rVB	4216961	3967937	11.14%	0.588%
5	5.973	338	340	343	rVB2	1128025	1619563	4.55%	0.240%
6	6.076	347	349	352	rVB	3236289	3631258	10.20%	0.538%
7	6.133	352	354	355	rBV	1250379	1150618	3.23%	0.171%
8	6.270	363	366	369	rBV	1273652	2743914	7.71%	0.407%
9	6.362	369	374	378	rVB3	4138443	9081493	25.50%	1.346%
10	6.430	378	380	382	rBV	3045374	3813509	10.71%	0.565%
11	6.476	382	384	386	rBV	5494029	5767526	16.20%	0.855%
12	6.522	386	388	390	rVB2	1492888	2108591	5.92%	0.312%
13	6.602	390	395	398	rBV2	5599701	9407472	26.42%	1.394%
14	6.682	398	402	404	rVB2	9025546	14991499	42.10%	2.222%
15	6.796	407	412	413	rBV2	1058094	2551351	7.16%	0.378%
16	6.853	413	417	419	rVB2	3358836	5507094	15.46%	0.816%
17	6.899	419	421	423	rBV	2700672	3240350	9.10%	0.480%
18	6.990	427	429	433	rVB3	6616029	9688532	27.21%	1.436%
19	7.116	433	440	442	rBV2	5429791	10566373	29.67%	1.566%
20	7.162	442	444	448	rVB3	5377235	10170205	28.56%	1.507%
21	7.230	448	450	452	rBV	5192618	5976553	16.78%	0.886%
22	7.333	455	459	460	rBV	2645121	5037206	14.14%	0.746%
23	7.379	460	463	464	rBV	5146088	6666847	18.72%	0.988%
24	7.402	464	465	467	rVB2	2460171	2636391	7.40%	0.391%
25	7.447	467	469	471	rVB	8749499	12446550	34.95%	1.844%
26	7.493	471	473	475	rVB2	3050689	4063319	11.41%	0.602%
27	7.527	475	476	477	rBV	1738938	1859385	5.22%	0.276%
28	7.562	477	479	481	rVB	2501008	2754512	7.73%	0.408%
29	7.642	481	486	488	rVB3	4729451	10152341	28.51%	1.504%
30	7.756	491	496	497	rBV3	3559033	8270509	23.22%	1.226%
31	7.870	503	506	510	rBV4	5228719	15029530	42.20%	2.227%
32	7.950	510	513	516	rVB4	3342485	8904799	25.01%	1.320%
33	7.996	516	517	519	rBV	1756544	2387519	6.70%	0.354%
34	8.122	522	528	532	rBV2	12105920	35612045	100.00%	5.277%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.202	534	535	536	rVB	5173860	3585686	10.07%	0.531%
36	8.305	541	544	545	rBV2	2591447	5412754	15.20%	0.802%
37	8.327	545	546	548	rVB2	3136966	3639010	10.22%	0.539%
38	8.373	548	550	551	rBV2	1914072	2604954	7.31%	0.386%
39	8.430	551	555	558	rBV4	3697051	8284415	23.26%	1.228%
40	8.487	558	560	561	rVB	2781557	2654542	7.45%	0.393%
41	8.522	561	563	564	rVB	5342022	6007663	16.87%	0.890%
42	8.567	564	567	569	rBV3	6797041	11230015	31.53%	1.664%
43	8.636	571	573	575	rBV2	4729249	6412452	18.01%	0.950%
44	8.682	575	577	579	rBV3	1159856	2315225	6.50%	0.343%
45	8.739	579	582	584	rBV2	9171533	15878441	44.59%	2.353%
46	8.796	584	587	588	rVB3	2491559	3353411	9.42%	0.497%
47	8.853	588	592	594	rVB2	7089791	13408478	37.65%	1.987%
48	8.888	594	595	596	rBV	1633127	1319985	3.71%	0.196%
49	8.956	597	601	605	rBV4	6456770	12964086	36.40%	1.921%
50	9.013	605	606	607	rBV	2193059	2234987	6.28%	0.331%
51	9.162	615	619	621	rBV4	5010049	10056448	28.24%	1.490%
52	9.208	621	623	626	rVB3	3282058	3734980	10.49%	0.553%
53	9.310	628	632	634	rBV	9532875	22383178	62.85%	3.317%
54	9.368	634	637	638	rVV2	2766367	5186949	14.57%	0.769%
55	9.413	639	641	643	rVB	3605217	4921217	13.82%	0.729%
56	9.482	643	647	649	rBV	5746125	11312114	31.76%	1.676%
57	9.562	649	654	657	rBV5	7619016	21746823	61.07%	3.223%
58	9.619	657	659	662	rVV4	5663736	14890197	41.81%	2.207%
59	9.676	662	664	666	rVB2	5537862	6543576	18.37%	0.970%
60	9.756	669	671	673	rBV2	2691599	3005082	8.44%	0.445%
61	9.848	673	679	680	rVB	9308044	15799832	44.37%	2.341%
62	9.870	680	681	684	rBV3	3475998	5902300	16.57%	0.875%
63	10.008	691	693	695	rVB	4099499	5656233	15.88%	0.838%
64	10.099	695	701	702	rBV6	5525357	13541245	38.02%	2.007%
65	10.145	704	705	708	rVV3	5215811	7977073	22.40%	1.182%
66	10.213	710	711	712	rBV	3220932	3145491	8.83%	0.466%
67	10.248	712	714	717	rVB3	2736876	3438878	9.66%	0.510%
68	10.339	717	722	725	rBV2	7625806	18658180	52.39%	2.765%
69	10.396	725	727	729	rVB3	2149890	3036382	8.53%	0.450%
70	10.442	729	731	732	rBV2	2234628	3841031	10.79%	0.569%
71	10.556	738	741	743	rVV	6113432	8427139	23.66%	1.249%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.602	743	745	747	rVB3	2128327	2781974	7.81%	0.412%
73	10.636	747	748	749	rBV	2177612	1694964	4.76%	0.251%
74	10.671	749	751	754	rVB3	2854982	4559552	12.80%	0.676%
75	10.819	760	764	767	rBV2	8390102	19714442	55.36%	2.921%
76	10.991	777	779	780	rBV2	2539272	3298291	9.26%	0.489%
77	11.025	780	782	784	rVB3	3160883	3892460	10.93%	0.577%
78	11.265	799	803	808	rVB	8612980	22164458	62.24%	3.285%
79	11.402	811	815	816	rBV2	2828670	3972565	11.16%	0.589%
80	11.493	821	823	824	rBV2	1986365	2311081	6.49%	0.342%
81	11.631	833	835	837	rVB3	2217450	2689261	7.55%	0.399%
82	11.688	837	840	841	rBV	7867061	11096077	31.16%	1.644%
83	11.836	851	853	854	rBV2	1317802	1481374	4.16%	0.220%
84	11.882	855	857	858	rVV	1815398	1896479	5.33%	0.281%
85	12.088	872	875	876	rBV	8283845	9290512	26.09%	1.377%
86	12.236	886	888	892	rVB5	1409418	3448039	9.68%	0.511%
87	12.316	894	895	897	rVV	2366784	2876954	8.08%	0.426%
88	12.351	897	898	902	rVV	3110660	4749869	13.34%	0.704%
89	12.431	902	905	906	rVV2	2711300	4416028	12.40%	0.654%
90	12.465	906	908	910	rVV	7977854	9315487	26.16%	1.380%
91	12.511	910	912	913	rVB2	1139794	1234735	3.47%	0.183%
92	12.831	938	940	942	rVV	7119481	7144475	20.06%	1.059%
93	12.865	942	943	946	rVV2	1355300	1421656	3.99%	0.211%
94	12.956	948	951	955	rVB	4670230	6472575	18.18%	0.959%
95	13.185	968	971	973	rBV	5930883	5837451	16.39%	0.865%
96	13.231	973	975	980	rVB5	606510	1504061	4.22%	0.223%
97	13.517	999	1000	1003	rVB	2529172	3216711	9.03%	0.477%
98	13.848	1027	1029	1034	rVB	2166559	2370313	6.66%	0.351%
99	13.997	1040	1042	1044	rVB	1568097	1821429	5.11%	0.270%
100	15.402	1162	1165	1168	rBV	1009189	1477237	4.15%	0.219%

Sum of corrected areas: 674805799

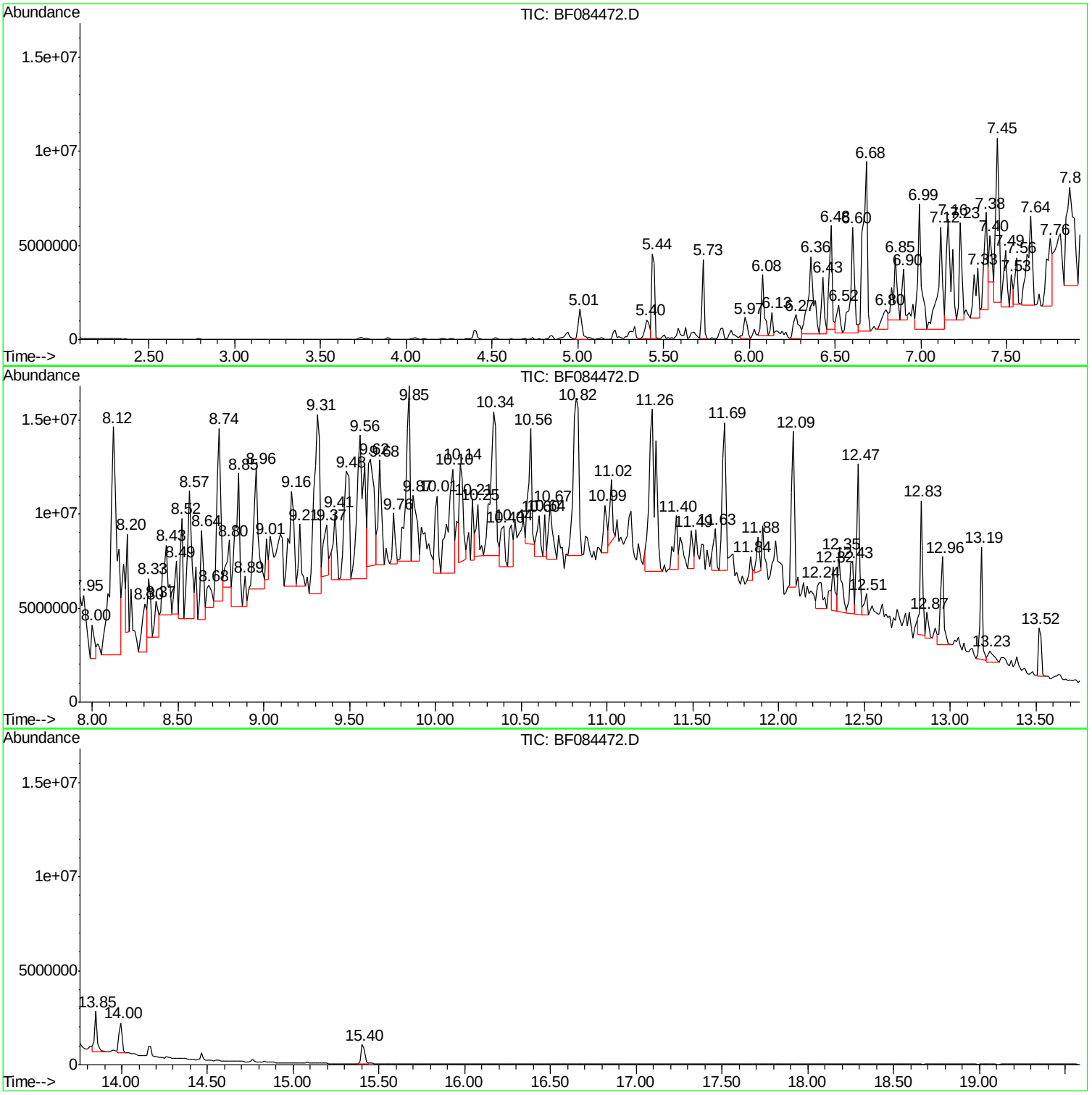
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

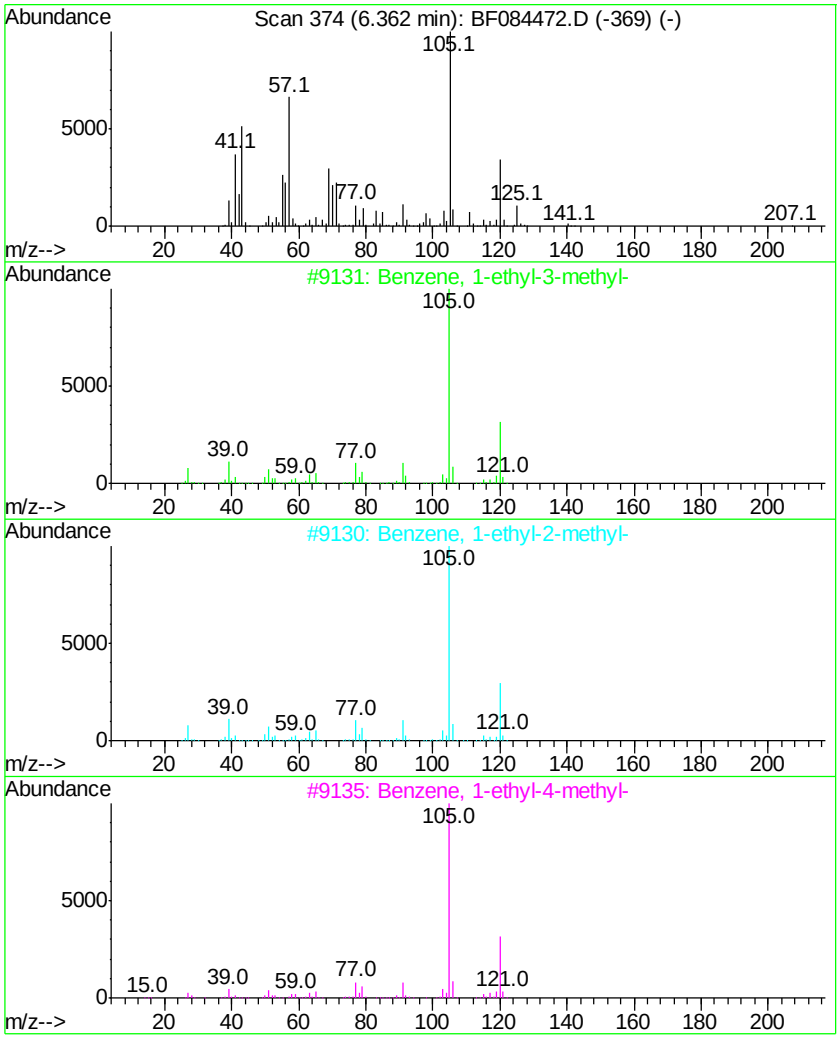
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

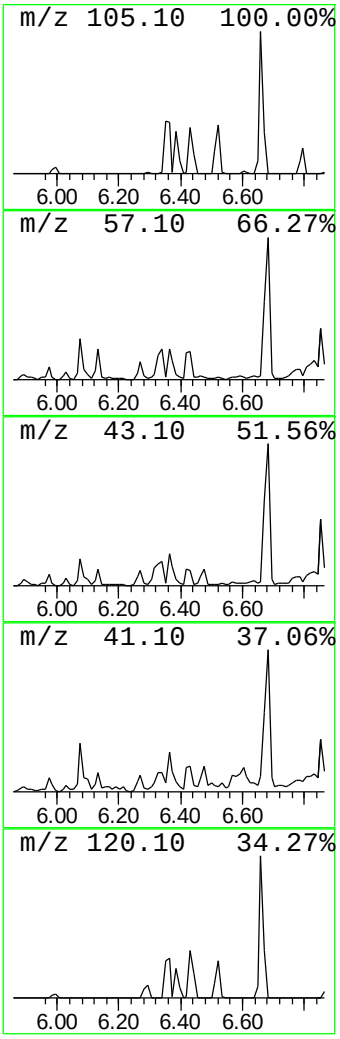
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	32.98 ng	9081490	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	74
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	74
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	38
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

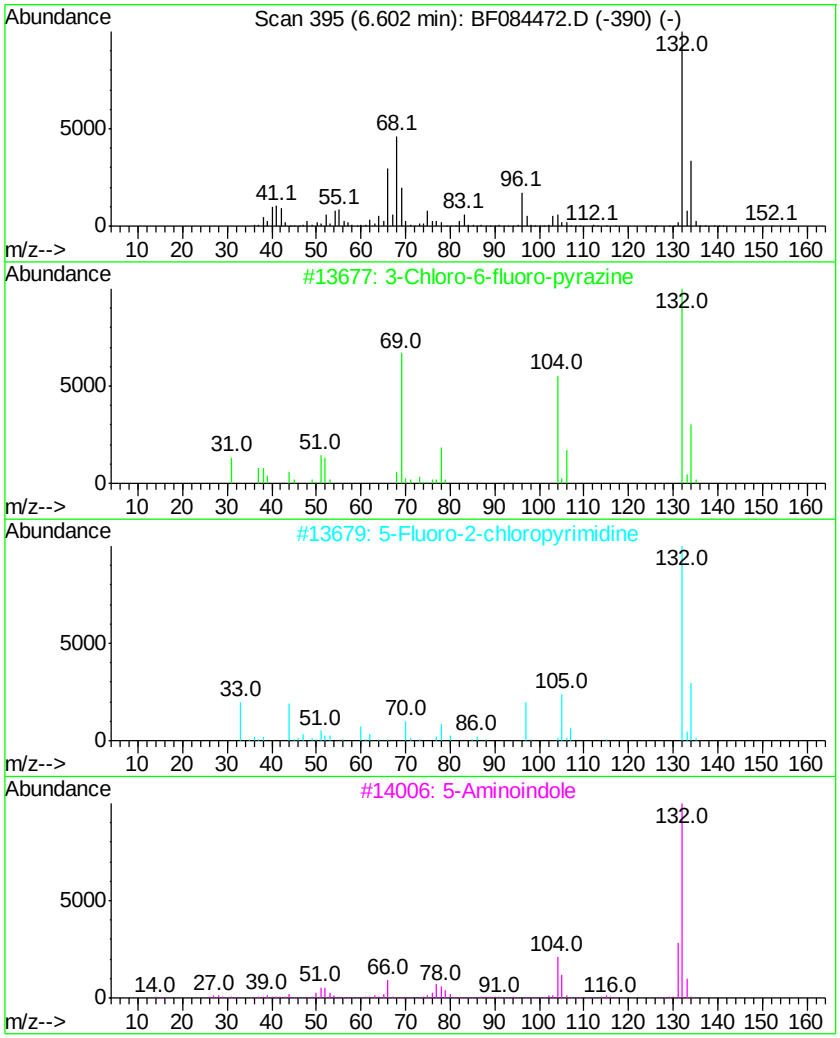
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

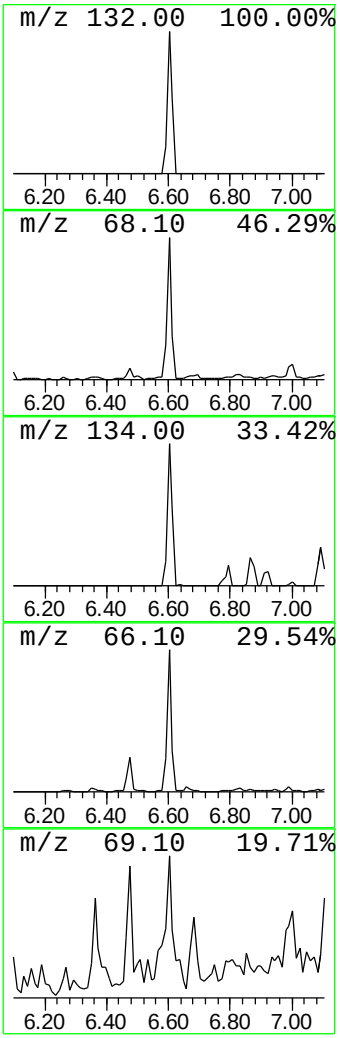
****

Peak Number 2 unknown6.60 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	34.16 ng	9407470	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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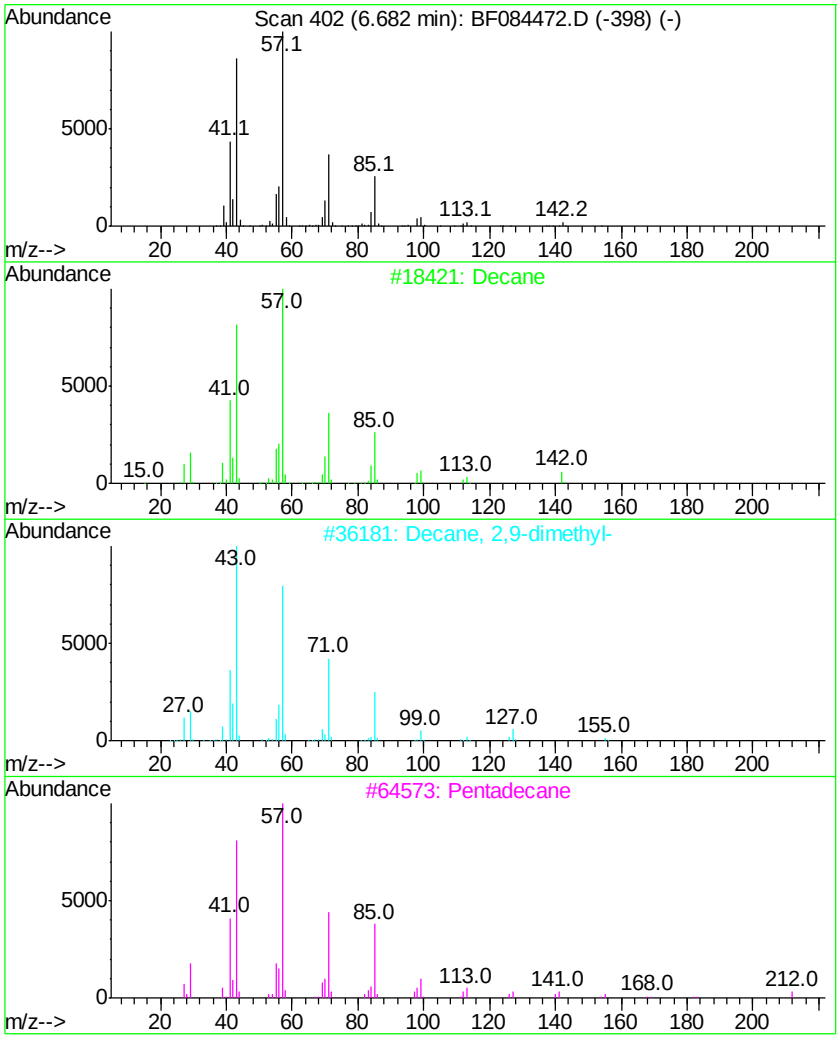
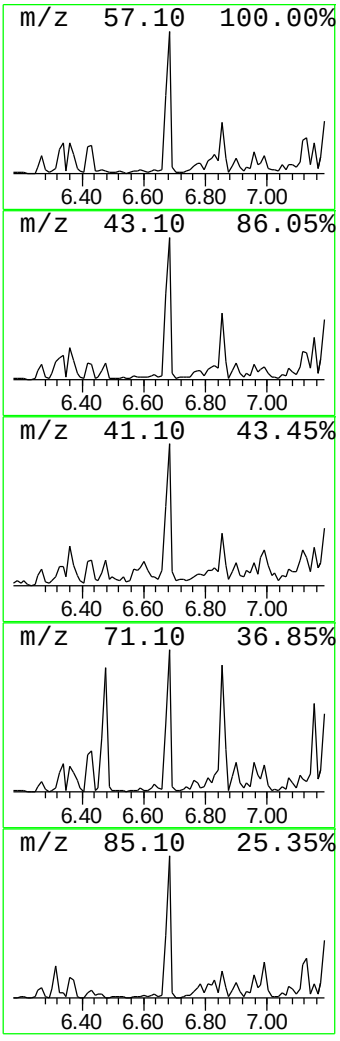
Peak Number 3 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	54.44 ng	14991500	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
3	Pentadecane	212	C15H32	000629-62-9	72
4	Nonane	128	C9H20	000111-84-2	72
5	Undecane	156	C11H24	001120-21-4	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

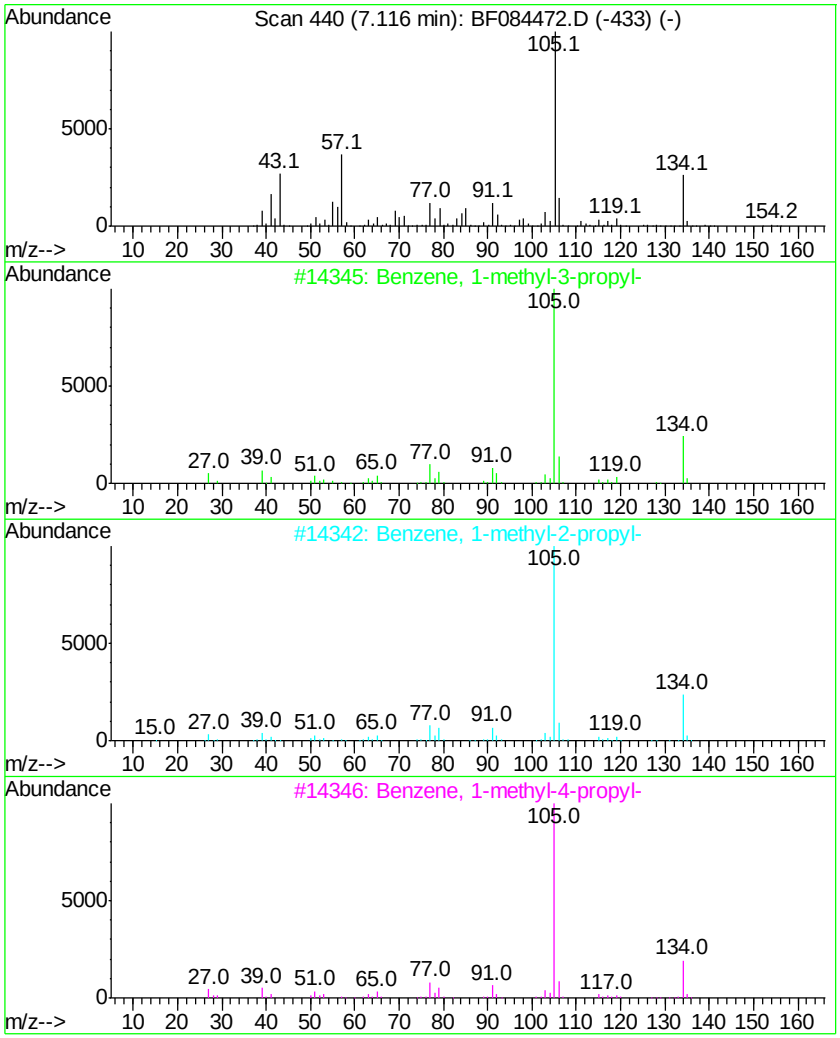
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

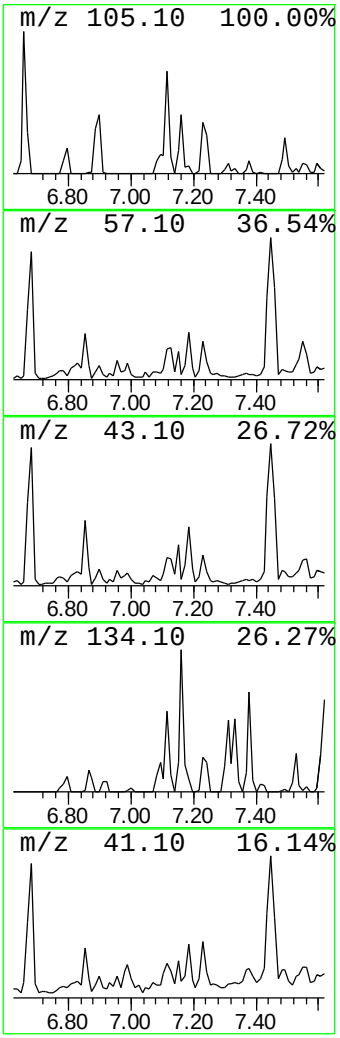
****

Peak Number 5 Benzene, 1-methyl-3-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	38.37 ng	10566400	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	76
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	70
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

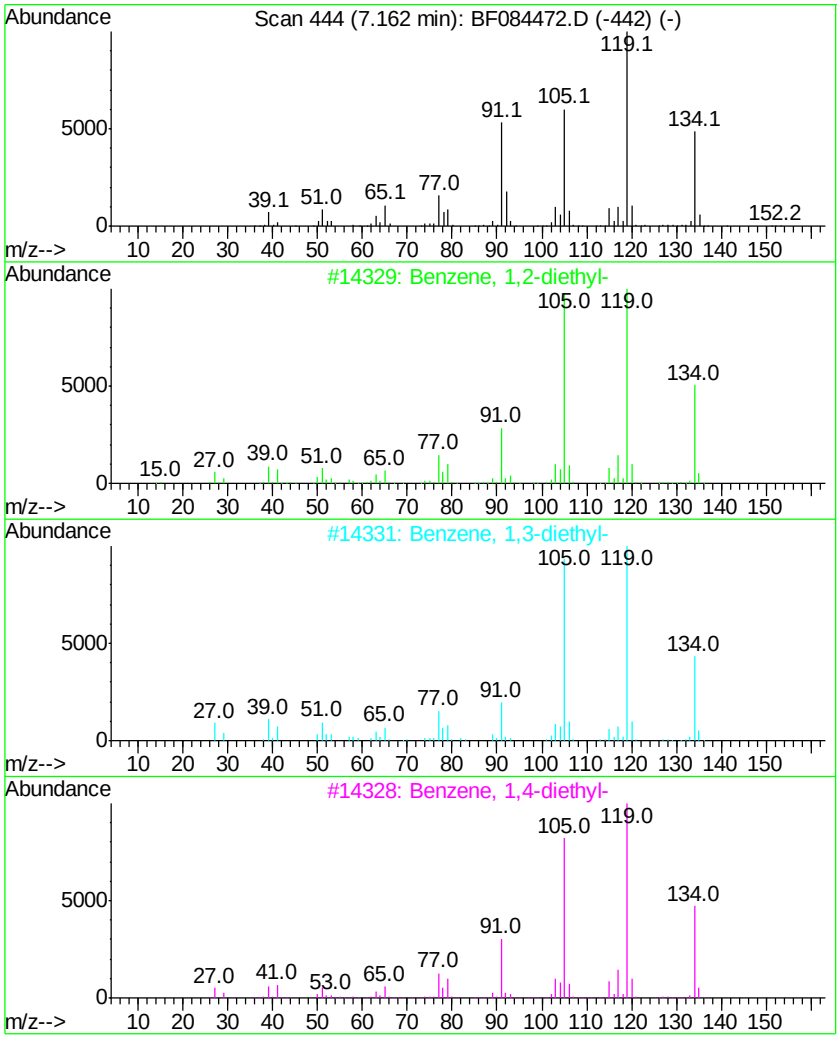
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

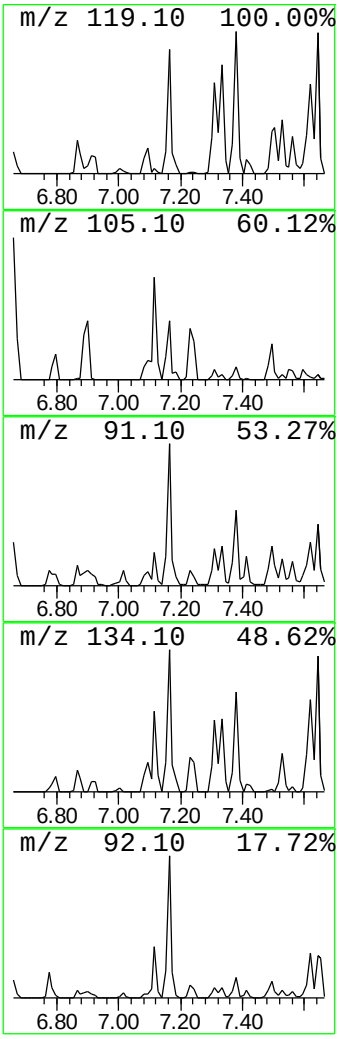
****

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	36.93 ng	10170200	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

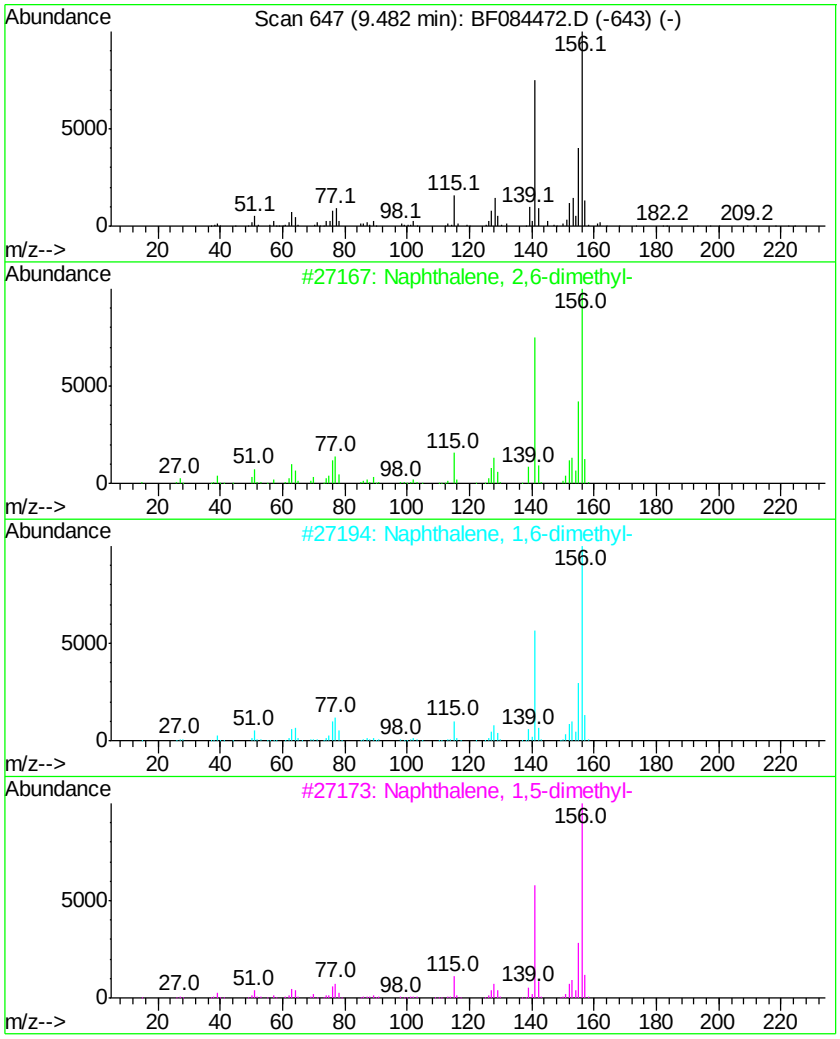
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

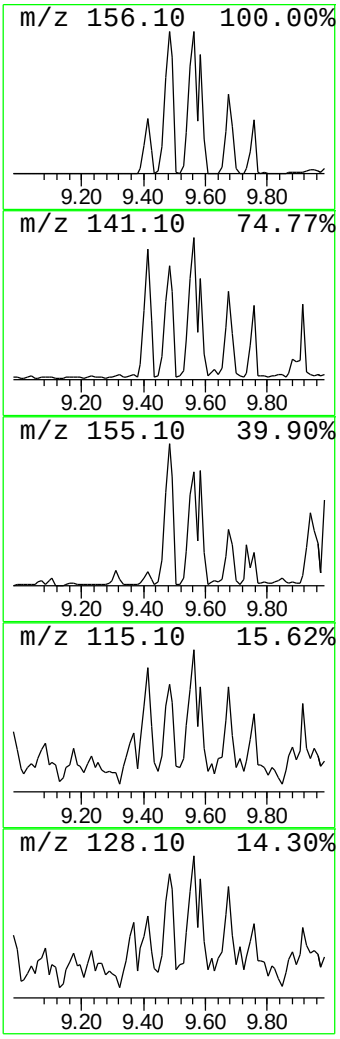
****

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	38.33 ng	11312100	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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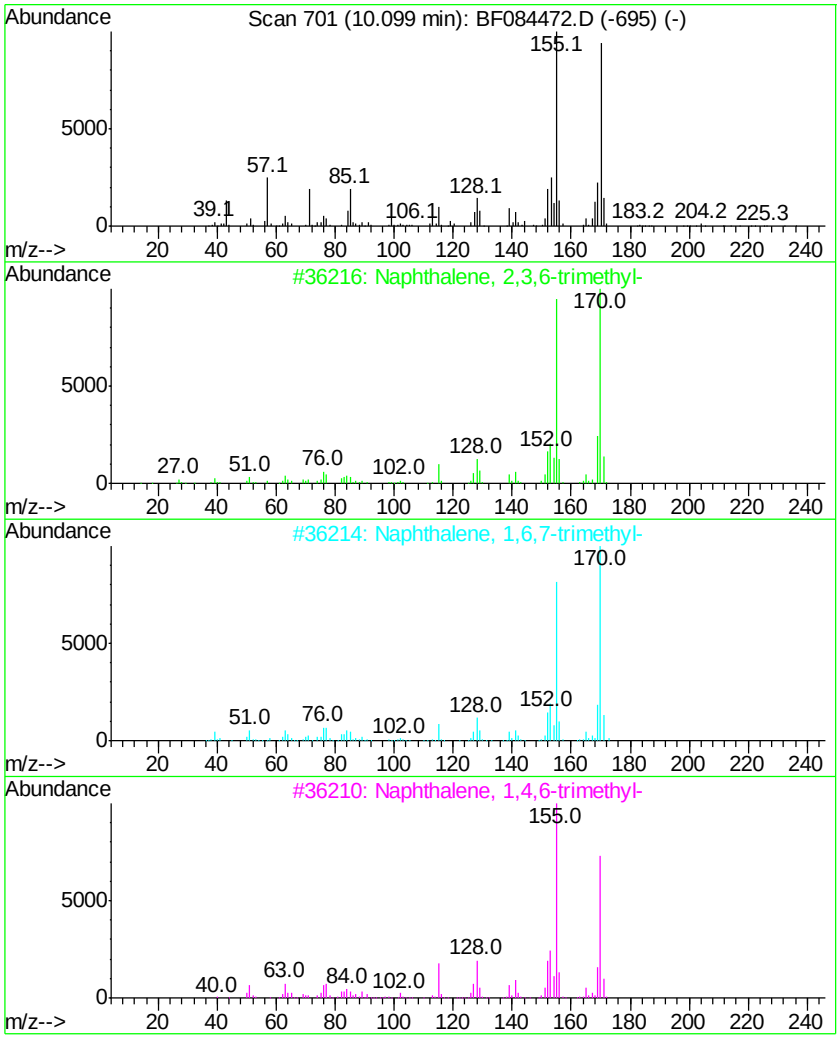
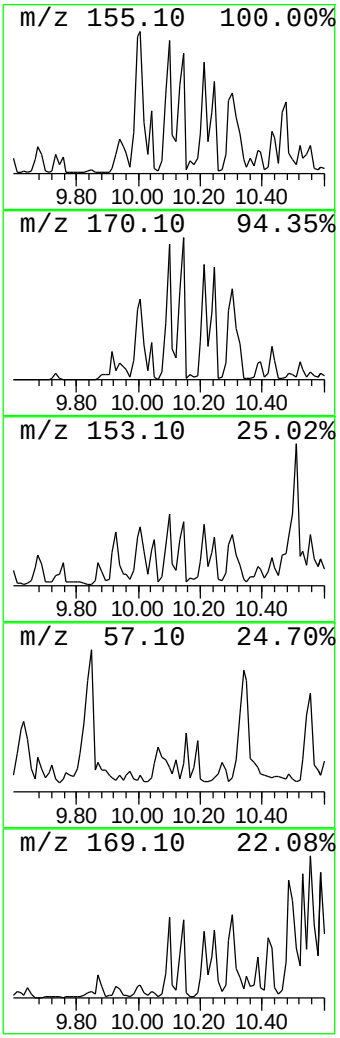
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	45.88 ng	13541200	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87





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Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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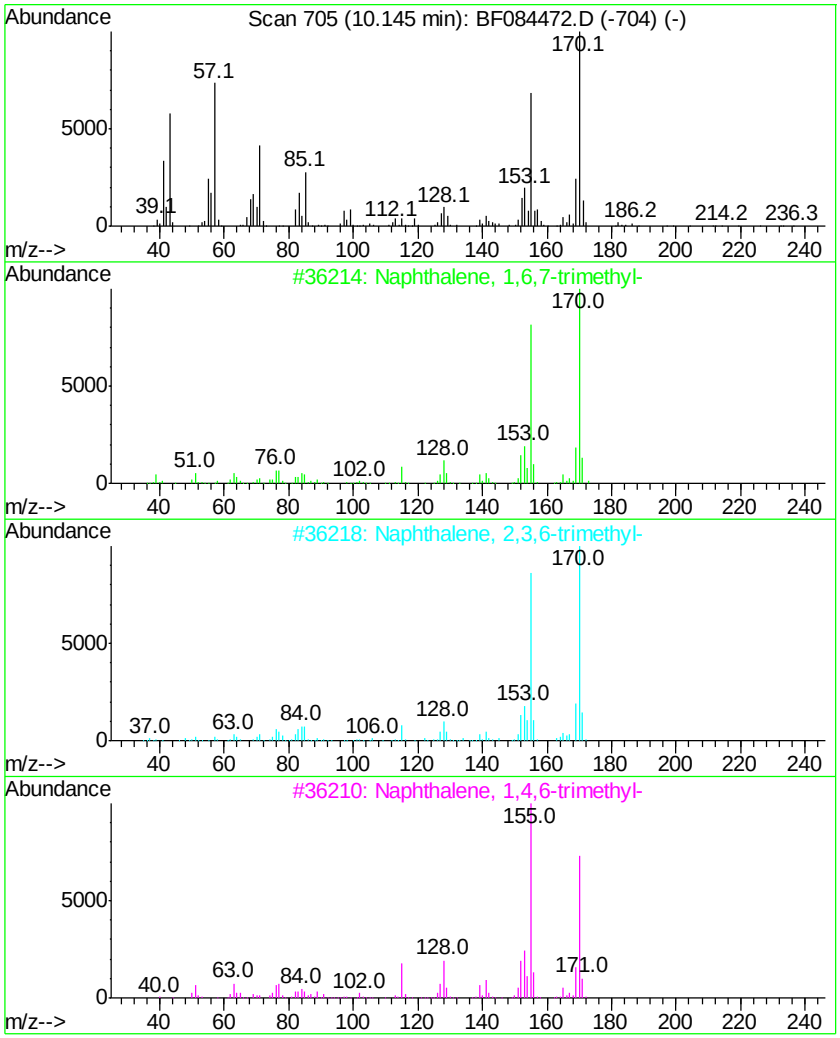
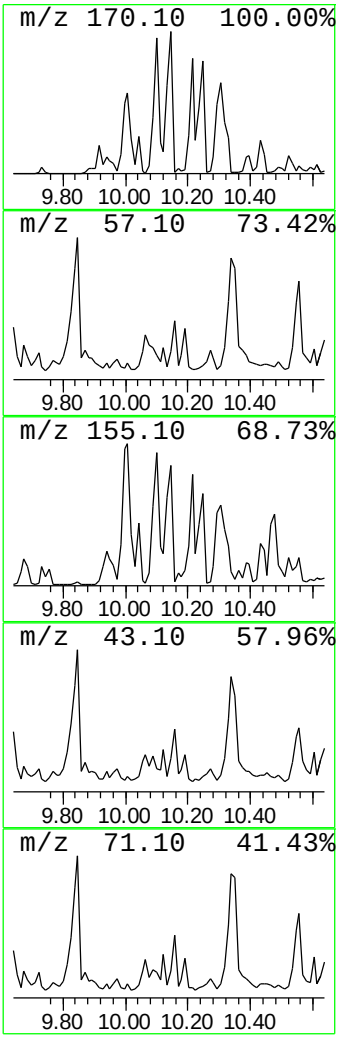
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	27.03 ng	7977070	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	70





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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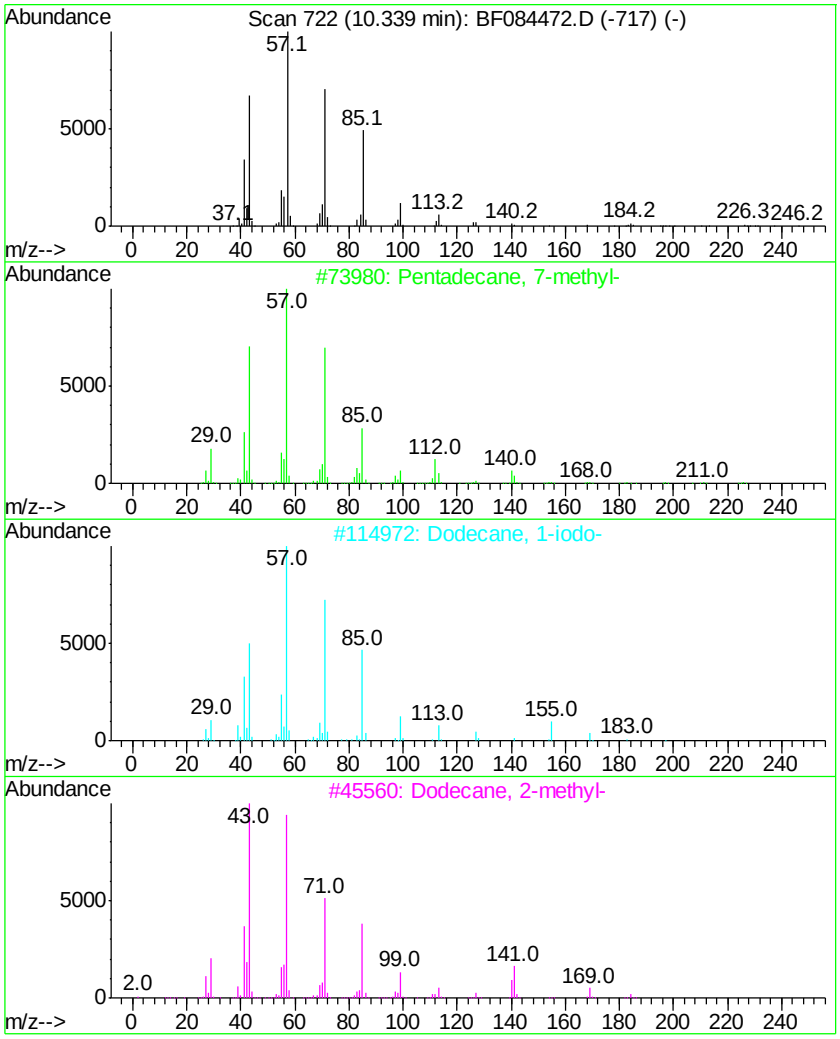
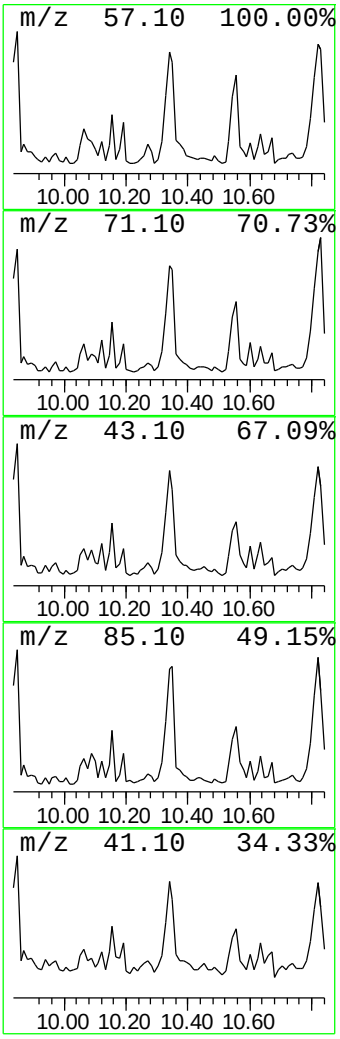
Peak Number 10 Pentadecane, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	63.22 ng	18658200	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	81
5	Eicosane	282	C20H42	000112-95-8	80





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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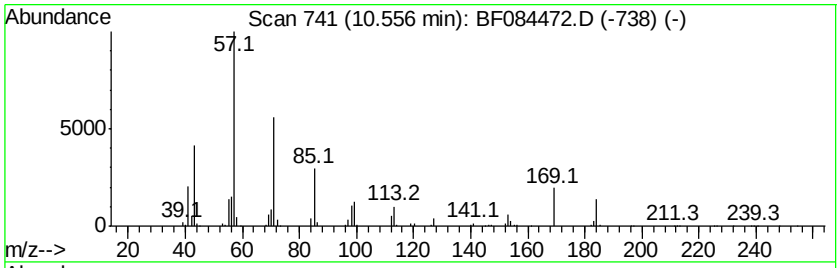
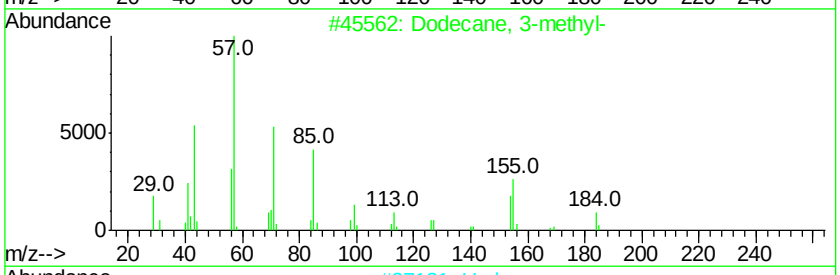
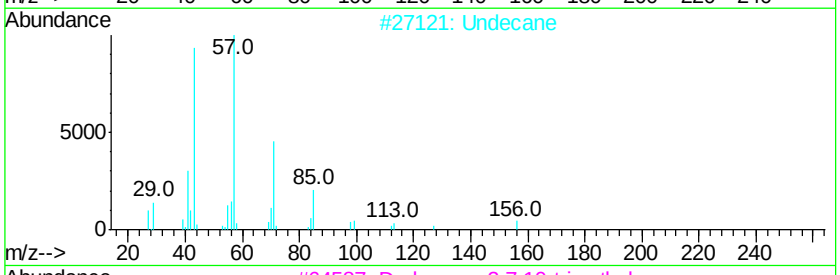
Peak Number 11 Dodecane, 3-methyl- Concentration Rank 17

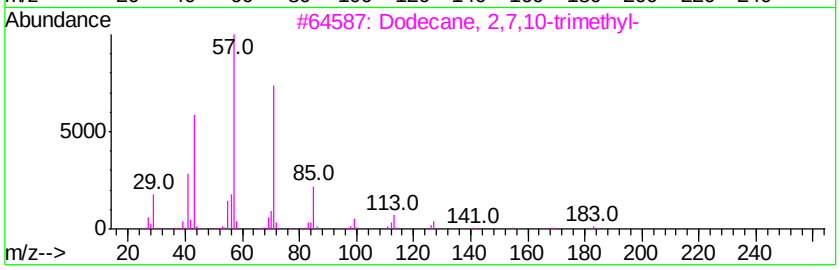
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	28.56 ng	8427140	Acenaphthene-d10	9.89

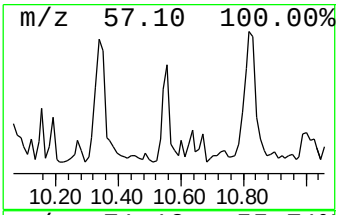
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
2	Undecane	156	C11H24	001120-21-4	62
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	47
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	47
5	Hexadecane	226	C16H34	000544-76-3	47

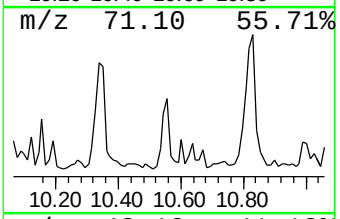


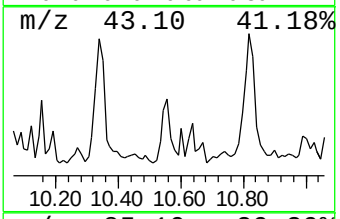


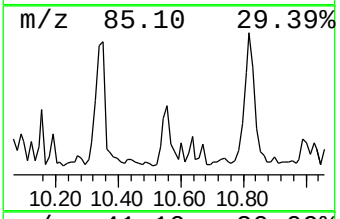


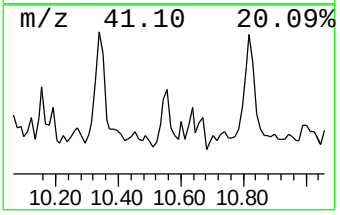












Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

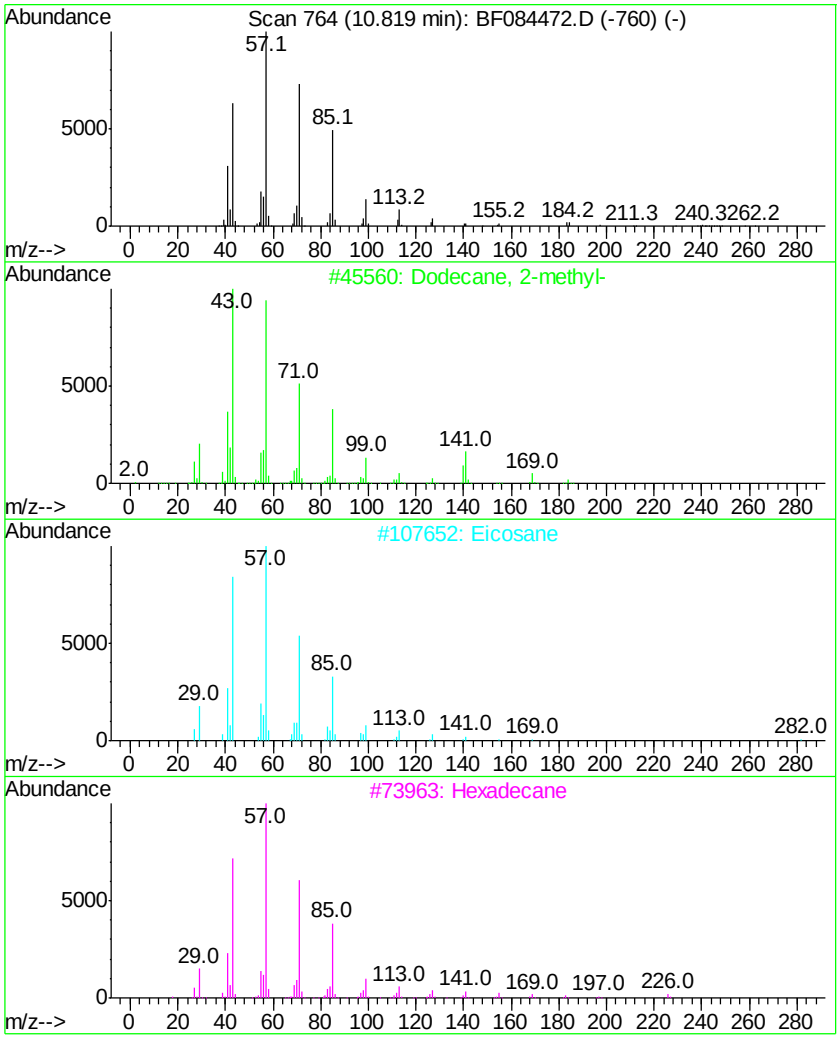
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

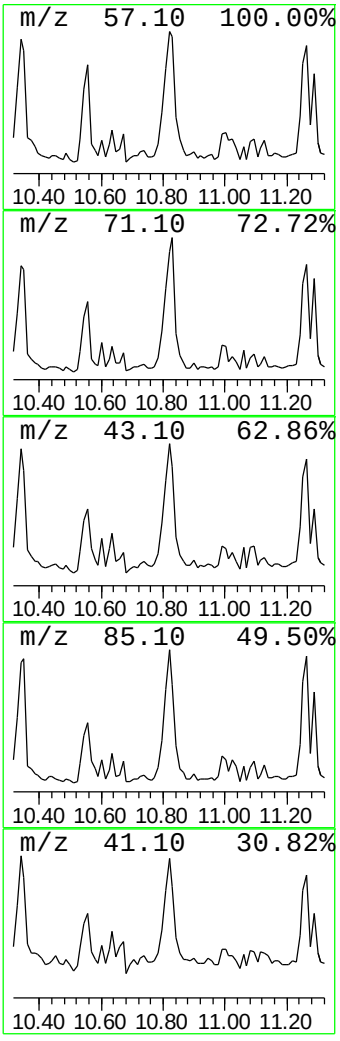
****

Peak Number 12 Dodecane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	99.25 ng	19714400	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
2	Eicosane	282	C20H42	000112-95-8	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tritetracontane	605	C43H88	007098-21-7	90
5	Nonadecane	268	C19H40	000629-92-5	86





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Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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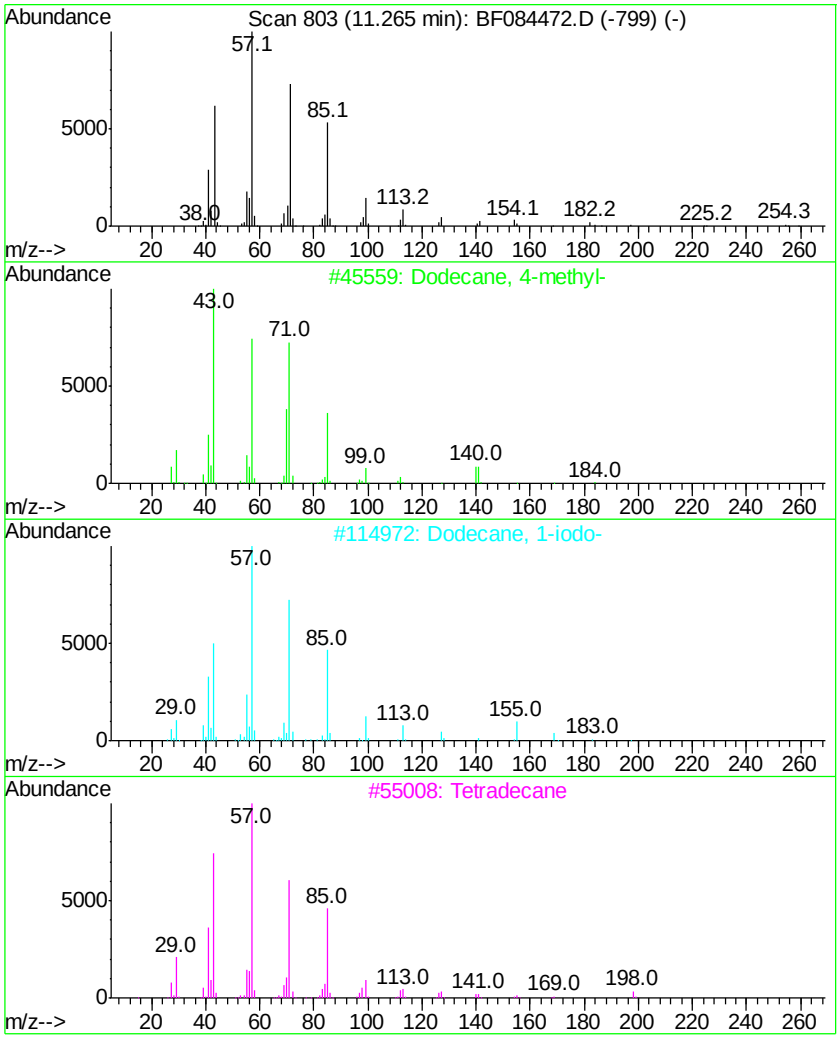
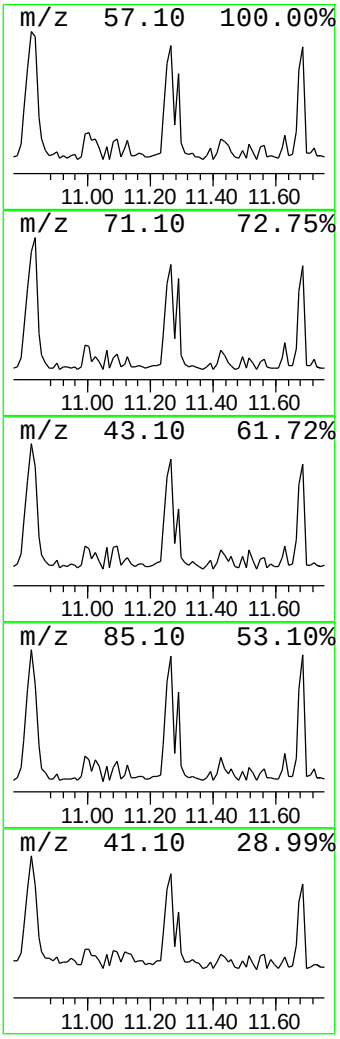
Peak Number 13 Dodecane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	111.59 ng	22164500	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	86
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Tetradecane	198	C14H30	000629-59-4	64
4	Pentadecane	212	C15H32	000629-62-9	64
5	Heptadecane	240	C17H36	000629-78-7	64





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Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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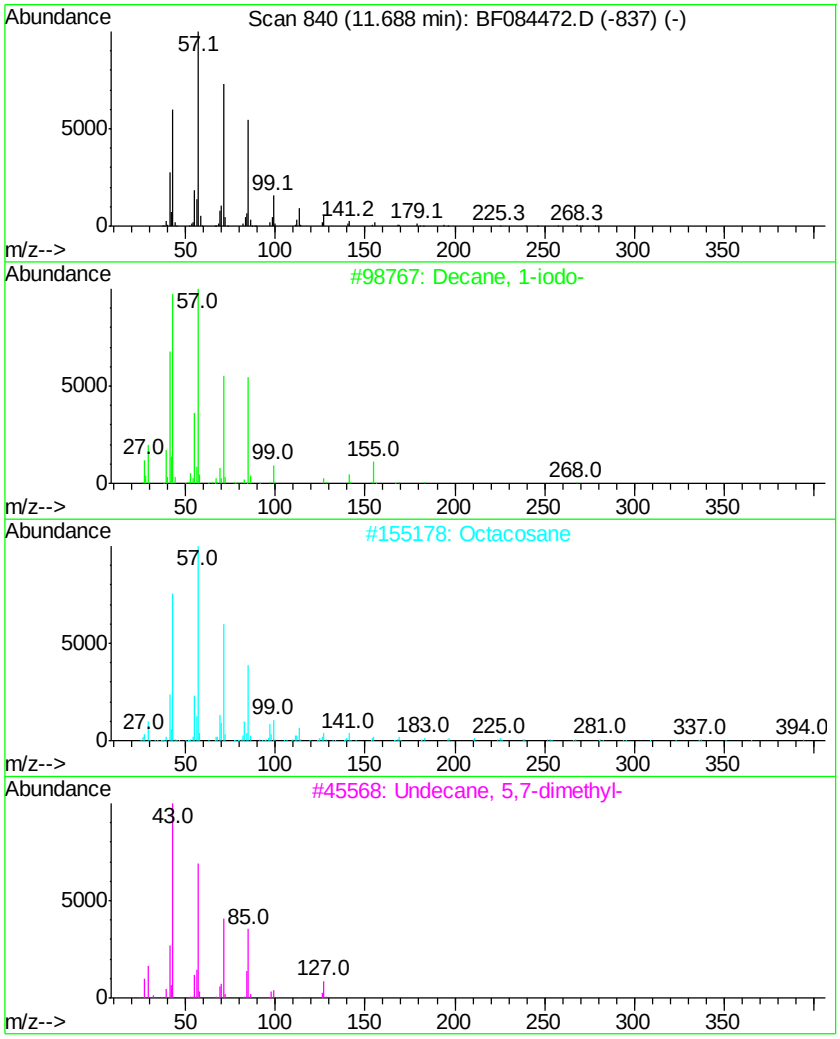
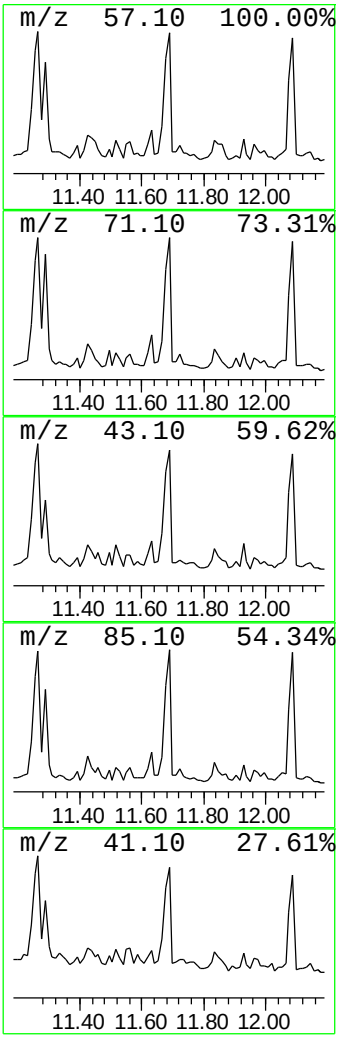
Peak Number 14 Decane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	55.86 ng	11096100	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1-iodo-	268	C10H21I	002050-77-3	86
2	Octacosane	394	C28H58	000630-02-4	83
3	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	80
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64





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Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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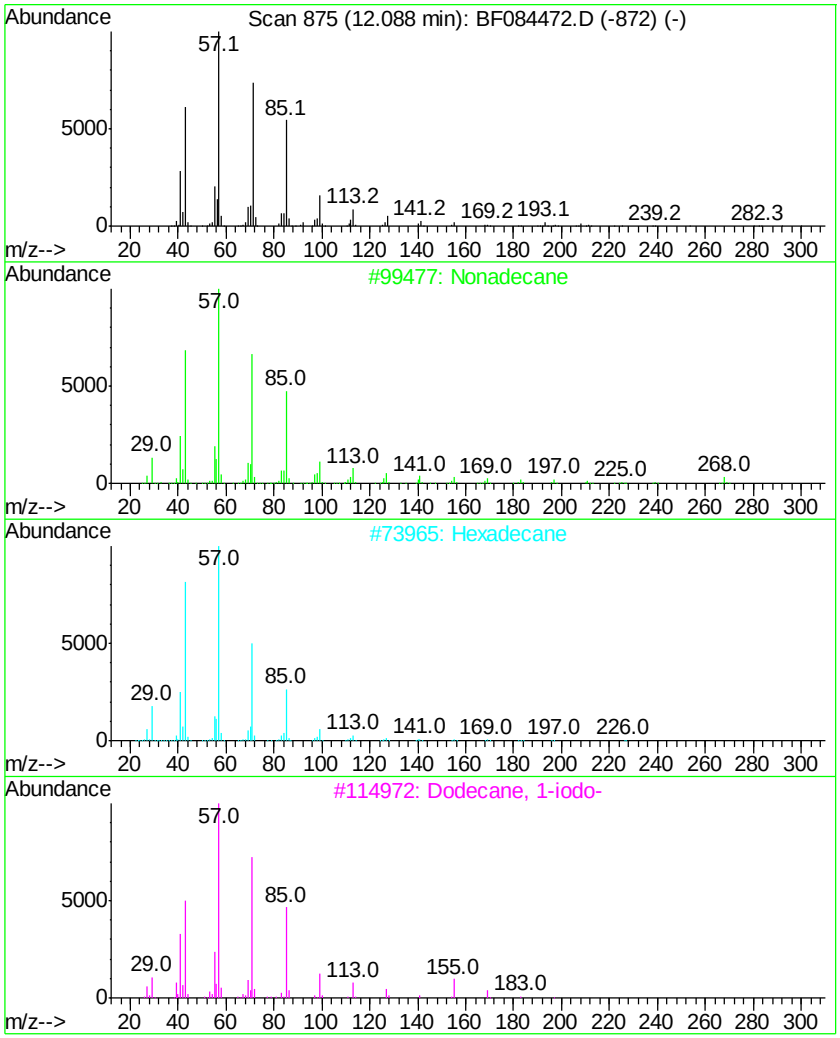
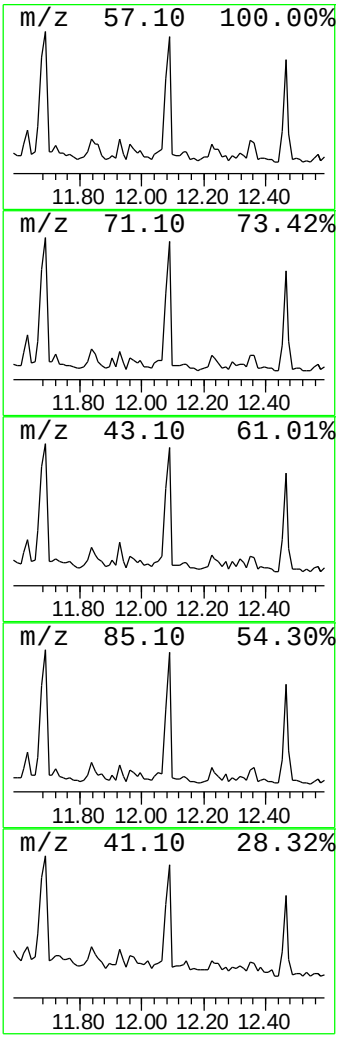
Peak Number 15 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	46.77 ng	9290510	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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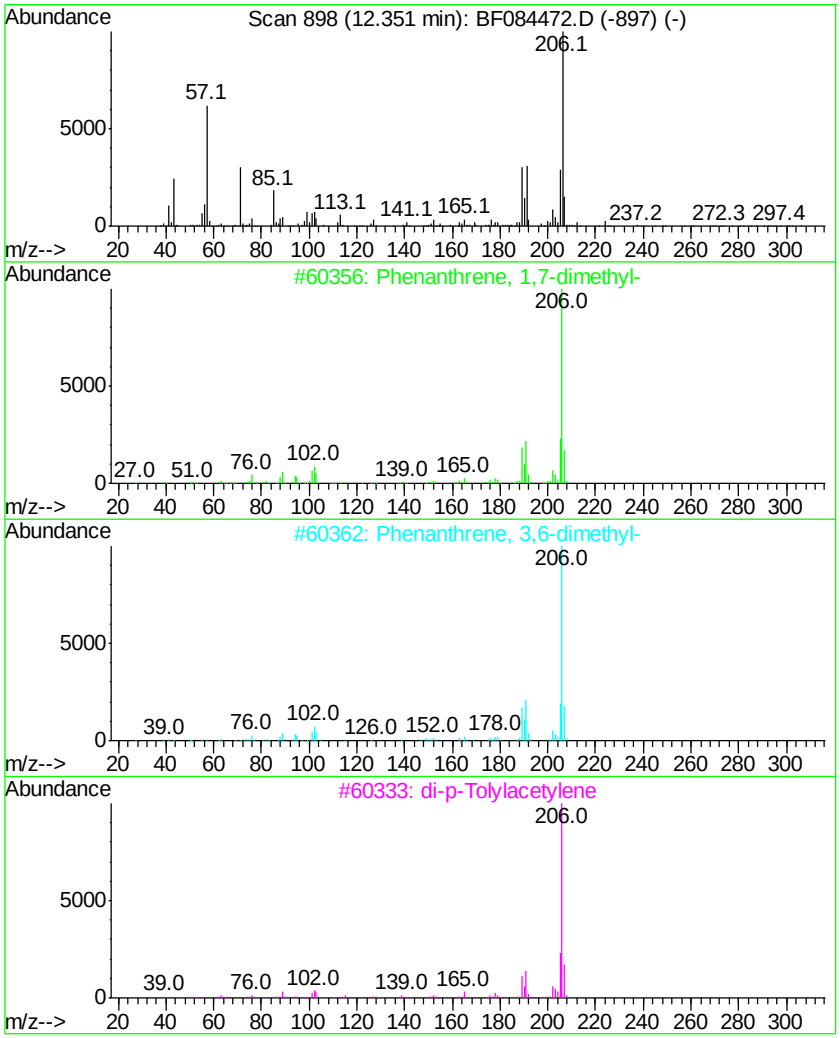
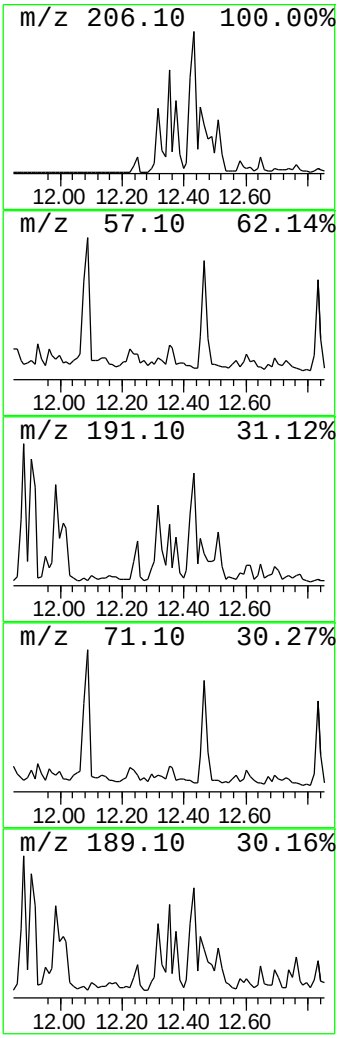
Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	23.91 ng	4749870	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	53





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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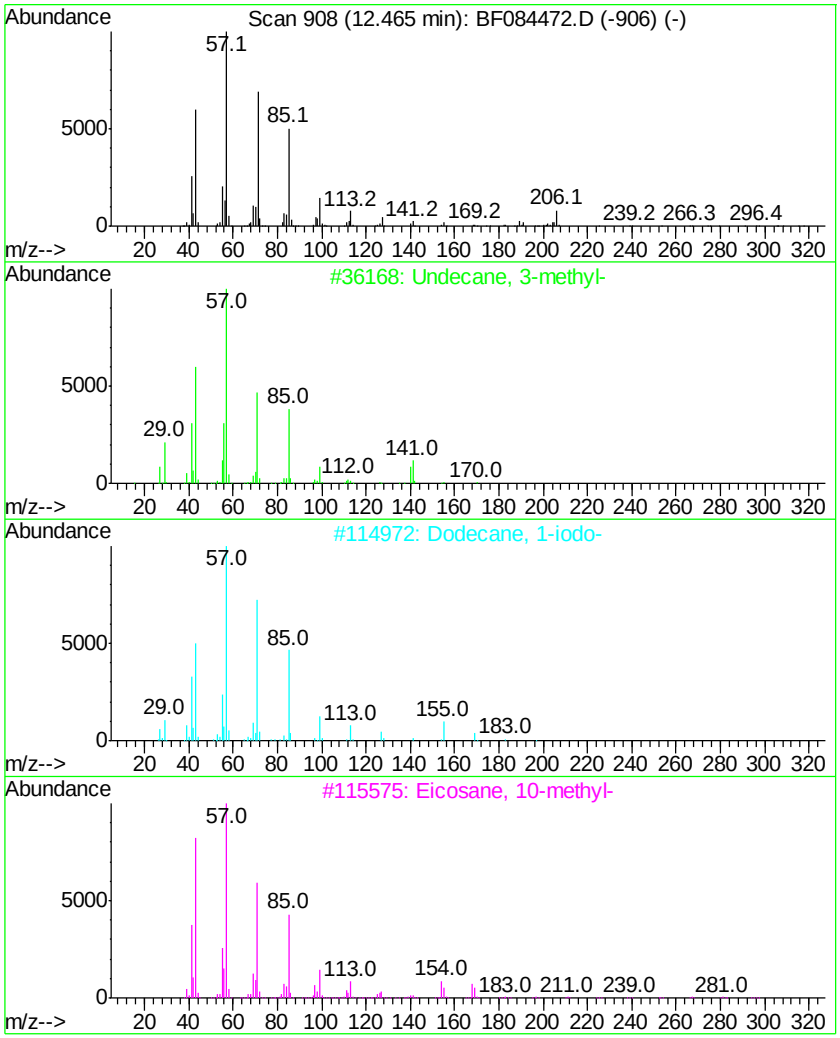
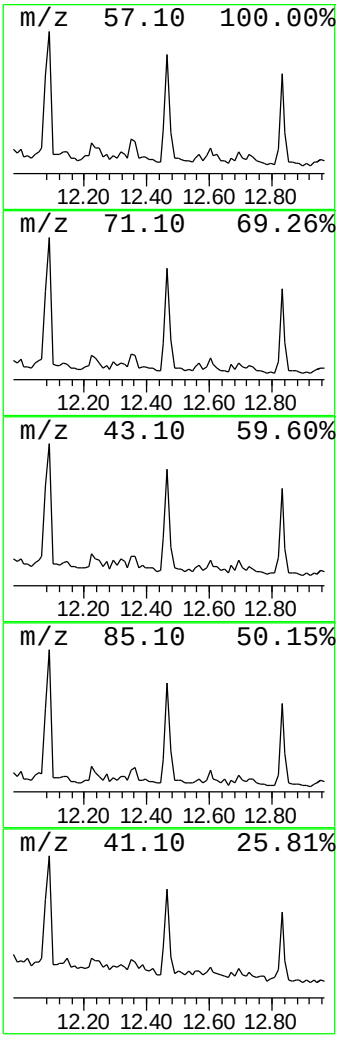
Peak Number 17 Undecane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	46.90 ng	9315490	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	87
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	83
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	80
5	Eicosane	282	C20H42	000112-95-8	74





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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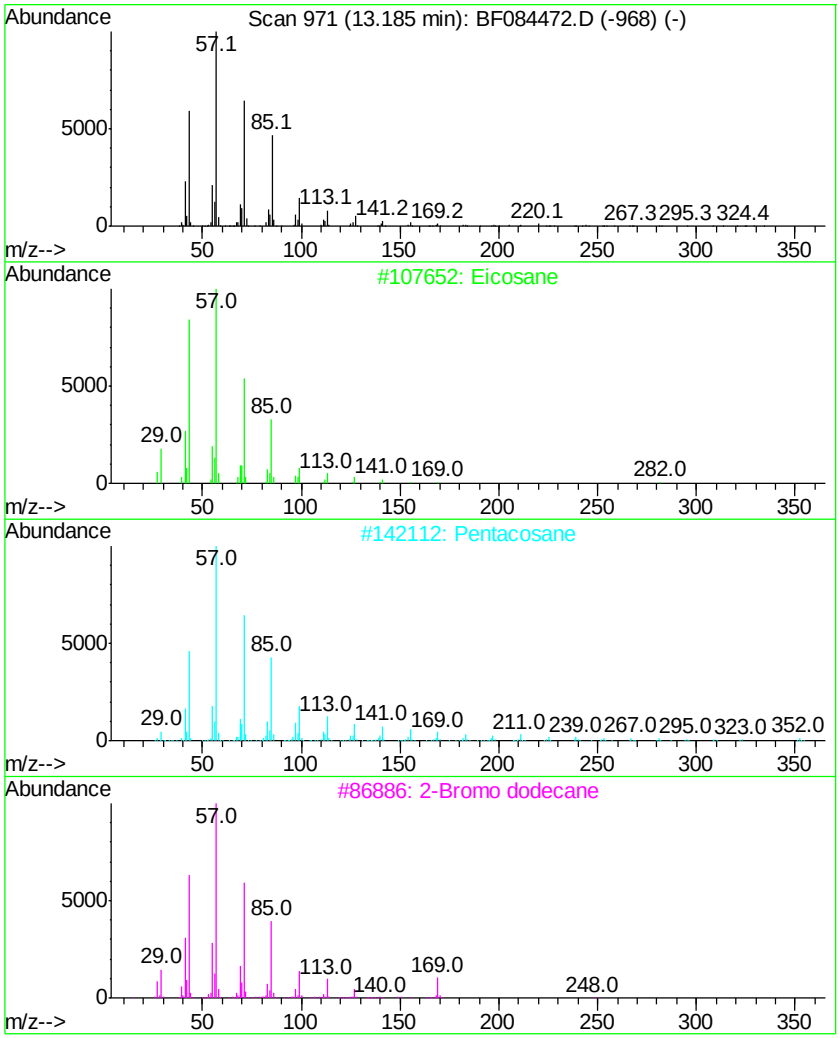
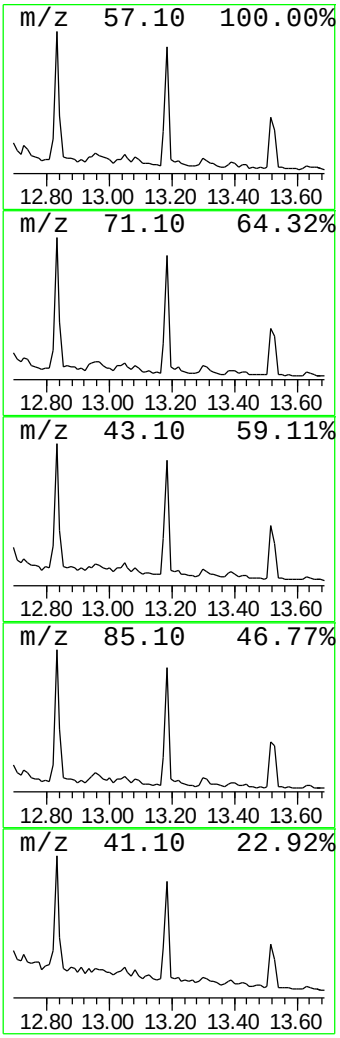
Peak Number 18 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	64.10 ng	5837450	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Pentacosane	352	C25H52	000629-99-2	90
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Heptacosane	380	C27H56	000593-49-7	81





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Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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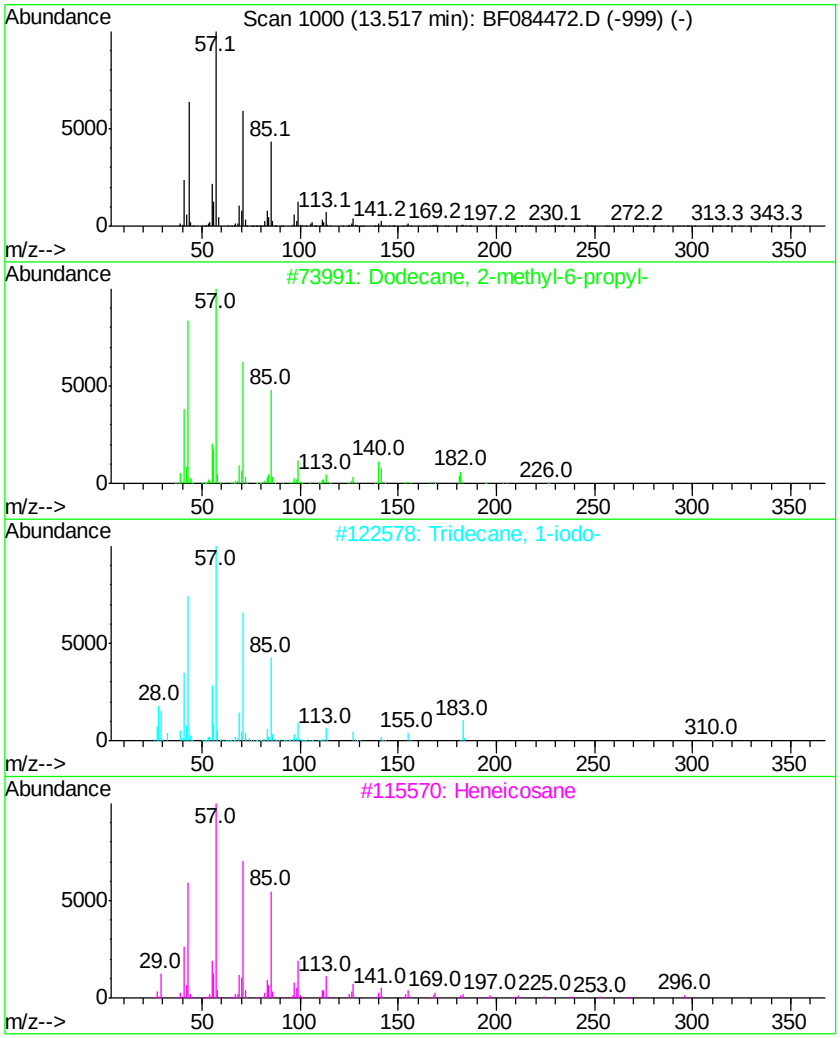
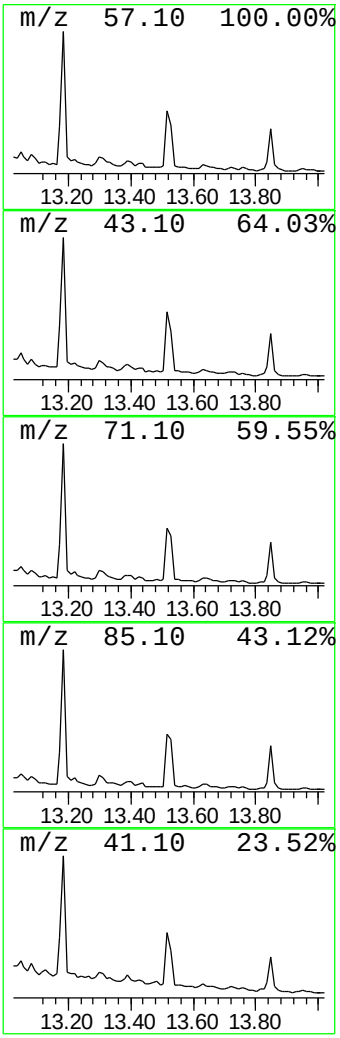
Peak Number 19 Dodecane, 2-methyl-6-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	35.32 ng	3216710	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Pentacosane	352	C25H52	000629-99-2	90
5	Heptacosane	380	C27H56	000593-49-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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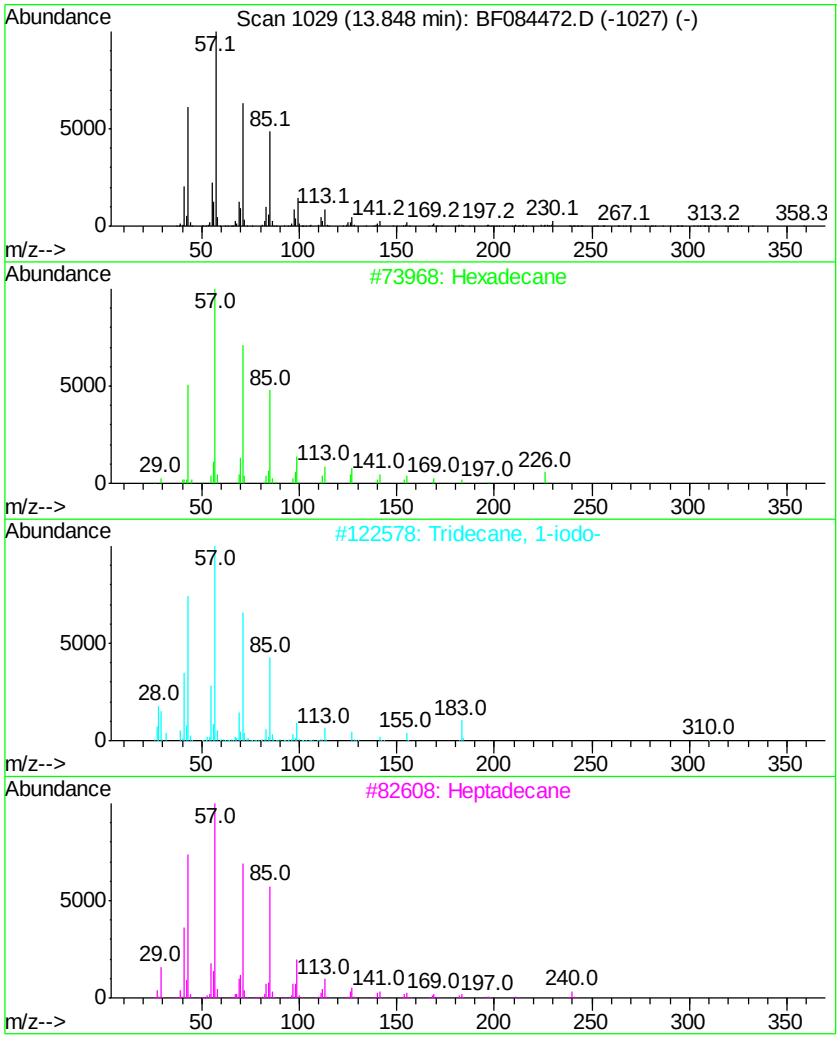
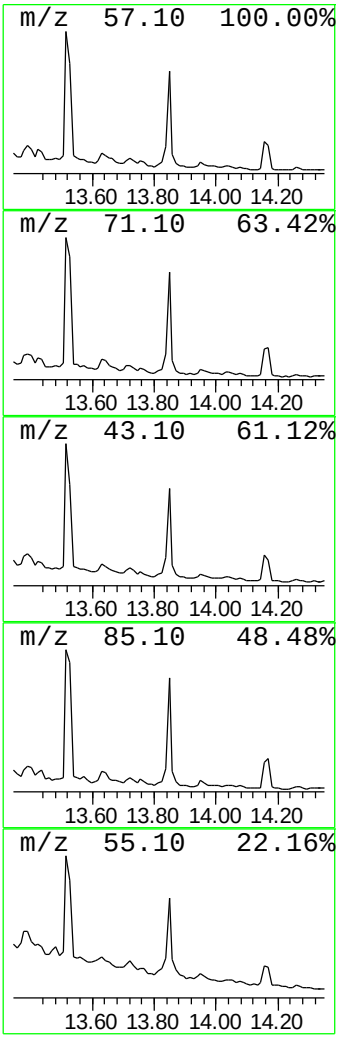
Peak Number 20 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	26.03 ng	2370310	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	1-Iodoundecane	282	C11H23I	004282-44-4	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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
Benzene, 1-ethyl-...	6.36	33.0	ng	9081490	1	6.83	5507090	20.0
unknown6.60	6.60	34.2	ng	9407470	1	6.83	5507090	20.0
Decane	6.68	54.4	ng	14991500	1	6.83	5507090	20.0
Benzene, 1-methyl...	7.12	38.4	ng	10566400	1	6.83	5507090	20.0
Benzene, 1,2-diet...	7.16	36.9	ng	10170200	1	6.83	5507090	20.0
Naphthalene, 2,6-...	9.48	38.3	ng	11312100	3	9.89	5902300	20.0
Naphthalene, 2,3,...	10.10	45.9	ng	13541200	3	9.89	5902300	20.0
Naphthalene, 1,6,...	10.14	27.0	ng	7977070	3	9.89	5902300	20.0
Pentadecane, 7-me...	10.34	63.2	ng	18658200	3	9.89	5902300	20.0
Dodecane, 3-methyl-	10.56	28.6	ng	8427140	3	9.89	5902300	20.0
Dodecane, 2-methyl-	10.82	99.3	ng	19714400	4	11.38	3972570	20.0
Dodecane, 4-methyl-	11.26	111.6	ng	22164500	4	11.38	3972570	20.0
Decane, 1-iodo-	11.69	55.9	ng	11096100	4	11.38	3972570	20.0
Nonadecane	12.09	46.8	ng	9290510	4	11.38	3972570	20.0
Phenanthrene, 1,7...	12.35	23.9	ng	4749870	4	11.38	3972570	20.0
Undecane, 3-methyl-	12.47	46.9	ng	9315490	4	11.38	3972570	20.0
Eicosane	13.19	64.1	ng	5837450	5	14.00	1821430	20.0
Dodecane, 2-methy...	13.52	35.3	ng	3216710	5	14.00	1821430	20.0
Hexadecane	13.85	26.0	ng	2370310	5	14.00	1821430	20.0