LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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-BF102116.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	5.011	231	234	244	rBV	524865	790454	19.77%	1.646%
2	5.434	268	271	280	rBV	3421664	3627624	90.73%	7.553%
3	6.474	359	362	364	rBV	3552852	3882270	97.10%	8.083%
4	6.600	370	373	376	rBV	3931104	3840193	96.05%	7.995%
5	6.669	378	379	382	rVB2	33812	43270	1.08%	0.090%
6	6.829	391	393	398	rBV	785563	1022215	25.57%	2.128%
7	6.897	398	399	403	rVB4	26630	41042	1.03%	0.085%
8	6.989	405	407	410	rBV	3500746	3169909	79.28%	6.600%
9	7.400	440	443	445	rBV	2226661	2183626	54.62%	4.546%
10	7.435	445	446	448	rVV	120295	140534	3.51%	0.293%
11	7.480	448	450	455	rVB3	27371	87209	2.18%	0.182%
12	7.640	463	464	468	rVB2	82217	85078	2.13%	0.177%
13	7.732	468	472	473	rBV3	18216	46900	1.17%	0.098%
14	7.755	473	474	476	rVB2	45914	54310	1.36%	0.113%
15	7.812	476	479	480	rBV	37430	59878	1.50%	0.125%
16	7.880	483	485	486	rBV2	32913	43368	1.08%	0.090%
17	8.029	493	498	500	rBV3	60583	155126	3.88%	0.323%
18	8.075	500	502	503	rVV2	23697	41554	1.04%	0.087%
19	8.120	503	506	508	rVV	1537754	1548343	38.73%	3.224%
20	8.189	508	512	513	rVV2	97781	179337	4.49%	0.373%
21	8.223	513	515	518	rVB3	33791	84384	2.11%	0.176%
22	8.292	519	521	523	rBV3	39936	49349	1.23%	0.103%
23	8.417	528	532	533	rBV2	93023	148228	3.71%	0.309%
24	8.475	535	537	538	rVB2	42270	54617	1.37%	0.114%
25	8.509	538	540	541	rBV2	48060	57204	1.43%	0.119%
26	8.543	541	543	548	rVB3	109226	278936	6.98%	0.581%
27	8.623	548	550	552	rBV2	35891	59955	1.50%	0.125%
28	8.669	552	554	556	rVB2	35955	52199	1.31%	0.109%
29	8.715	556	558	560	rBV	277717	288086	7.21%	0.600%
30	8.863	569	571	575	rBV4	29011	70176	1.76%	0.146%
31	9.000	581	583	585	rBV2	117010	131088	3.28%	0.273%
32	9.046	585	587	588	rVB2	56297	65182	1.63%	0.136%
33	9.080	588	590	591	rBV	74538	73406	1.84%	0.153%
34	9.115	591	593	594	rVV2	58382	68675	1.72%	0.143%

LSC Area Percent Report

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Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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-BF102116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.149	594	596	598	rVV	218441	181383	4.54%	0.378%
36	9.195	598	600	603	rVV	3585421	3998203	100.00%	8.324%
37	9.286	605	608	610	rVV	389037	570791	14.28%	1.188%
38	9.320	610	611	613	rVV2	74378	134991	3.38%	0.281%
39	9.400	616	618	619	rBV2	45396	52597	1.32%	0.110%
40	9.515	626	628	629	rBV2	54642	90434	2.26%	0.188%
41	9.595	633	635	640	rVV	1056344	1378663	34.48%	2.870%
42	9.663	640	641	642	rVV	83602	70784	1.77%	0.147%
43	9.743	646	648	649	rBV2	78319	125583	3.14%	0.261%
44	9.789	650	652	653	rVV	131888	170509	4.26%	0.355%
45	9.812	653	654	656	rVV	520341	418330	10.46%	0.871%
46	9.869	657	659	662	rVV	1149161	1457125	36.44%	3.034%
47	9.938	662	665	667	rVB4	73470	139151	3.48%	0.290%
48	10.041	672	674	675	rBV	110820	153261	3.83%	0.319%
49	10.132	680	682	686	rVB2	200763	288426	7.21%	0.600%
50	10.315	696	698	699	rVB	452391	417563	10.44%	0.869%
51	10.532	714	717	720	rBV	380529	535138	13.38%	1.114%
52	10.658	726	728	731	rBV2	1474515	2040537	51.04%	4.248%
53	10.715	731	733	735	rVV3	100456	196650	4.92%	0.409%
54	10.795	738	740	743	rVV2	791302	1382635	34.58%	2.879%
55	10.852	743	745	746	rVV	164147	206931	5.18%	0.431%
56	10.886	746	748	749	rVV2	150043	210536	5.27%	0.438%
57	10.909	749	750	754	rVB3	126769	283709	7.10%	0.591%
58	11.001	754	758	759	rBV3	138627	381491	9.54%	0.794%
59	11.069	762	764	766	rVV	117260	210934	5.28%	0.439%
60	11.103	766	767	771	rVB2	150907	163068	4.08%	0.340%
61	11.229	776	778	780	rVV	415685	452009	11.31%	0.941%
62	11.263	780	781	783	rVB	484172	408431	10.22%	0.850%
63	11.355	787	789	793	rBV	1000152	1136003	28.41%	2.365%
64	11.606	809	811	813	rVB2	119326	175108	4.38%	0.365%
65	11.664	813	816	817	rVB	259279	322976	8.08%	0.672%
66	12.064	850	851	854	rBV	352950	308073	7.71%	0.641%
67	12.349	874	876	877	rBV	91547	95090	2.38%	0.198%
68	12.452	883	885	887	rVB	291666	269072	6.73%	0.560%
69	12.566	893	895	898	rBV	126806	152045	3.80%	0.317%
70	12.795	914	915	916	rBV	129809	114119	2.85%	0.238%
71	12.829	916	918	920	rVB	216907	203044	5.08%	0.423%

LSC Area Percent Report

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Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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-BF102116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.944	926	928	931	rBV	3085988	3115856	77.93%	6.487%
73	13.184	947	949	951	rVB	134488	116931	2.92%	0.243%
74	13.847	1006	1007	1013	rVB	281886	341654	8.55%	0.711%
75	13.995	1018	1020	1024	rVV	902573	1059333	26.50%	2.205%
76	14.487	1061	1063	1065	rBV2	124333	225206	5.63%	0.469%
77	15.024	1108	1110	1112	rBV	122266	214257	5.36%	0.446%
78	15.424	1143	1145	1156	rVB	532511	1166419	29.17%	2.428%
79	16.098	1202	1204	1211	rVB2	159685	372889	9.33%	0.776%

Sum of corrected areas: 48031663

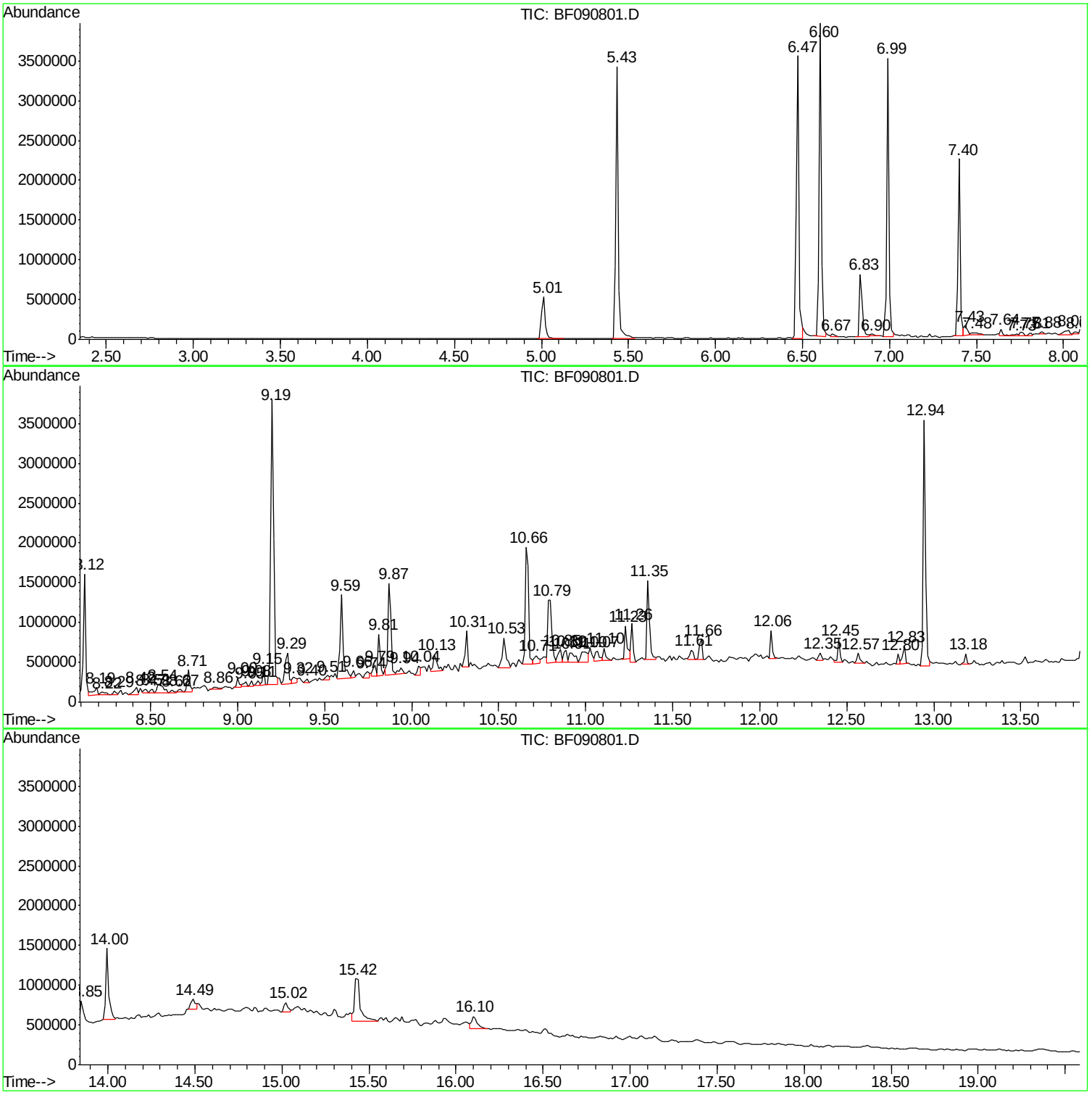
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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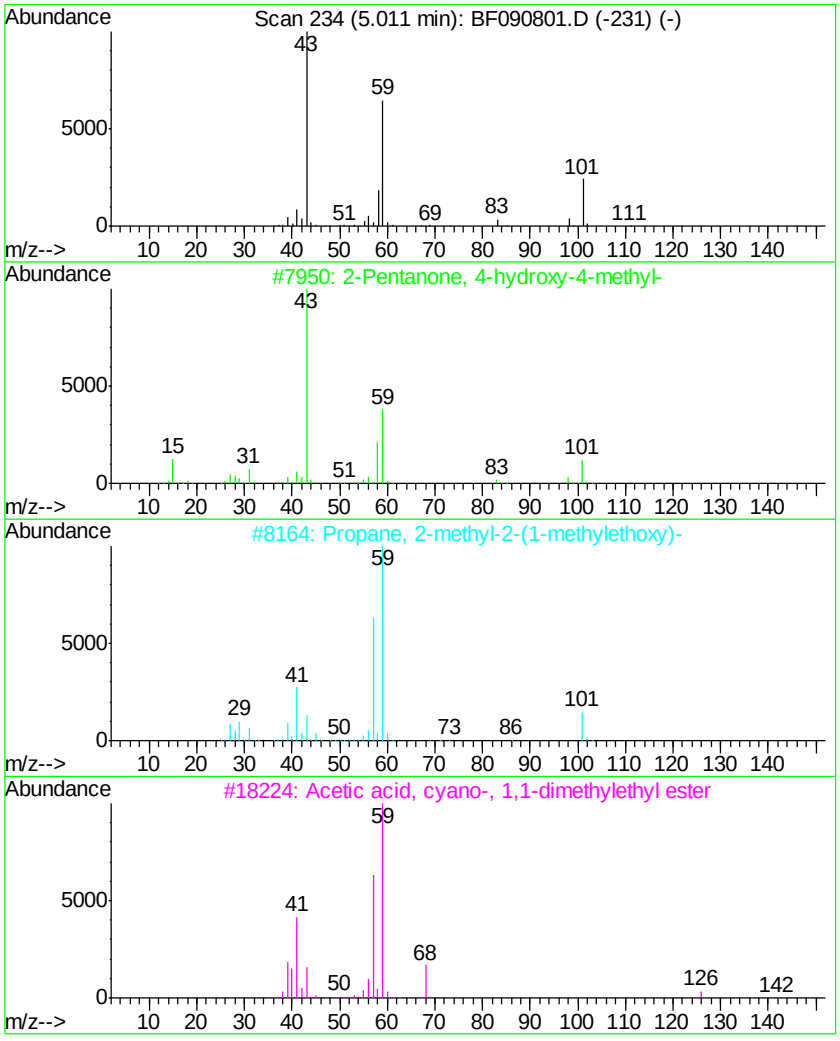
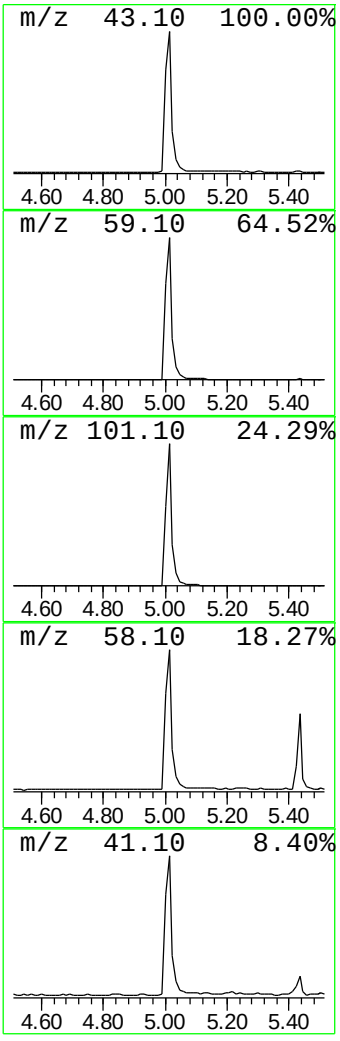
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	15.47 ng	790454	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Guanidine	59	CH5N3	000113-00-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

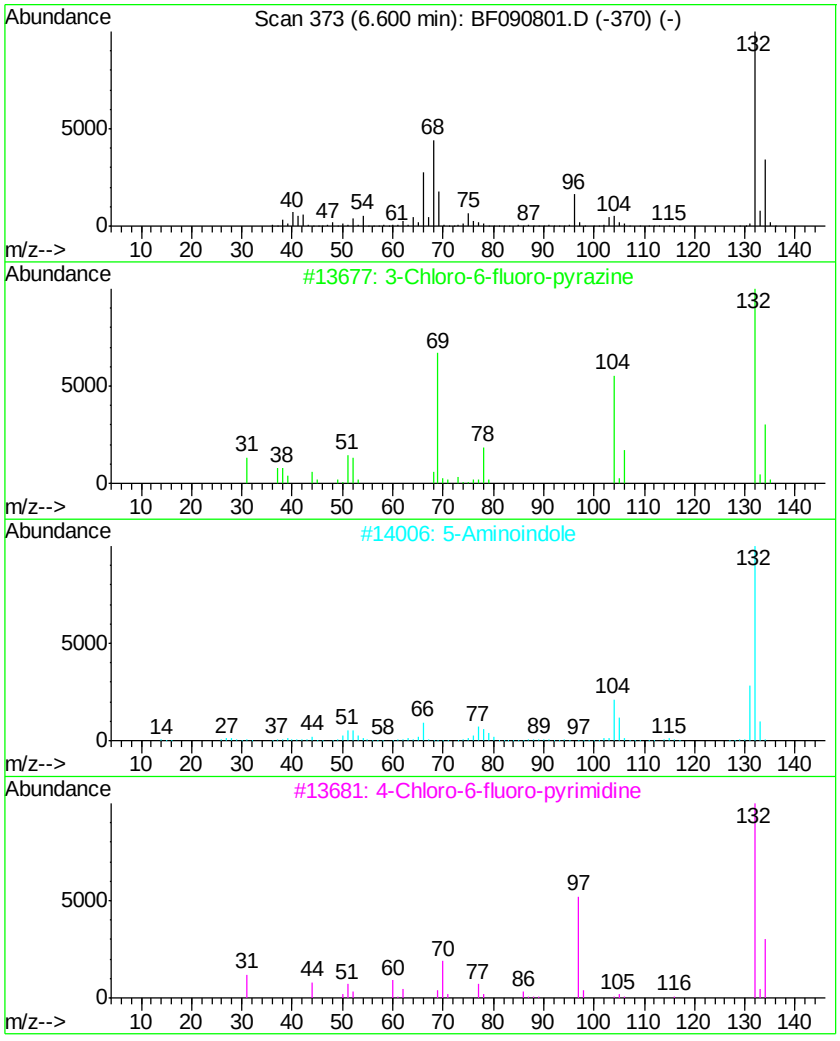
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

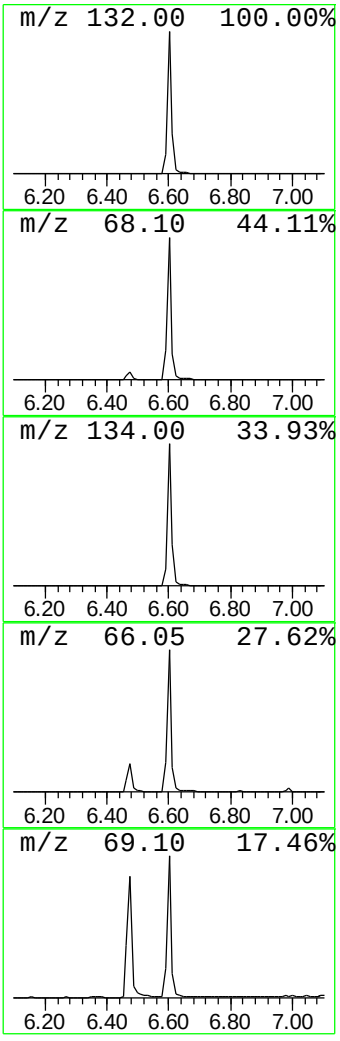
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	75.13 ng	3840190	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	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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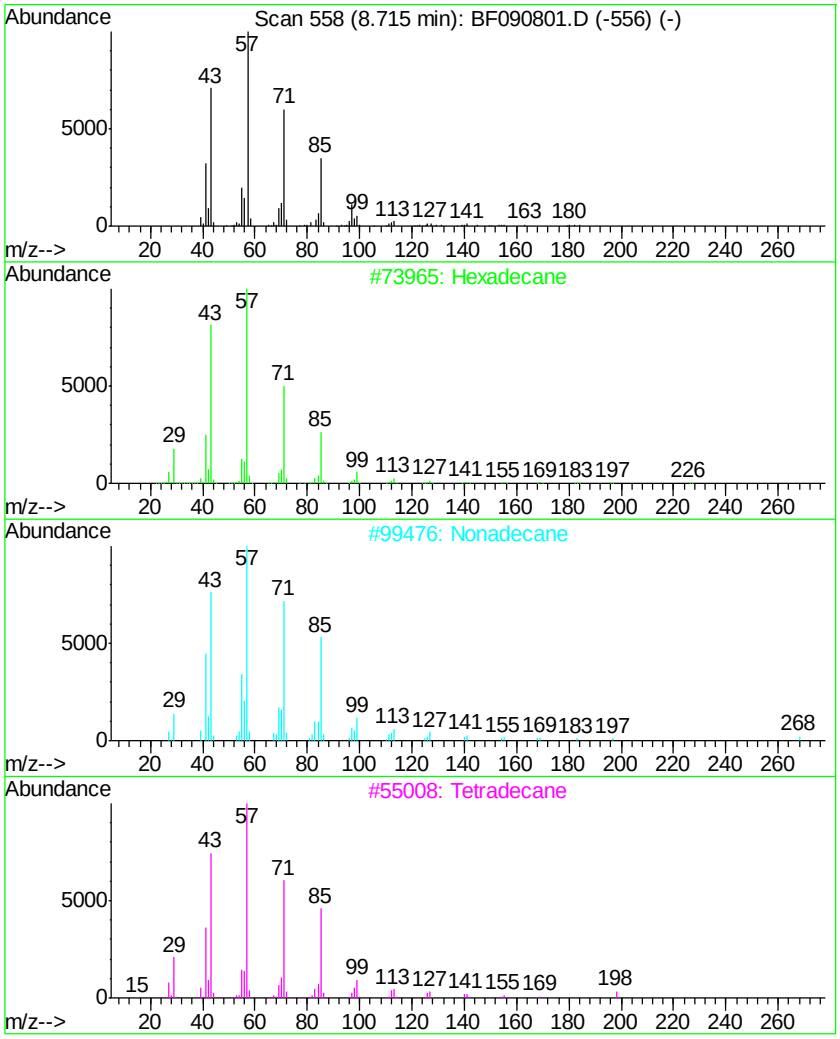
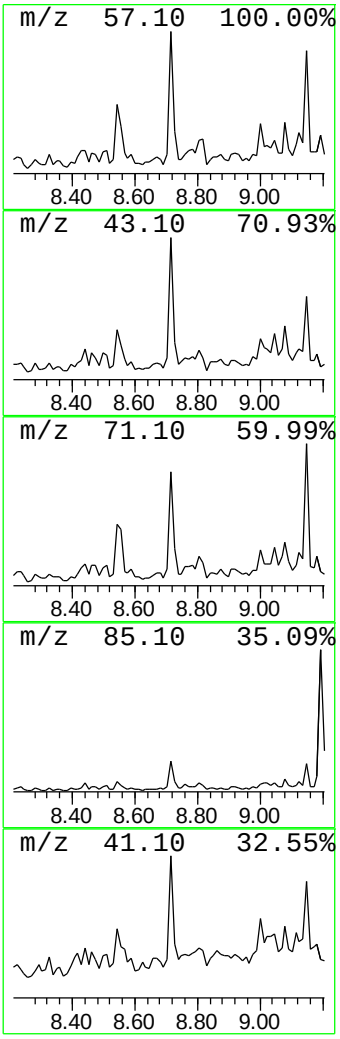
Peak Number 4 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	3.72 ng	288086	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Nonadecane	268	C19H40	000629-92-5	80
3	Tetradecane	198	C14H30	000629-59-4	72
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	72
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
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Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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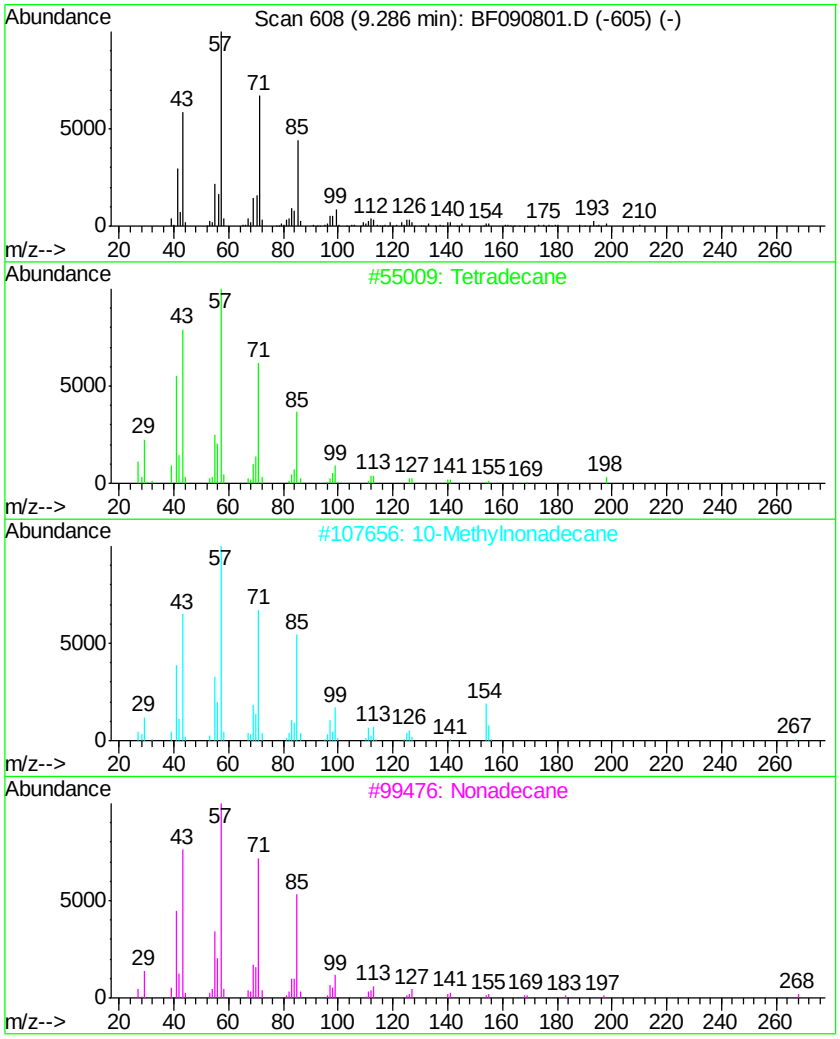
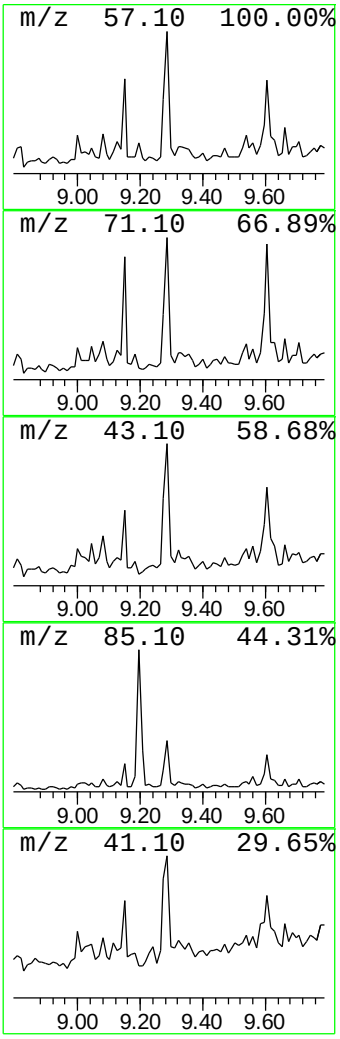
Peak Number 5 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	7.83 ng	570791	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	10-Methylnonadecane	282	C20H42	056862-62-5	80
3	Nonadecane	268	C19H40	000629-92-5	78
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	72
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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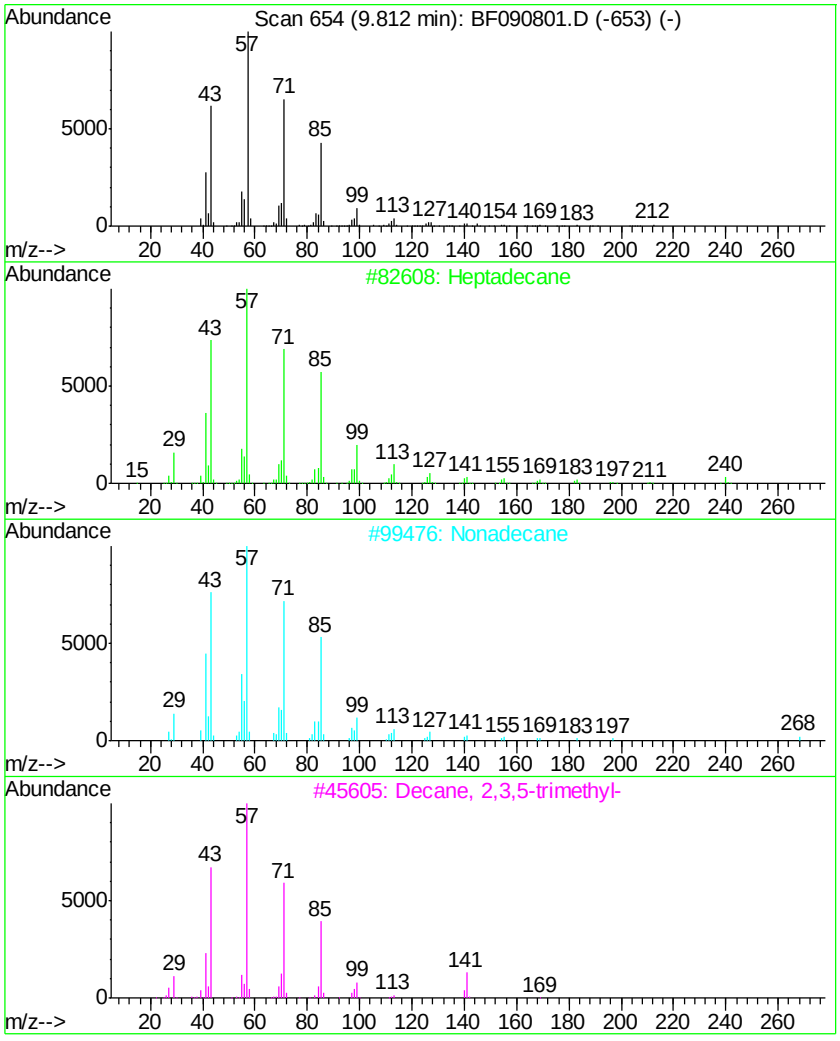
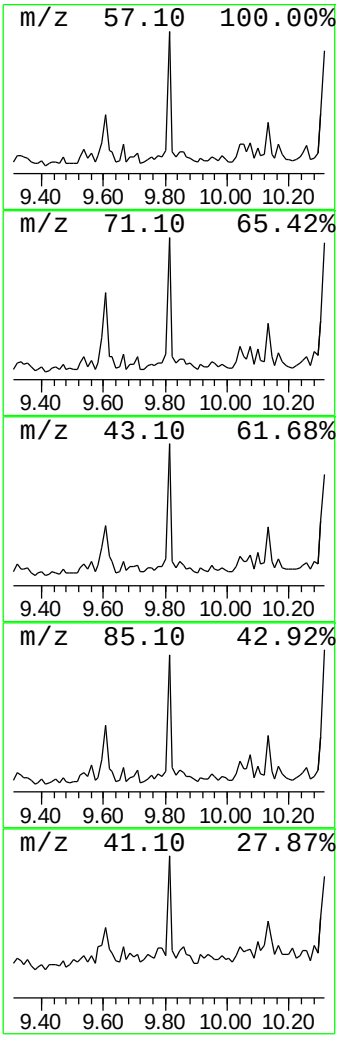
Peak Number 6 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	5.74 ng	418330	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Nonadecane	268	C19H40	000629-92-5	86
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4	Hexadecane	226	C16H34	000544-76-3	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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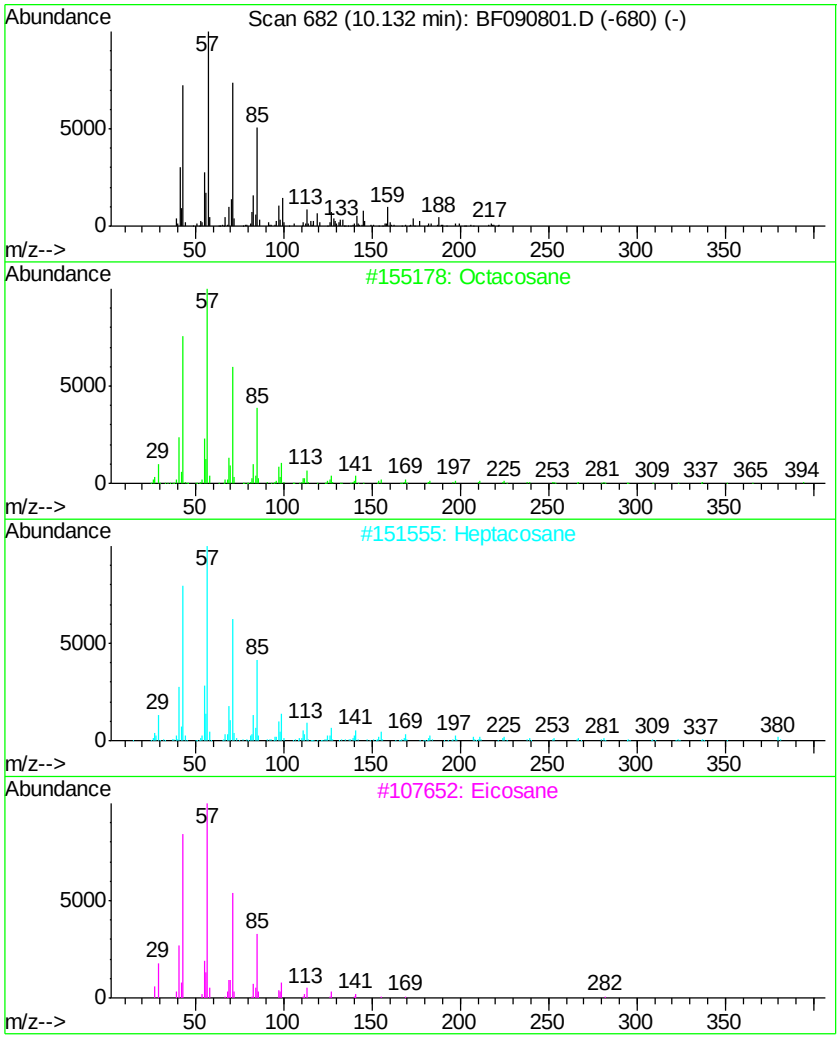
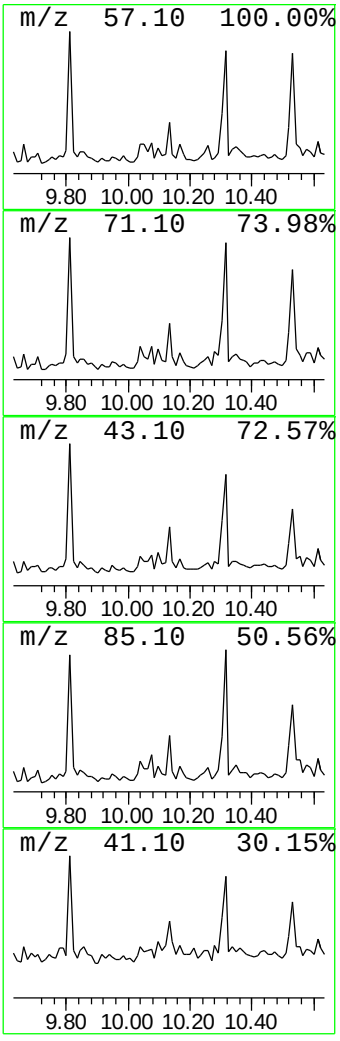
Peak Number 7 Octacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	3.96 ng	288426	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	83
2	Heptacosane	380	C27H56	000593-49-7	83
3	Eicosane	282	C20H42	000112-95-8	80
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090801.D
Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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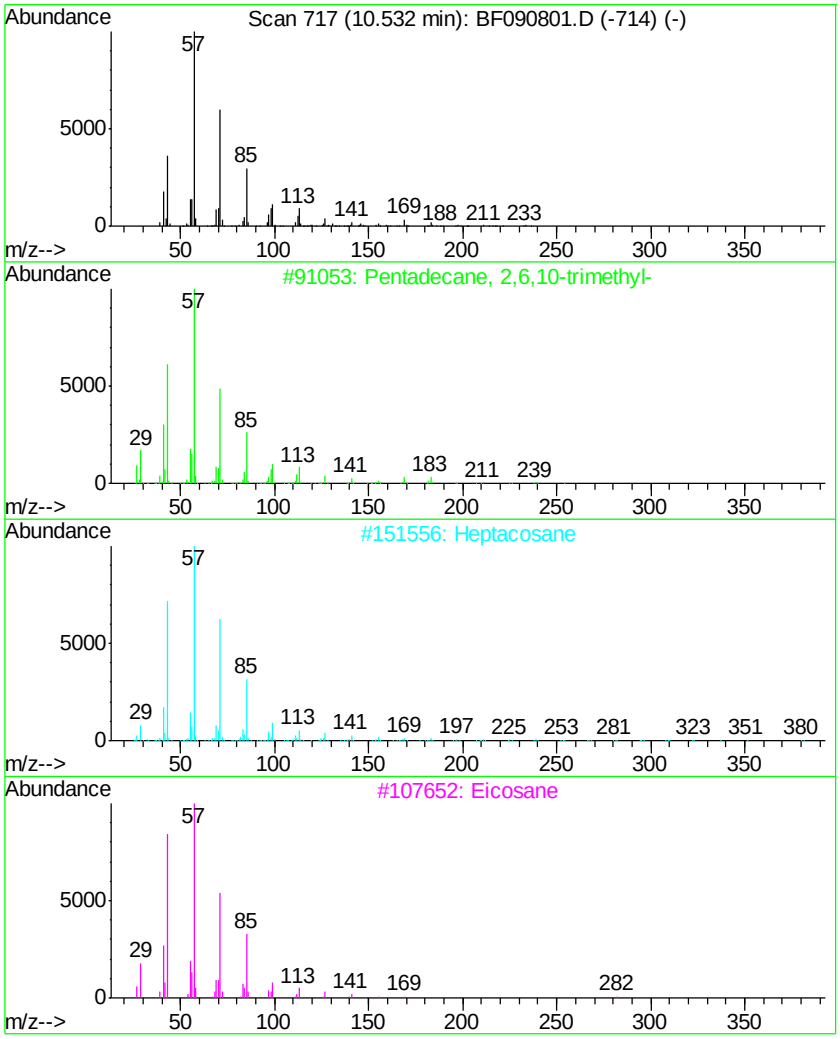
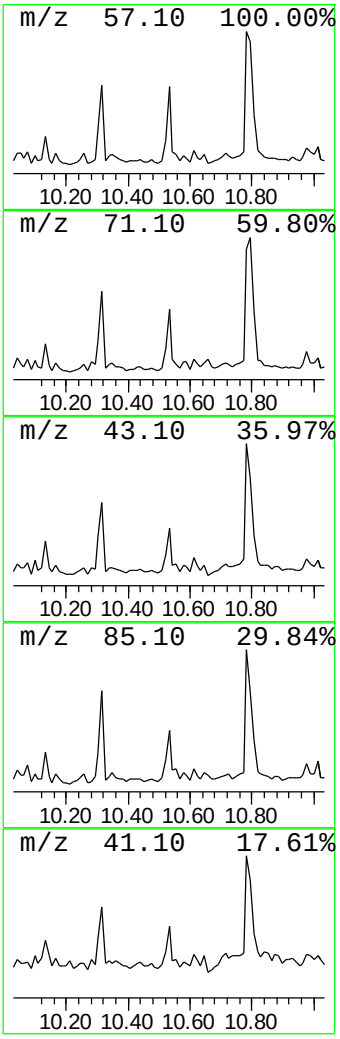
Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	7.35 ng	535138	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Heptacosane	380	C27H56	000593-49-7	80
3	Eicosane	282	C20H42	000112-95-8	80
4	Hexadecane	226	C16H34	000544-76-3	72
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	72





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Acq On : 24 Oct 2016 21:30
Operator : UM/SJ
Sample : H5393-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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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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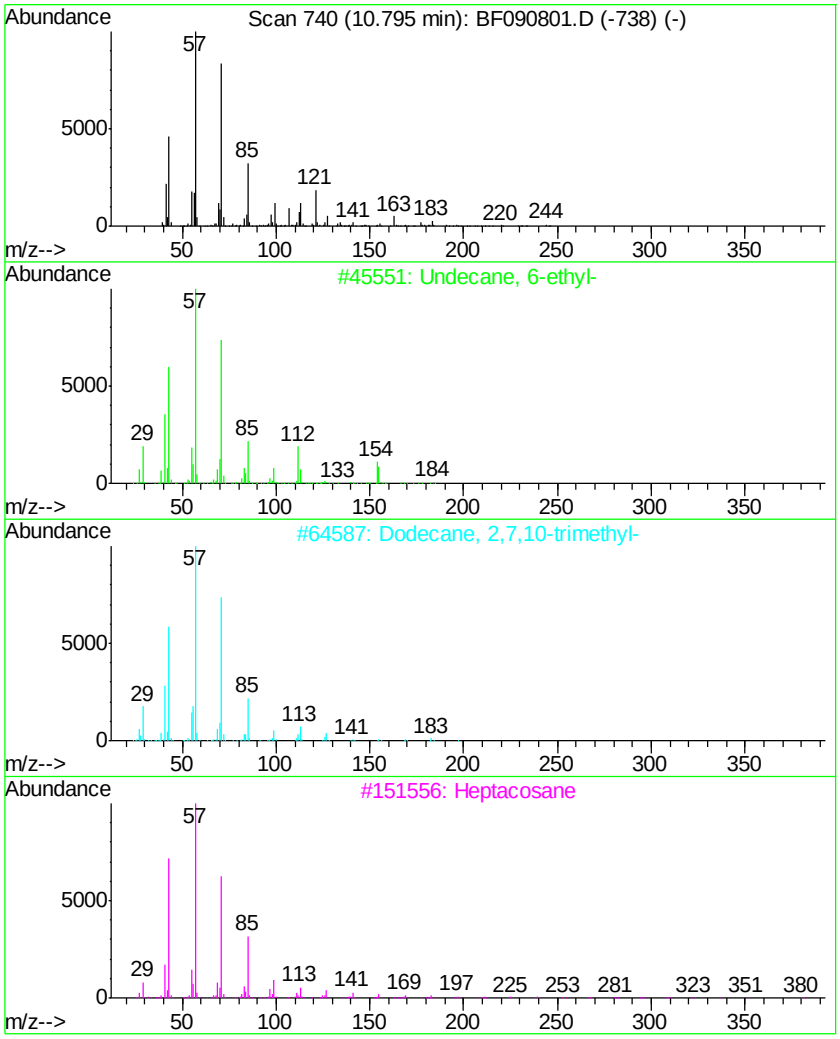
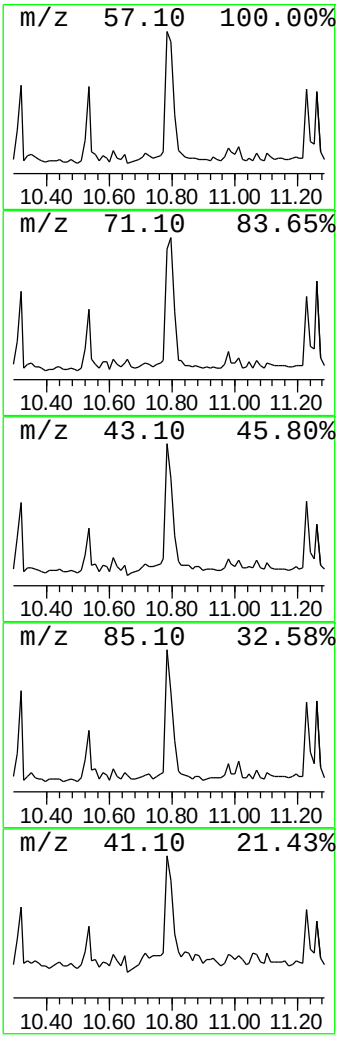
Peak Number 10 Undecane, 6-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	24.34 ng	1382640	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Heptacosane	380	C27H56	000593-49-7	72
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	58





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ClientSampleId : BOTTOM-WEST-DIESEL

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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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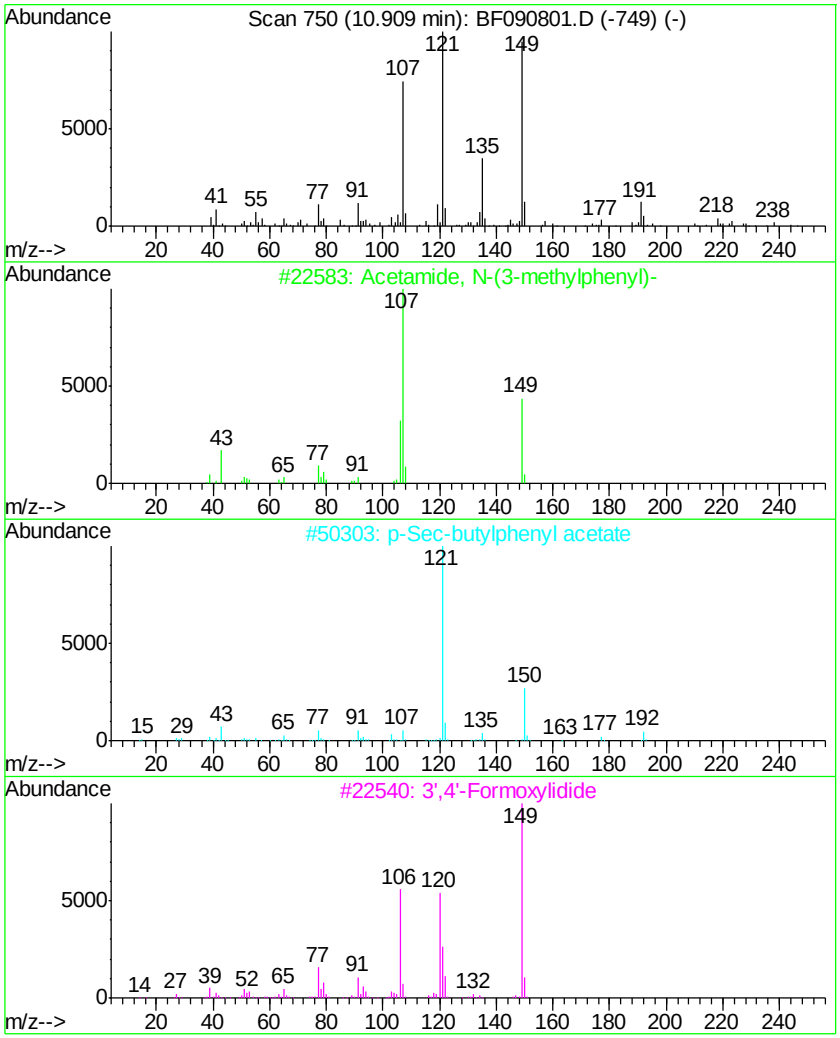
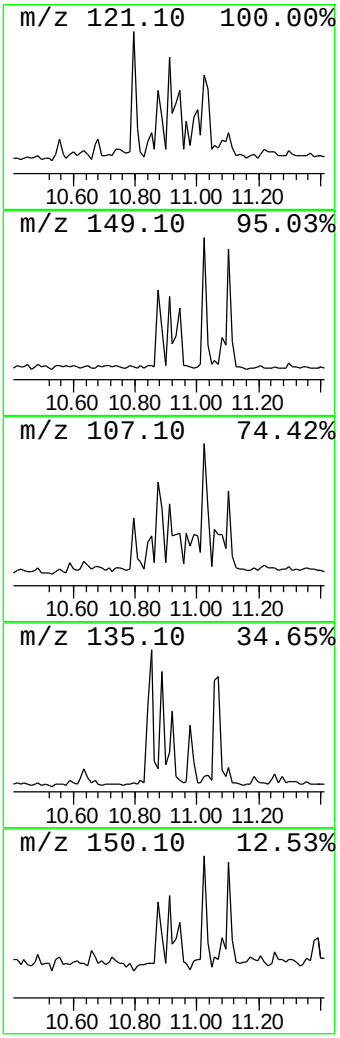
Peak Number 11 unknown10.91 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	4.99 ng	283709	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
2	p-Sec-butylphenyl acetate	192	C12H16O2	003245-24-7	25
3	3',4'-Formoxylidide	149	C9H11NO	006639-60-7	25
4	Benzonitrile, 4-fluoro-	121	C7H4FN	001194-02-1	18
5	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	18





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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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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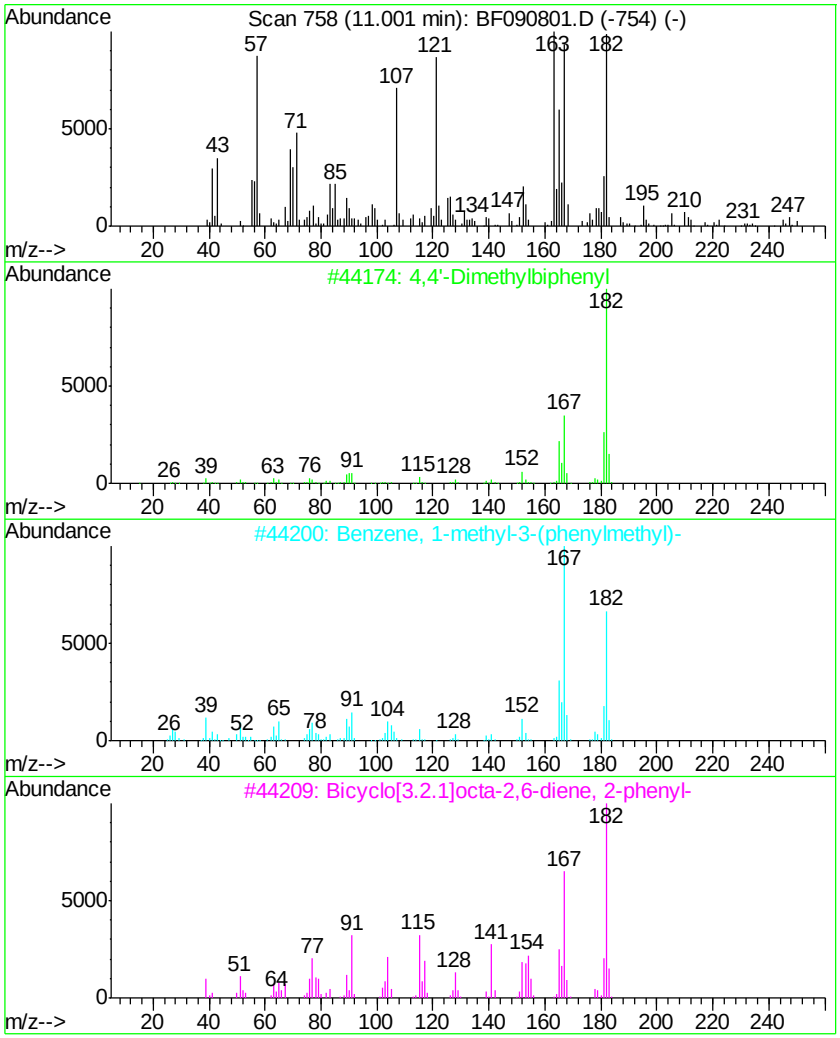
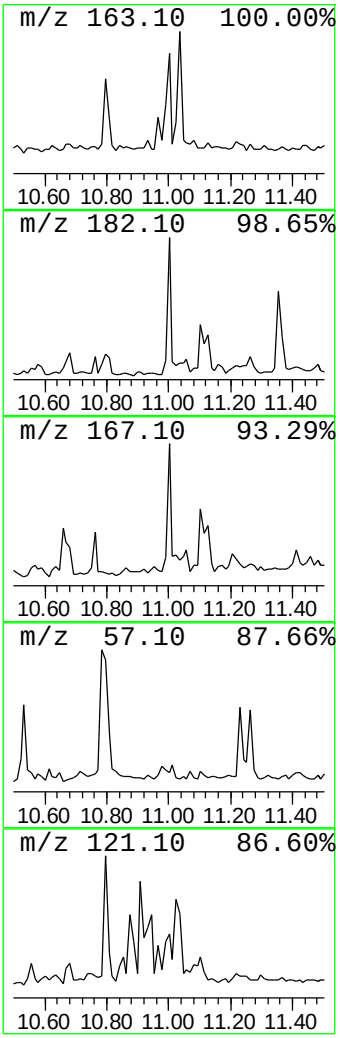
Peak Number 12 4,4'-Dimethylbiphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	6.72 ng	381491	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70
2	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	46
3	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	43
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	42
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	41





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ClientSampleId : BOTTOM-WEST-DIESEL

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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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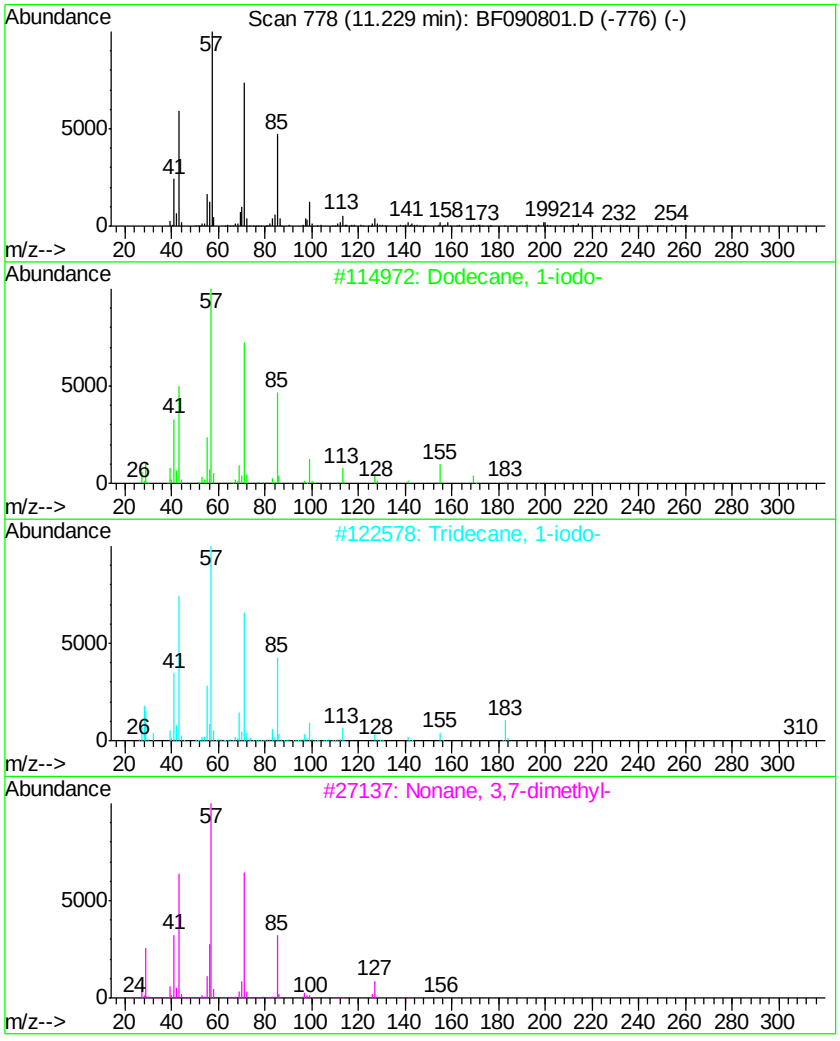
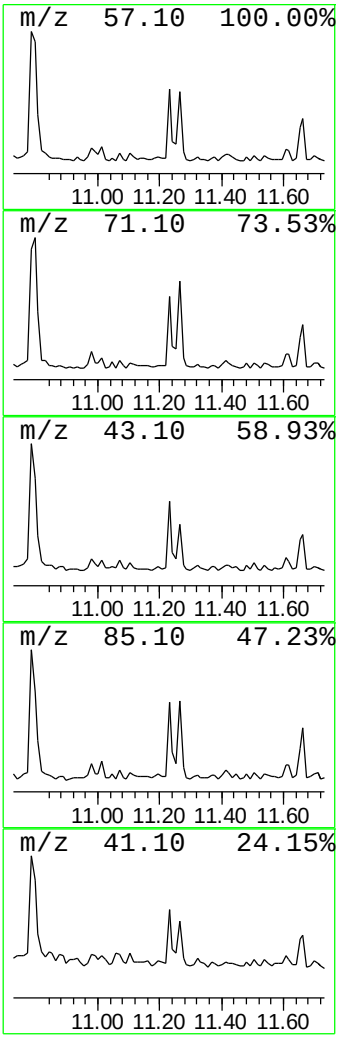
Peak Number 13 Dodecane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	7.96 ng	452009	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	80
4	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	72
5	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	59





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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : BOTTOM-WEST-DIESEL

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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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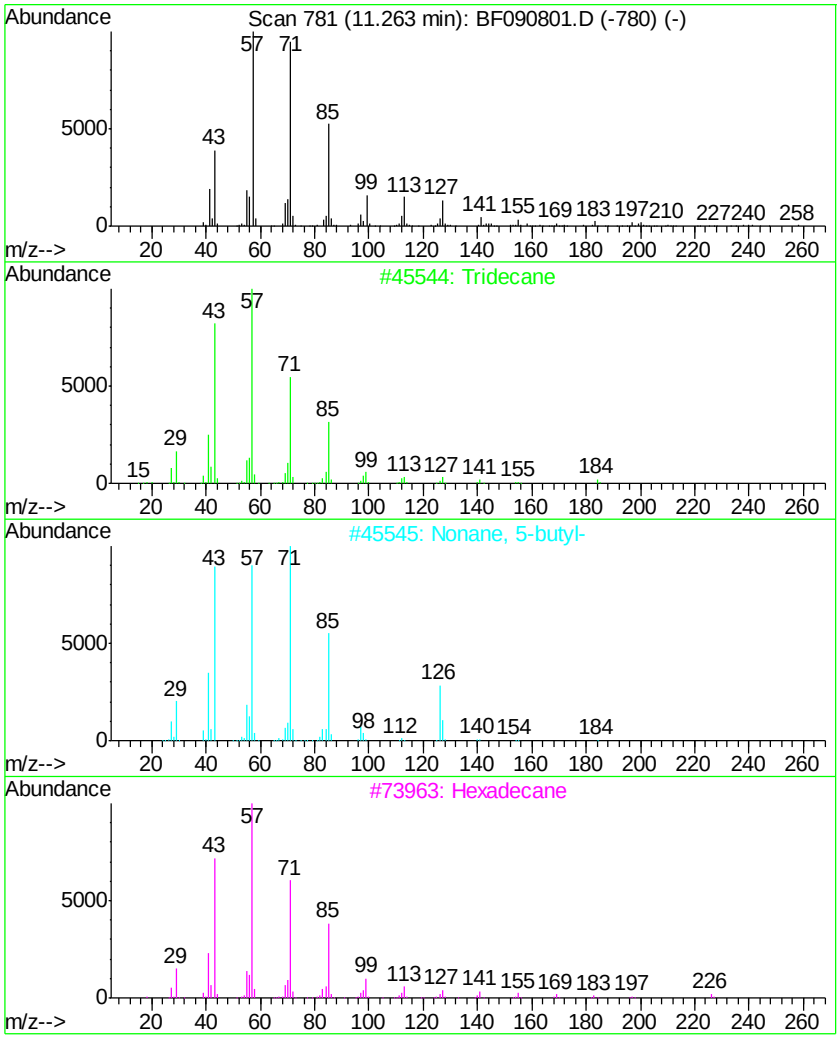
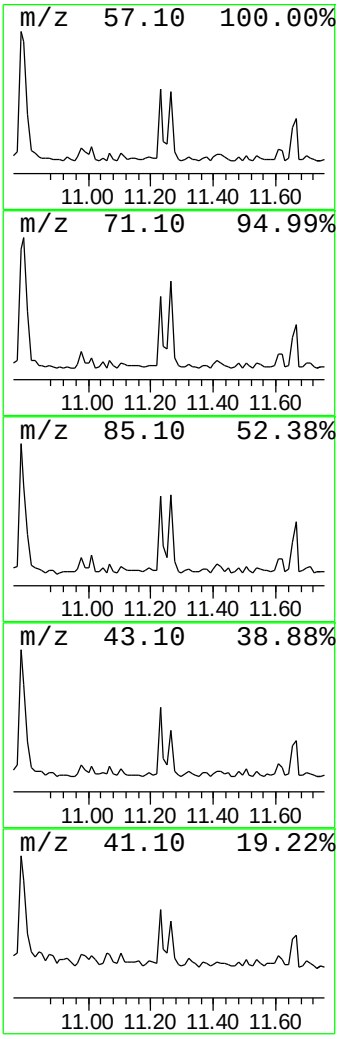
Peak Number 14 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	7.19 ng	408431	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	81
3	Hexadecane	226	C16H34	000544-76-3	72
4	Heptacosane	380	C27H56	000593-49-7	72
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70





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ClientSampleId : BOTTOM-WEST-DIESEL

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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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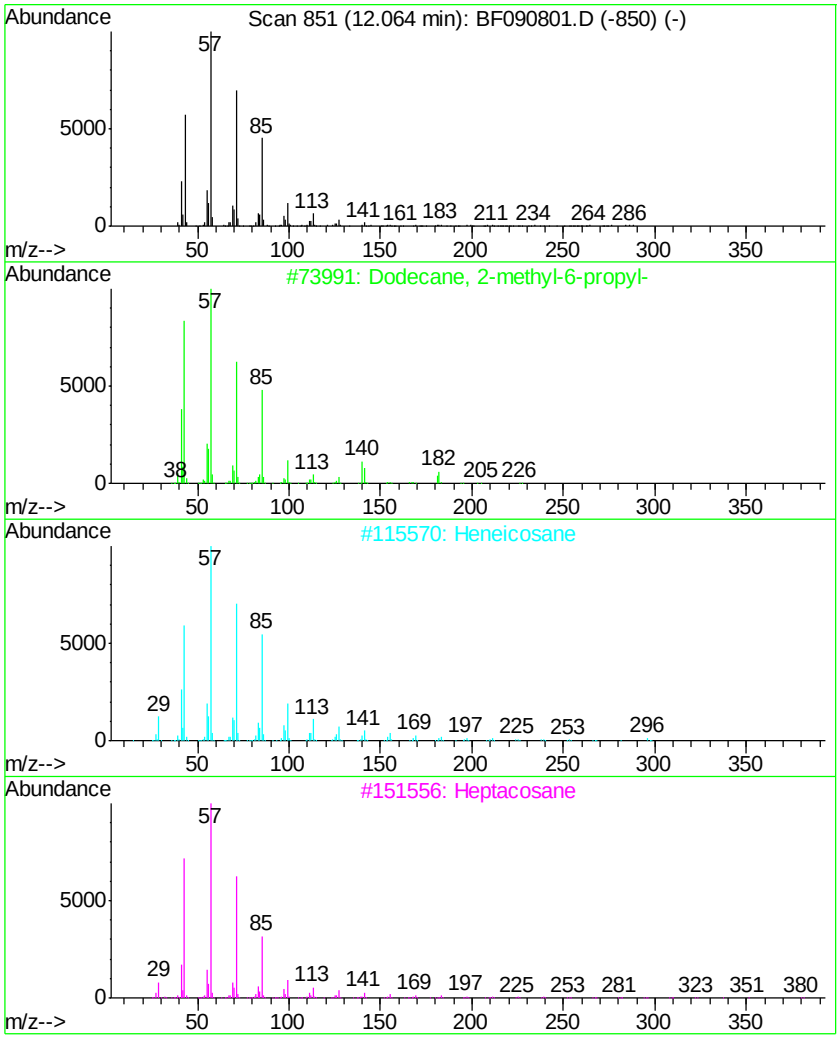
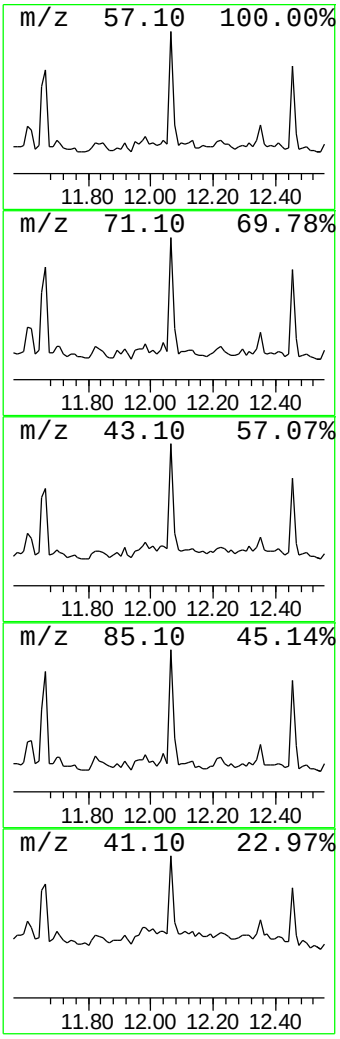
Peak Number 16 Dodecane, 2-methyl-6-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	5.42 ng	308073	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heptadecane	240	C17H36	000629-78-7	90





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Misc :
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Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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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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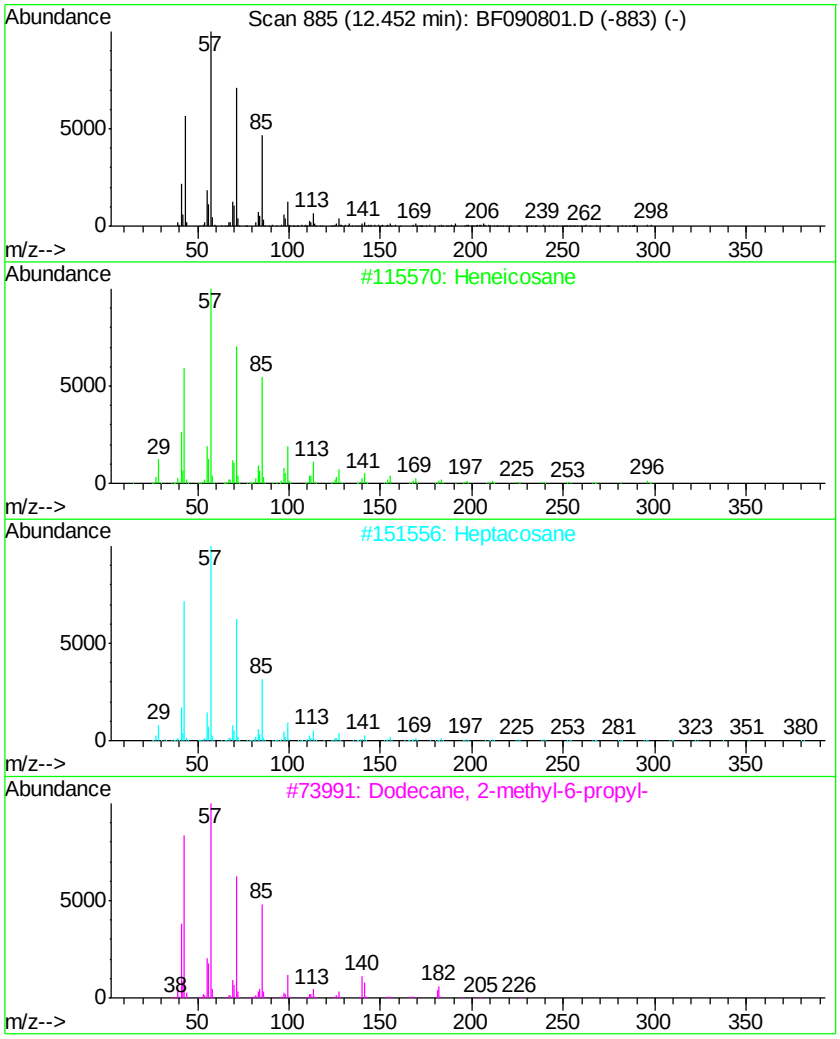
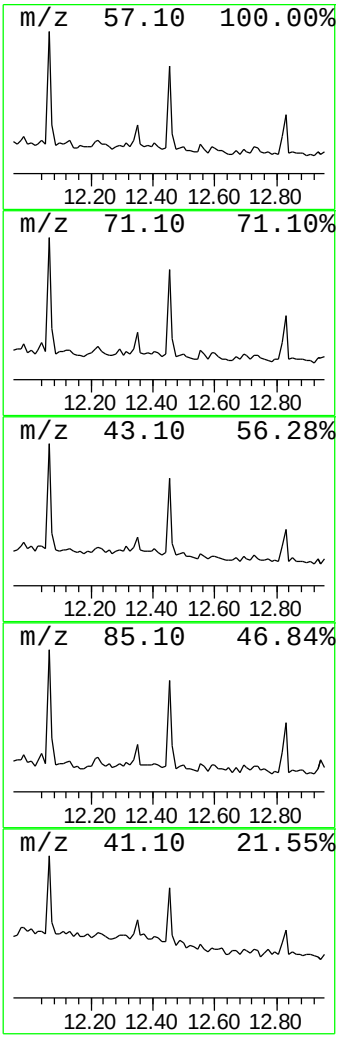
Peak Number 17 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.74 ng	269072	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptacosane	380	C27H56	000593-49-7	91
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86





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ClientSampleId :
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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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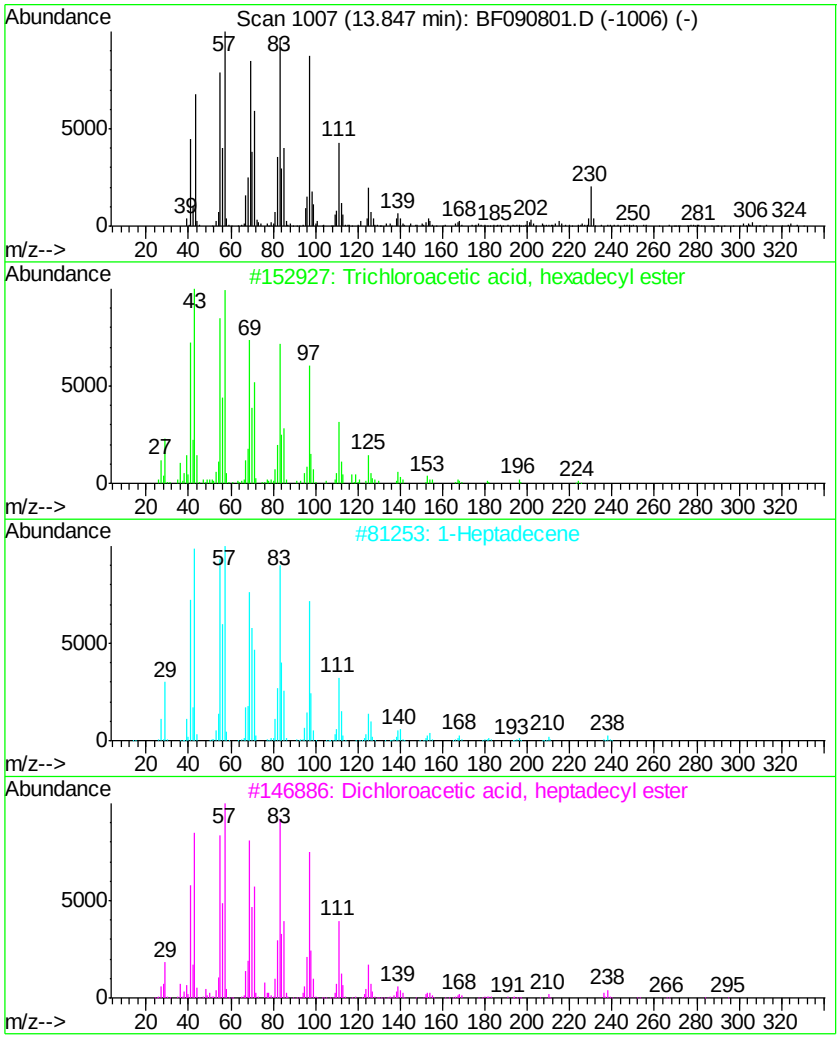
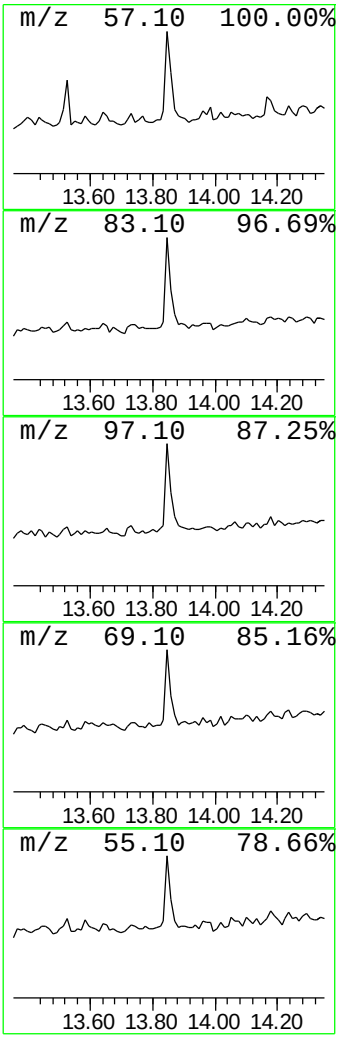
Peak Number 18 Trichloroacetic acid, hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	6.45 ng	341654	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	1-Heptadecene	238	C17H34	006765-39-5	89
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	87
4	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	87
5	1-Octadecanol	270	C18H38O	000112-92-5	83





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

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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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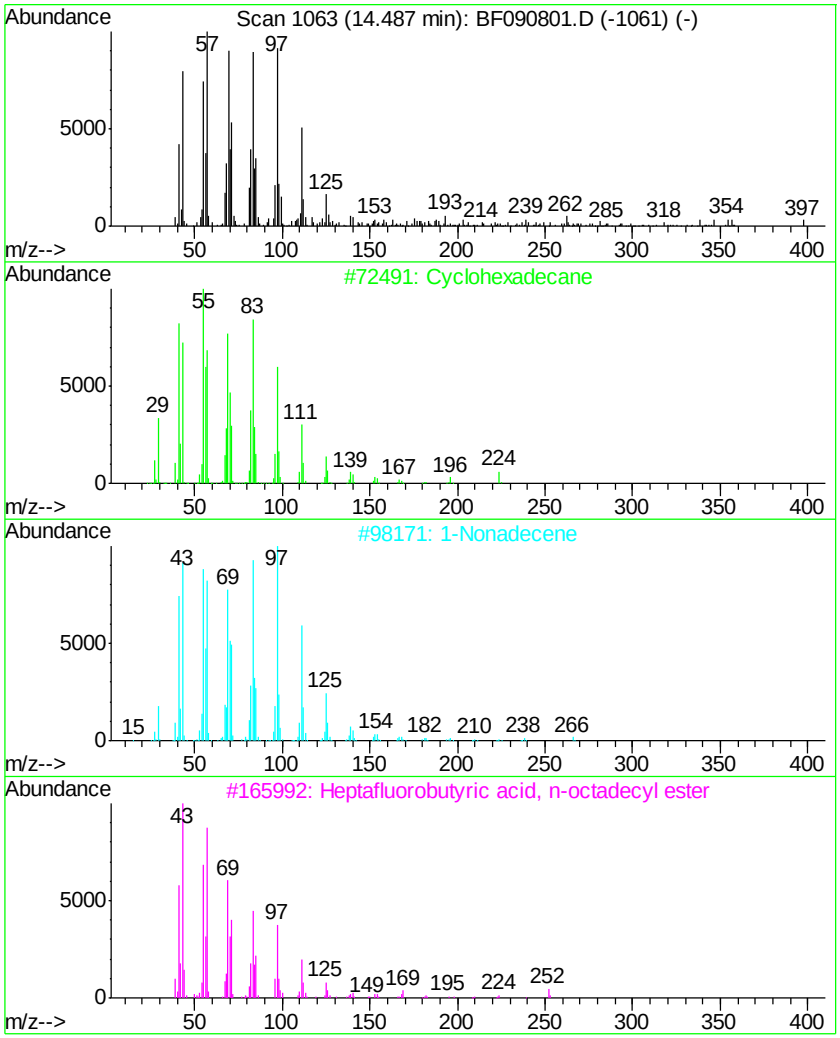
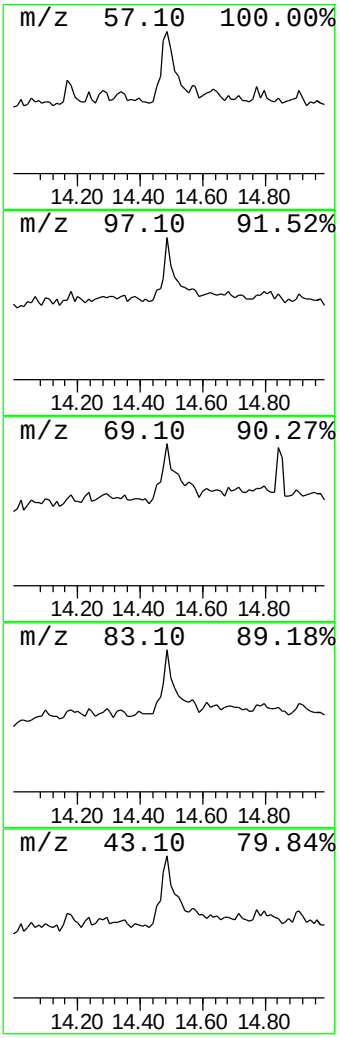
Peak Number 19 Cyclohexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	4.25 ng	225206	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	1-Nonadecene	266	C19H38	018435-45-5	92
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	90
5	1-Heptadecanol	256	C17H36O	001454-85-9	87





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Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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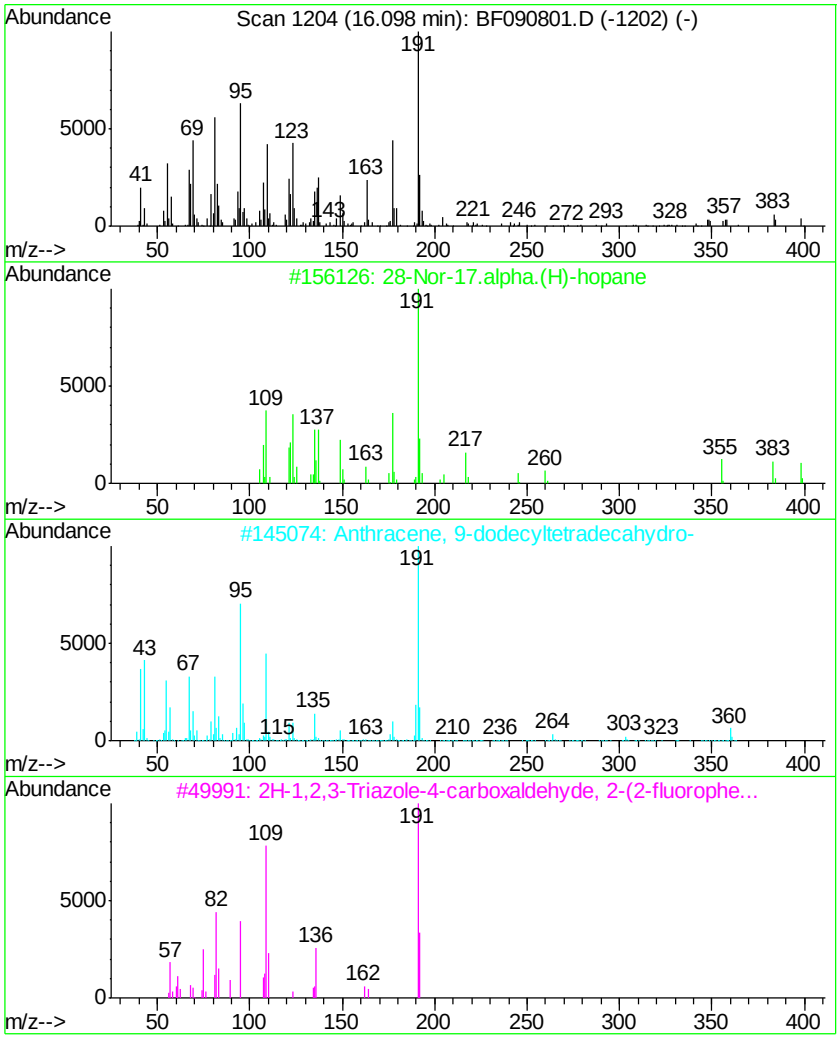
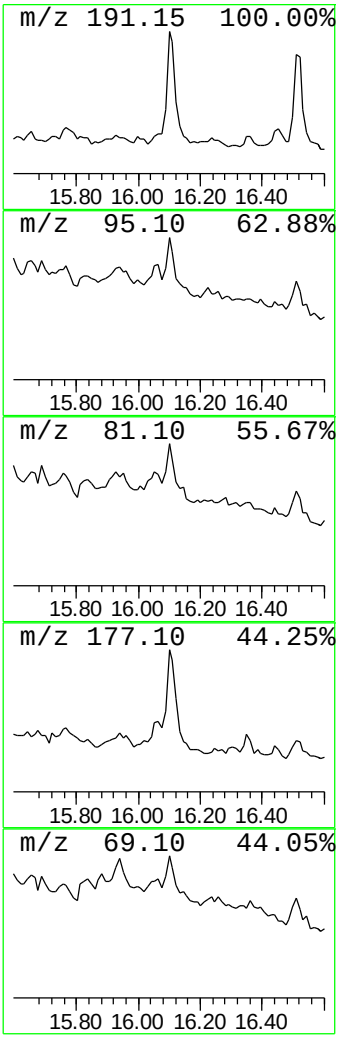
Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	6.39 ng	372889	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
3	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	38
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	22
5	Pentanoic acid, 4-methyl-2-(2,5-...	278	C13H18N4O3	1000294-63-5	16





Tentatively Identified Compound (LSC) summary

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Data File : BF090801.D
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Operator : UM/SJ
Sample : H5393-06
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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
2-Pentanone, 4-hy...	5.01	15.5	ng	790454	1	6.83	1022220	20.0
unknown6.60	6.60	75.1	ng	3840190	1	6.83	1022220	20.0
Hexadecane	8.71	3.7	ng	288086	2	8.12	1548340	20.0
Tetradecane	9.29	7.8	ng	570791	3	9.87	1457130	20.0
Heptadecane	9.81	5.7	ng	418330	3	9.87	1457130	20.0
Octacosane	10.13	4.0	ng	288426	3	9.87	1457130	20.0
Pentadecane, 2,6,...	10.53	7.3	ng	535138	3	9.87	1457130	20.0
Undecane, 6-ethyl-	10.79	24.3	ng	1382640	4	11.35	1136000	20.0
unknown10.91	10.91	5.0	ng	283709	4	11.35	1136000	20.0
4,4'-Dimethylbiph...	11.00	6.7	ng	381491	4	11.35	1136000	20.0
Dodecane, 1-iodo-	11.23	8.0	ng	452009	4	11.35	1136000	20.0
Tridecane	11.26	7.2	ng	408431	4	11.35	1136000	20.0
Dodecane, 2-methy...	12.06	5.4	ng	308073	4	11.35	1136000	20.0
Heneicosane	12.45	4.7	ng	269072	4	11.35	1136000	20.0
Trichloroacetic a...	13.85	6.5	ng	341654	5	14.00	1059330	20.0
Cyclohexadecane	14.49	4.3	ng	225206	5	14.00	1059330	20.0
28-Nor-17.alpha.(...	16.10	6.4	ng	372889	6	15.44	1166420	20.0