LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
Data File : BF090972.D
Acq On : 2 Nov 2016 1:00
Operator : UM/SJ
Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

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-BF102616.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	4.887	243	245	254	rBV	1009531	1741084	12.02%	0.587%
2	5.333	282	284	287	rBV	3540476	3667343	25.33%	1.236%
3	5.996	340	342	345	rBV	1265447	1565694	10.81%	0.528%
4	6.384	373	376	379	rVV	3224845	4445221	30.70%	1.498%
5	6.510	384	387	389	rVV	4273763	4432242	30.61%	1.493%
6	6.739	405	407	409	rBV	1241041	1178133	8.14%	0.397%
7	6.899	419	421	423	rBV	3296561	3451814	23.84%	1.163%
8	7.310	454	457	459	rBV	2548173	2794780	19.30%	0.942%
9	7.939	507	512	514	rBV3	527324	852543	5.89%	0.287%
10	8.019	517	519	524	rBV3	3288256	5442356	37.58%	1.834%
11	8.099	524	526	527	rBV	1447777	1037157	7.16%	0.349%
12	8.133	527	529	532	rVB4	376630	948611	6.55%	0.320%
13	8.350	542	548	549	rBV2	1141090	2930170	20.24%	0.987%
14	8.384	549	551	552	rVB	1135201	924286	6.38%	0.311%
15	8.419	552	554	556	rBV	1300317	1198447	8.28%	0.404%
16	8.464	556	558	560	rBV	2496202	3256813	22.49%	1.097%
17	8.636	570	573	575	rBV	5013880	5556683	38.37%	1.872%
18	8.693	575	578	579	rBV3	584476	969894	6.70%	0.327%
19	8.727	579	581	588	rVB2	996930	1787984	12.35%	0.602%
20	8.842	588	591	594	rVB2	882341	1250171	8.63%	0.421%
21	8.910	594	597	598	rBV	1236451	1628821	11.25%	0.549%
22	8.945	598	600	603	rVB3	1180905	2204367	15.22%	0.743%
23	8.990	603	604	606	rVB2	773018	882262	6.09%	0.297%
24	9.036	606	608	609	rBV	1080365	951480	6.57%	0.321%
25	9.059	609	610	612	rVB	1794630	1309935	9.05%	0.441%
26	9.105	612	614	616	rVB	4310076	4057646	28.02%	1.367%
27	9.196	619	622	624	rBV	4298161	4688215	32.38%	1.580%
28	9.379	633	638	640	rBV4	424519	1353584	9.35%	0.456%
29	9.447	641	644	645	rBV	849180	1224849	8.46%	0.413%
30	9.516	647	650	651	rBV2	2561876	3661511	25.29%	1.234%
31	9.722	667	668	670	rBV	3005296	3842756	26.54%	1.295%
32	9.779	670	673	675	rBV2	1819422	2500128	17.27%	0.842%
33	9.813	675	676	678	rVB	2975694	2443333	16.87%	0.823%
34	9.962	685	689	690	rBV2	1498370	2954386	20.40%	0.995%

LSC Area Percent Report

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Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.985	690	691	692	rVB	2702548	1852597	12.79%	0.624%
36	10.053	695	697	698	rVB	2280757	2497884	17.25%	0.842%
37	10.088	698	700	703	rBV2	799783	1144824	7.91%	0.386%
38	10.168	704	707	709	rBV2	617831	1222316	8.44%	0.412%
39	10.236	709	713	714	rBV	4763118	6458281	44.60%	2.176%
40	10.282	714	717	719	rBV3	1040092	1717498	11.86%	0.579%
41	10.328	719	721	724	rBV2	2750796	3984393	27.52%	1.342%
42	10.385	724	726	728	rVB2	632397	923372	6.38%	0.311%
43	10.453	728	732	733	rBV	3804519	6231855	43.04%	2.100%
44	10.533	738	739	740	rBV	1301306	1130136	7.80%	0.381%
45	10.568	740	742	744	rBV3	1650802	2625349	18.13%	0.885%
46	10.728	751	756	759	rBV2	3419014	9171582	63.34%	3.090%
47	10.899	769	771	773	rVB2	1368633	1682839	11.62%	0.567%
48	10.968	775	777	778	rVB2	814136	820081	5.66%	0.276%
49	11.048	781	784	785	rBV3	813998	1438439	9.93%	0.485%
50	11.082	785	787	789	rVB	747706	927731	6.41%	0.313%
51	11.162	792	794	795	rVV	3177783	4562168	31.51%	1.537%
52	11.230	799	800	802	rBV2	622229	834141	5.76%	0.281%
53	11.310	803	807	809	rVV	3969058	9327091	64.41%	3.142%
54	11.356	809	811	813	rVB	3175874	3109808	21.48%	1.048%
55	11.505	821	824	825	rBV3	1787895	2474242	17.09%	0.834%
56	11.573	828	830	832	rBV	2591771	3582915	24.74%	1.207%
57	11.733	842	844	845	rBV	736817	873498	6.03%	0.294%
58	11.779	845	848	849	rVV	1403157	2229717	15.40%	0.751%
59	11.802	849	850	852	rVV	2673314	2283994	15.77%	0.770%
60	11.848	852	854	856	rVV2	888018	1439157	9.94%	0.485%
61	11.893	856	858	862	rVB2	3949652	6055643	41.82%	2.040%
62	11.985	864	866	867	rBV	1377409	1935652	13.37%	0.652%
63	12.065	872	873	874	rVV	1220641	1163333	8.03%	0.392%
64	12.099	874	876	878	rVB	1307382	1475367	10.19%	0.497%
65	12.248	888	889	893	rVB2	723346	1375460	9.50%	0.463%
66	12.328	893	896	897	rBV	926576	1538918	10.63%	0.518%
67	12.373	897	900	902	rVB2	713631	1238467	8.55%	0.417%
68	12.419	902	904	907	rVB	1162680	1644528	11.36%	0.554%
69	12.499	907	911	914	rBV	5894415	14480552	100.00%	4.879%
70	12.636	920	923	925	rBV	1328257	1612541	11.14%	0.543%
71	12.716	928	930	933	rBV2	5440089	12408151	85.69%	4.180%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.762	933	934	938	rVB2	1063092	1311959	9.06%	0.442%
73	12.854	938	942	946	rBV3	2802558	7388044	51.02%	2.489%
74	12.934	946	949	953	rBV3	1549825	3746057	25.87%	1.262%
75	13.048	955	959	960	rBV	3165902	4462264	30.82%	1.503%
76	13.116	963	965	966	rVV	2229800	3249662	22.44%	1.095%
77	13.151	966	968	971	rVV2	2121001	3383134	23.36%	1.140%
78	13.242	974	976	977	rVB	739583	924654	6.39%	0.312%
79	13.551	1002	1003	1005	rVB	1186215	1190481	8.22%	0.401%
80	13.665	1010	1013	1014	rBV	1715510	2731305	18.86%	0.920%
81	13.768	1020	1022	1024	rVB	1275950	1397661	9.65%	0.471%
82	13.916	1031	1035	1037	rBV2	3677023	10320413	71.27%	3.477%
83	13.962	1037	1039	1042	rVB	3629888	5382457	37.17%	1.813%
84	14.031	1043	1045	1046	rVV	1708973	1645238	11.36%	0.554%
85	14.065	1046	1048	1051	rVV2	728978	1387030	9.58%	0.467%
86	14.145	1053	1055	1057	rVB2	750314	1023916	7.07%	0.345%
87	14.305	1067	1069	1070	rBV	1391543	1399494	9.66%	0.472%
88	14.339	1070	1072	1074	rVB2	862710	902858	6.23%	0.304%
89	14.431	1078	1080	1083	rVB3	1147862	2020909	13.96%	0.681%
90	14.614	1094	1096	1101	rVB5	767249	1548656	10.69%	0.522%
91	14.957	1121	1126	1129	rBV	3238813	10961104	75.70%	3.693%
92	15.037	1131	1133	1138	rVB	1383132	2164525	14.95%	0.729%
93	15.231	1146	1150	1152	rVV	2437283	4312616	29.78%	1.453%
94	15.288	1152	1155	1157	rVB	3089482	5940057	41.02%	2.001%
95	15.334	1157	1159	1161	rBV	975621	1914266	13.22%	0.645%
96	15.368	1161	1162	1165	rVB2	1697377	1822258	12.58%	0.614%
97	16.705	1274	1279	1281	rVB	2221110	5196734	35.89%	1.751%
98	16.842	1288	1291	1293	rBV	540776	1146983	7.92%	0.386%
99	16.888	1293	1295	1298	rVB2	473362	1011628	6.99%	0.341%
100	17.117	1310	1315	1321	rVB	1616898	4318428	29.82%	1.455%

Sum of corrected areas: 296814010

LSC Report - Integrated Chromatogram

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Data File : BF090972.D
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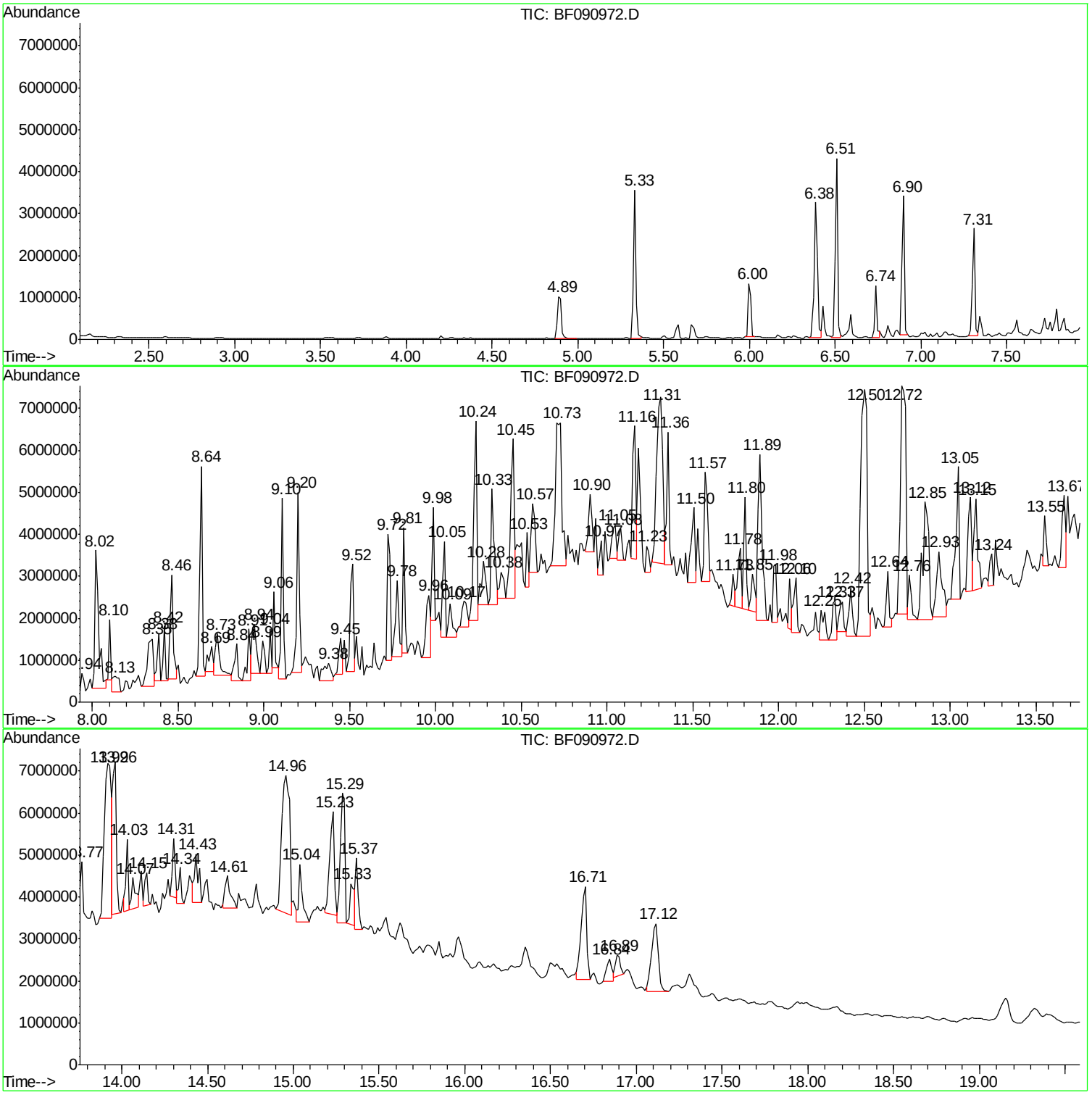
Operator : UM/SJ
Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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

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Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

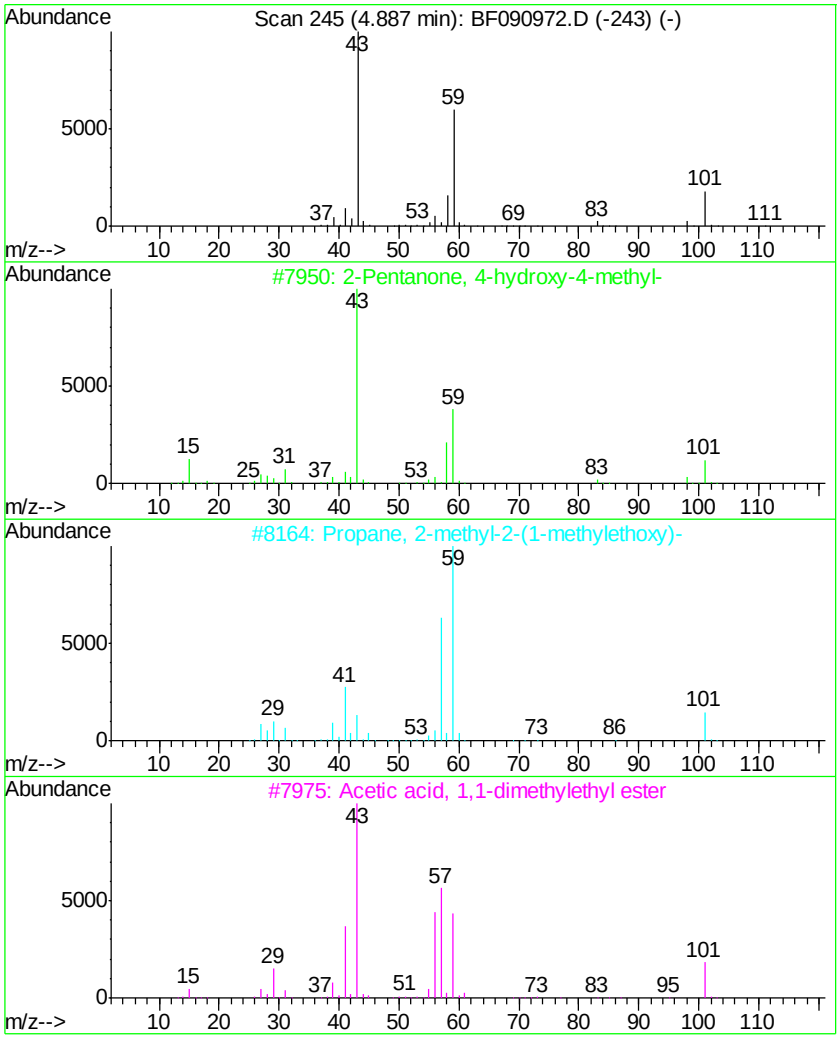
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

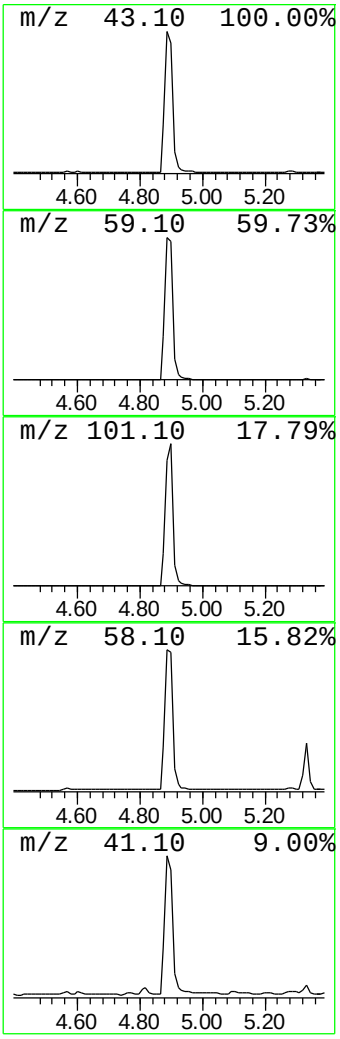
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	29.56 ng	1741080	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

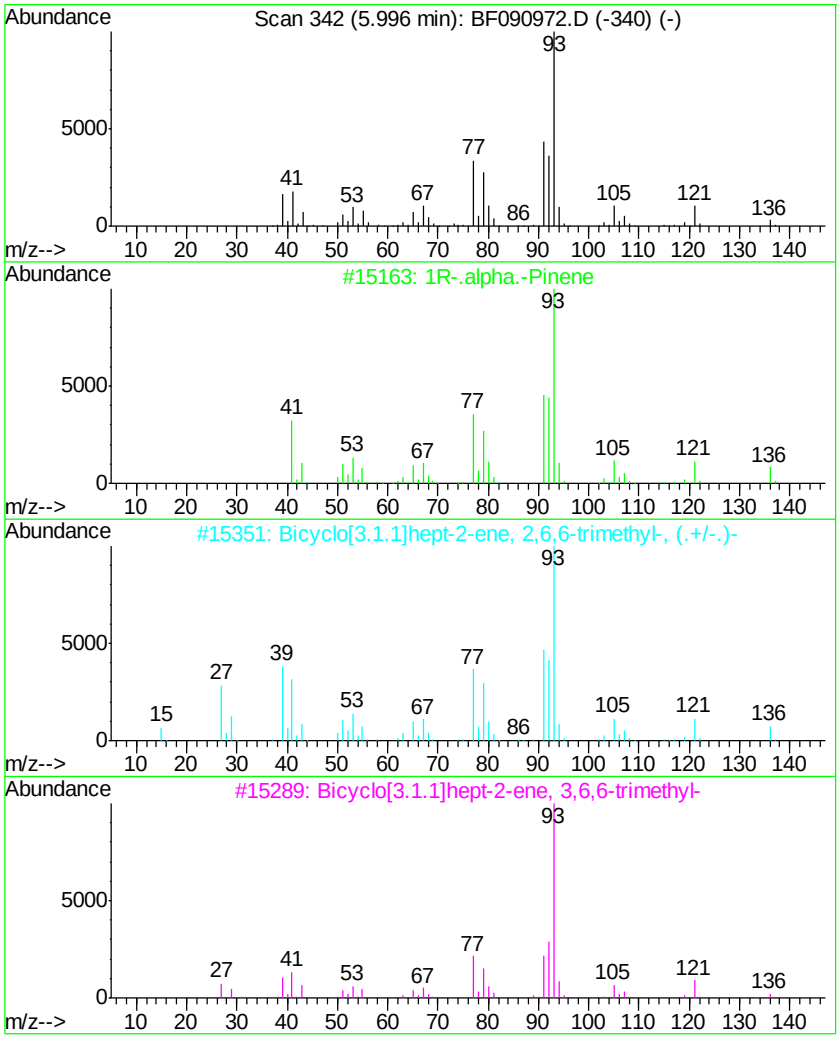
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

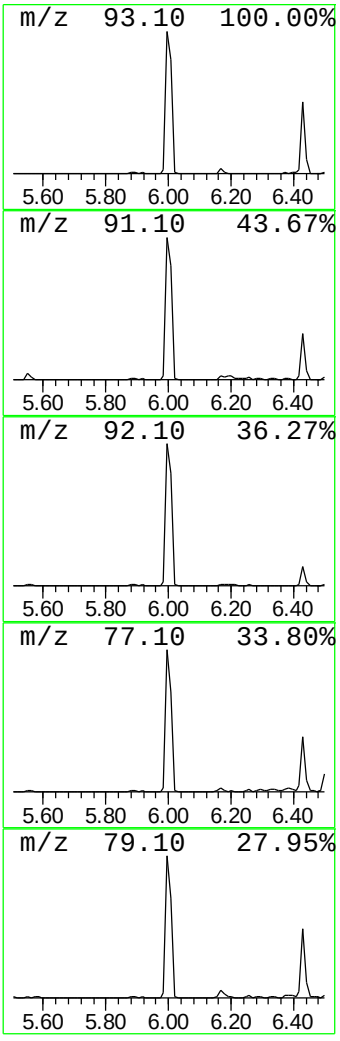
****

Peak Number 2 1R-.alpha.-Pinene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	26.58 ng	1565690	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	95
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	3-Carene	136	C10H16	013466-78-9	90
5	Bicyclo[4.1.0]hept-3-ene, 3,7,7-...	136	C10H16	000498-15-7	87





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TIC Library : C:\DATABASE\NIST02.L
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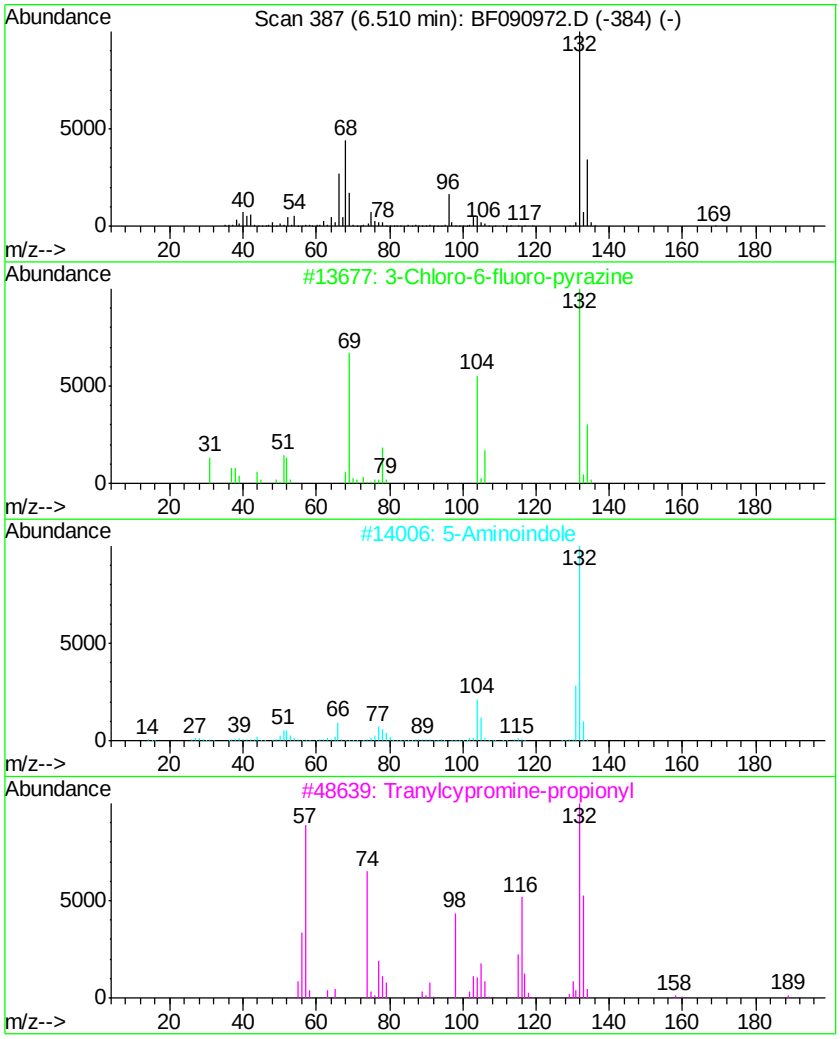
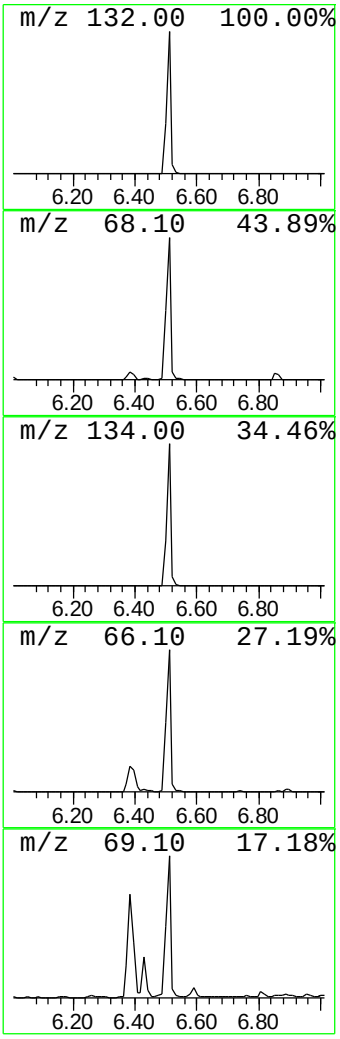
****

Peak Number 3 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	75.24 ng	4432240	1,4-Dichlorobenzene-d4	6.74

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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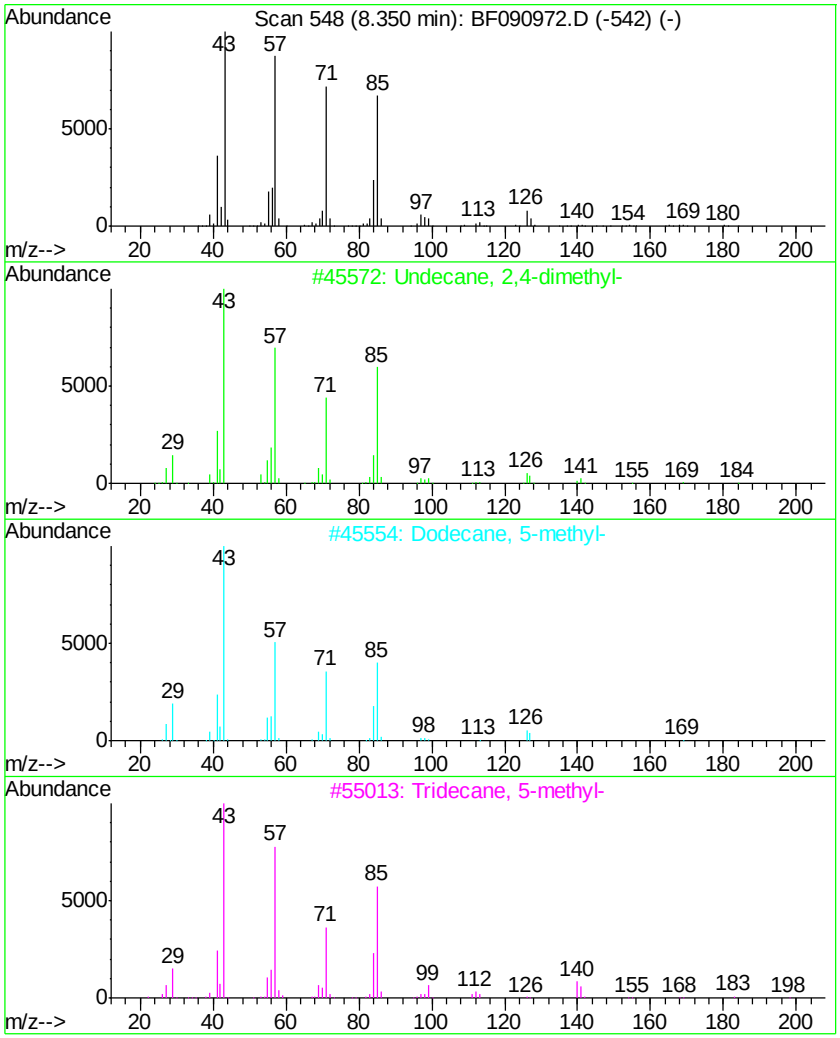
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

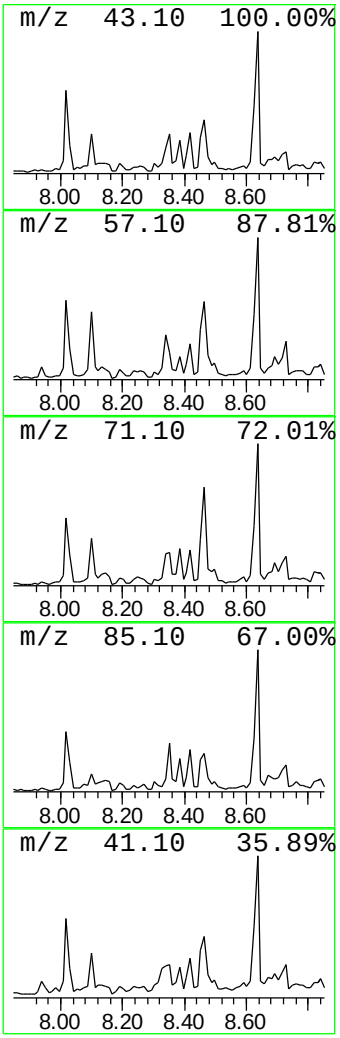
****

Peak Number 5 Undecane, 2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	10.77 ng	2930170	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	90
2	Dodecane, 5-methyl-	184	C13H28	017453-93-9	59
3	Tridecane, 5-methyl-	198	C14H30	025117-31-1	59
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	53
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	53





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Data File : BF090972.D
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Operator : UM/SJ
Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

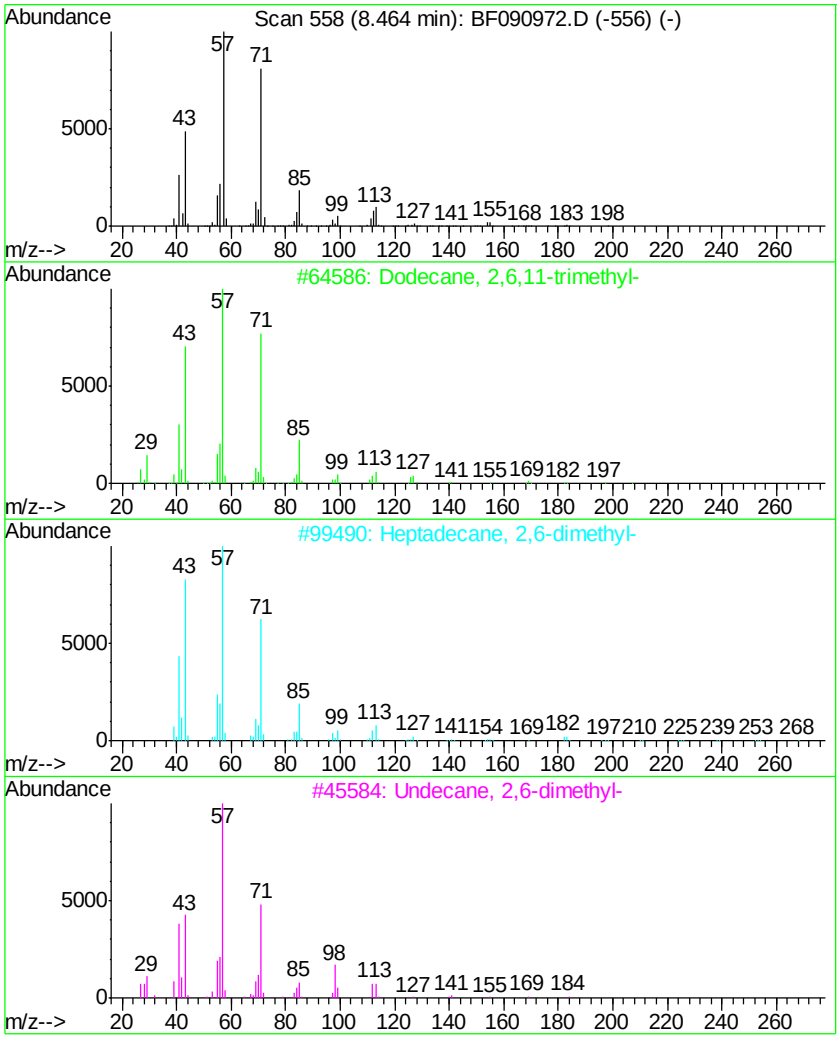
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

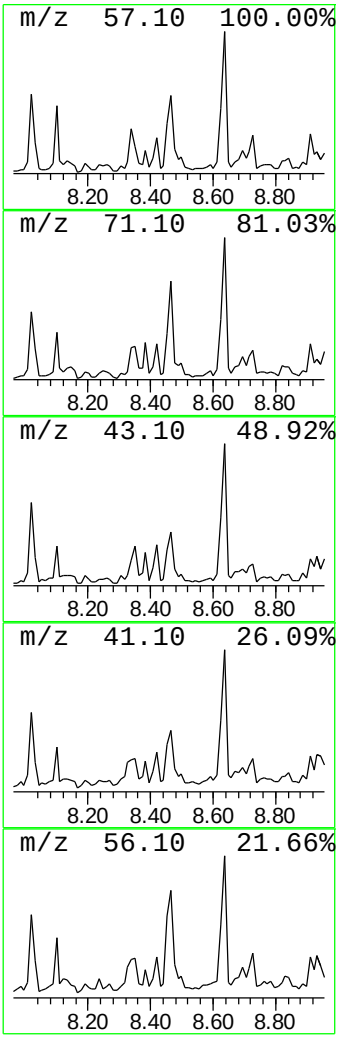
****

Peak Number 6 Dodecane, 2,6,11-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	11.97 ng	3256810	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	83
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	78
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	50





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Acq On : 2 Nov 2016 1:00
Operator : UM/SJ
Sample : H5502-23
Misc :
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Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

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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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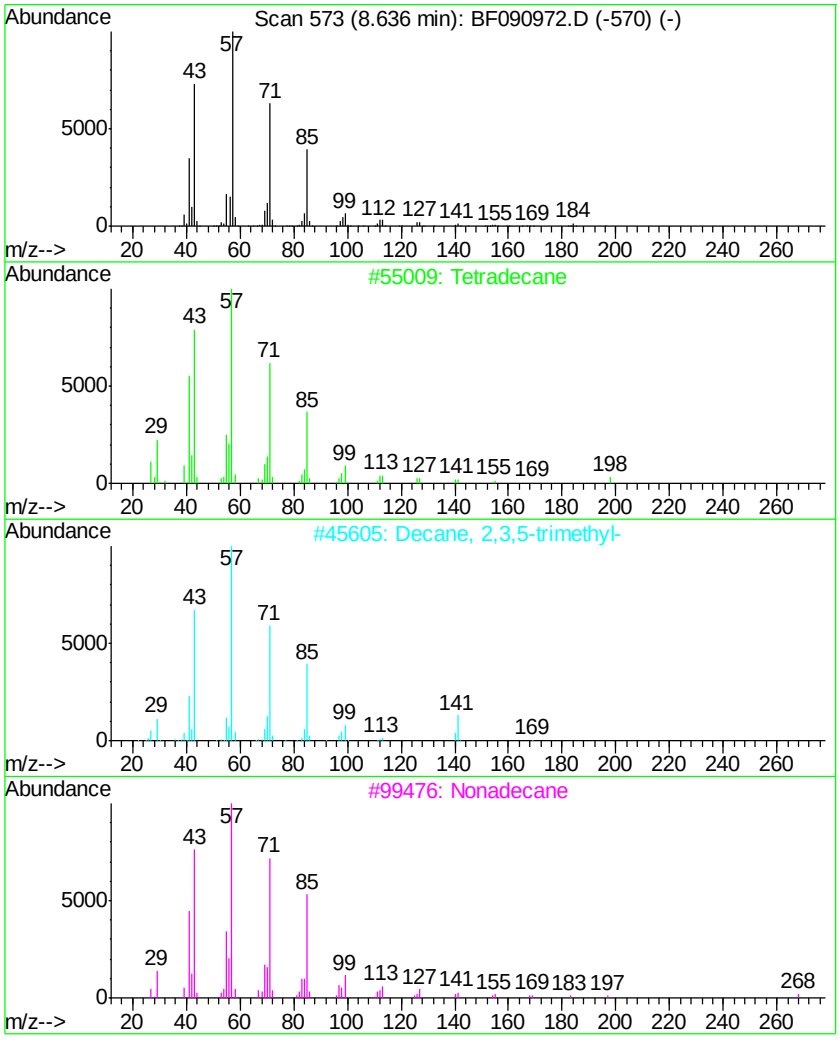
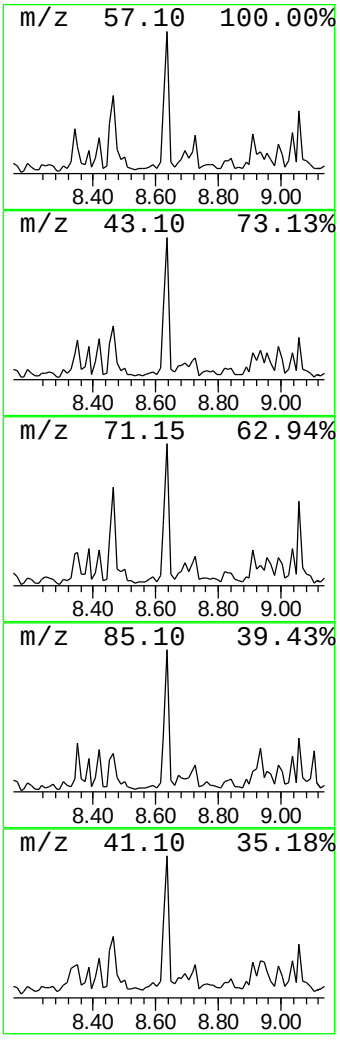
Peak Number 7 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	20.42 ng	5556680	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3	Nonadecane	268	C19H40	000629-92-5	83
4	Hexadecane	226	C16H34	000544-76-3	80
5	Tridecane	184	C13H28	000629-50-5	76





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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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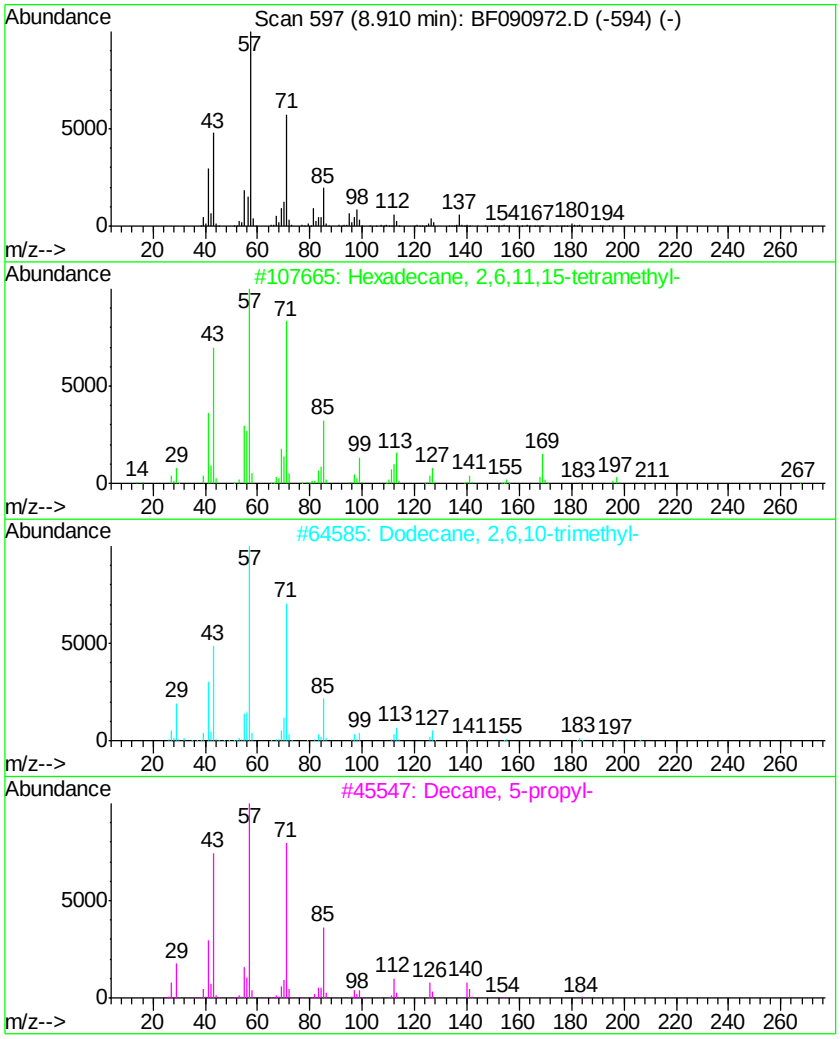
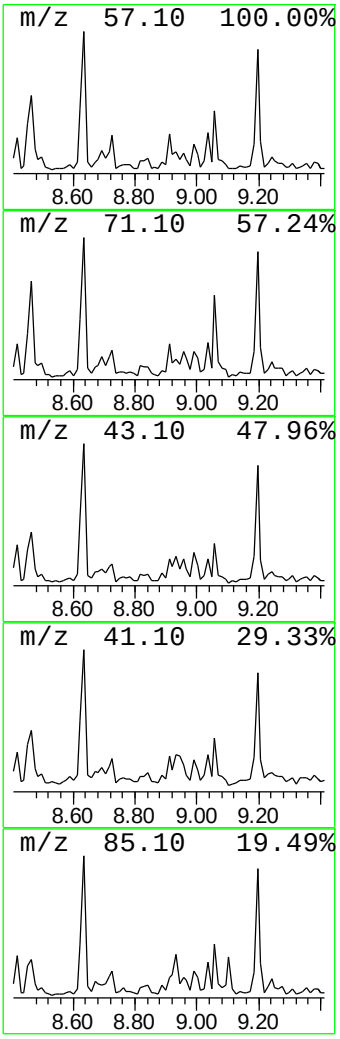
Peak Number 8 Hexadecane, 2,6,11,15-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	13.03 ng	1628820	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	59
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
3	Decane, 5-propyl-	184	C13H28	017312-62-8	53
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	53
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53





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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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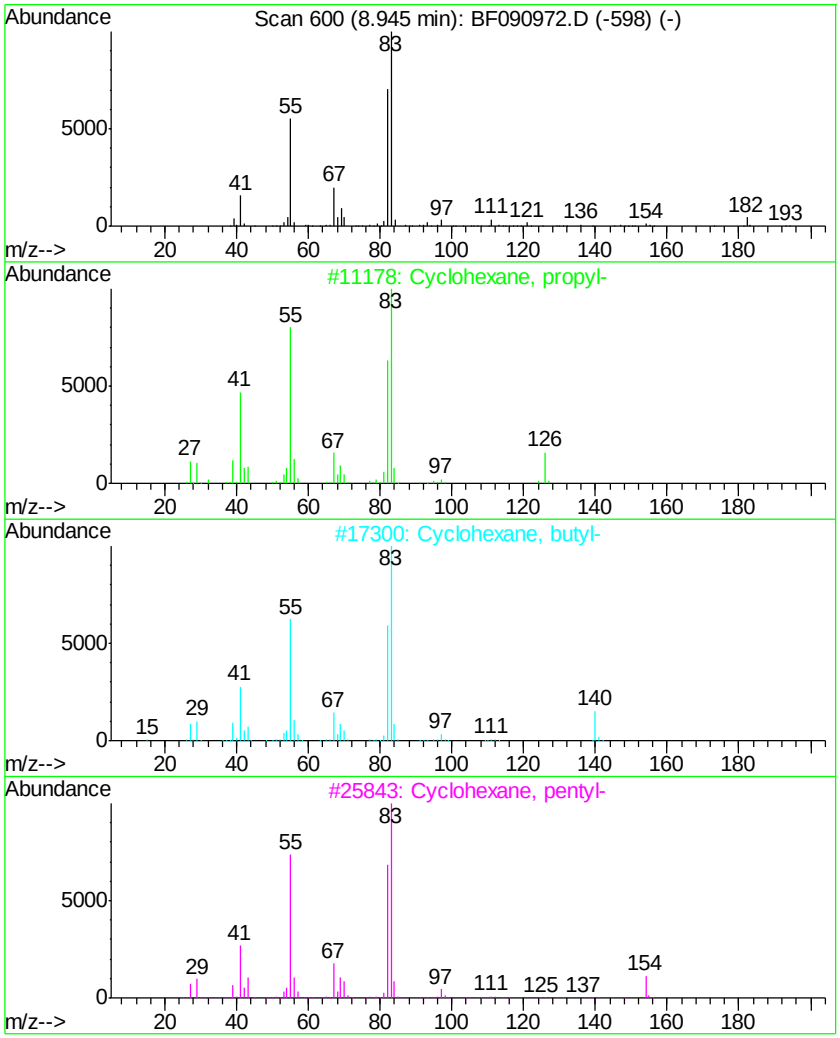
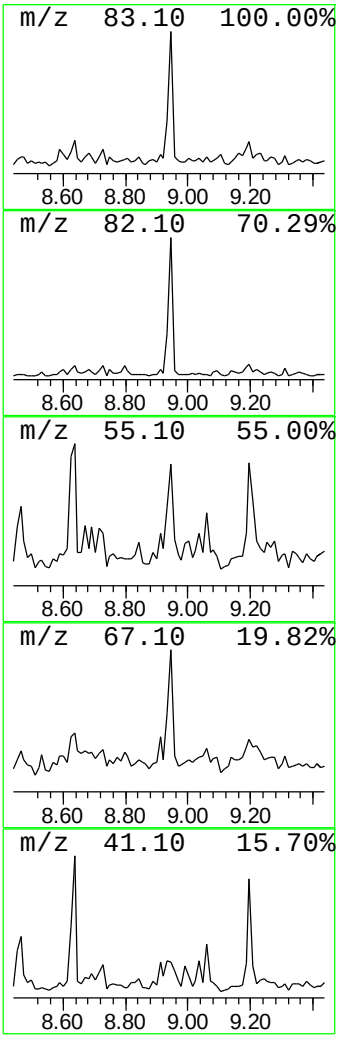
Peak Number 9 Cyclohexane, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	17.63 ng	2204370	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	56





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Sample : H5502-23
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ALS Vial : 26 Sample Multiplier: 1

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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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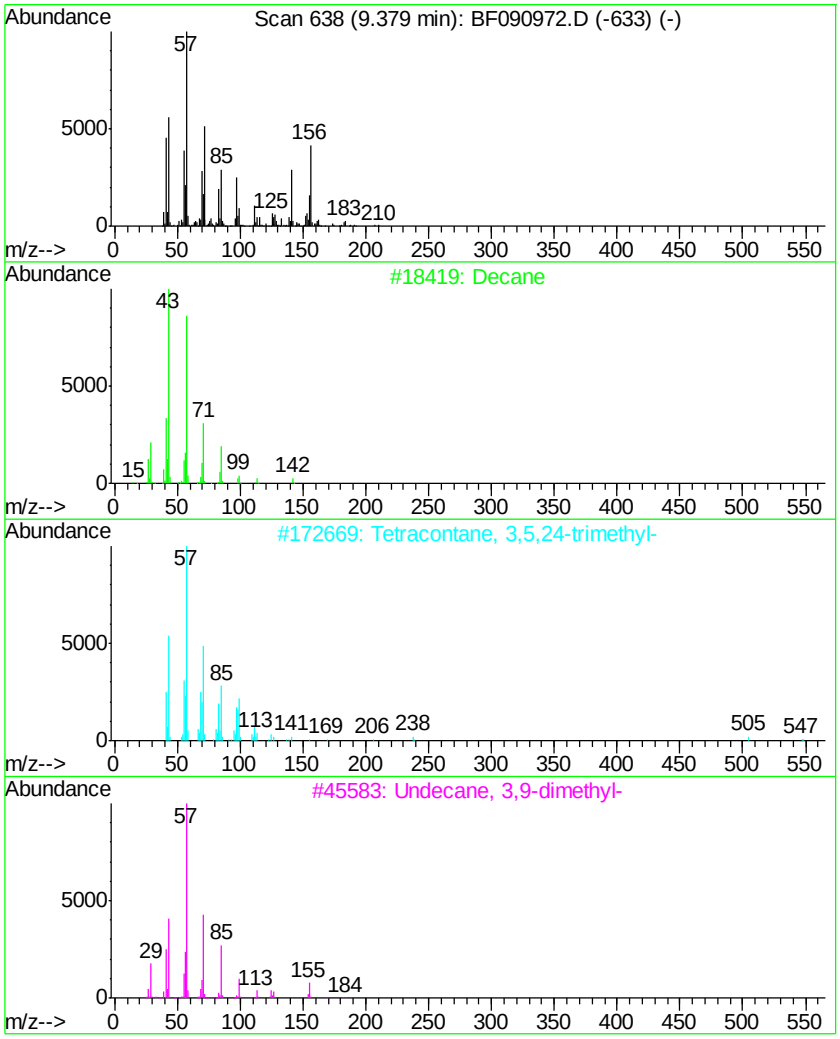
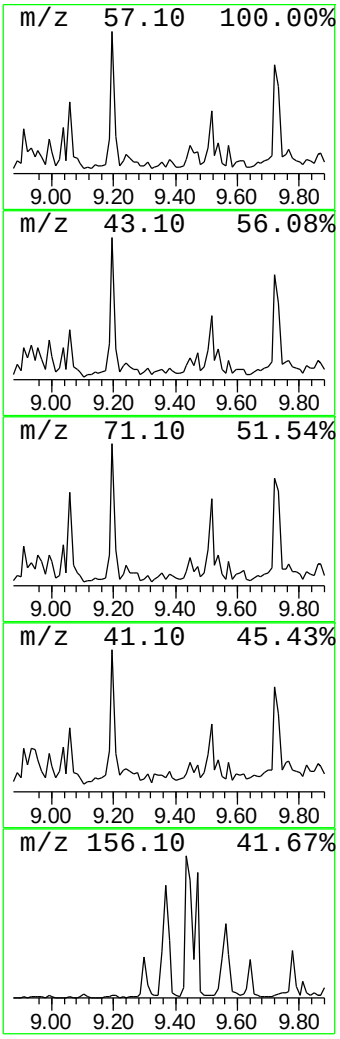
Peak Number 10 Decane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	10.83 ng	1353580	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	50
2	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	46
3	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	46
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	43
5	Octacosane	394	C28H58	000630-02-4	38





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Sample : H5502-23
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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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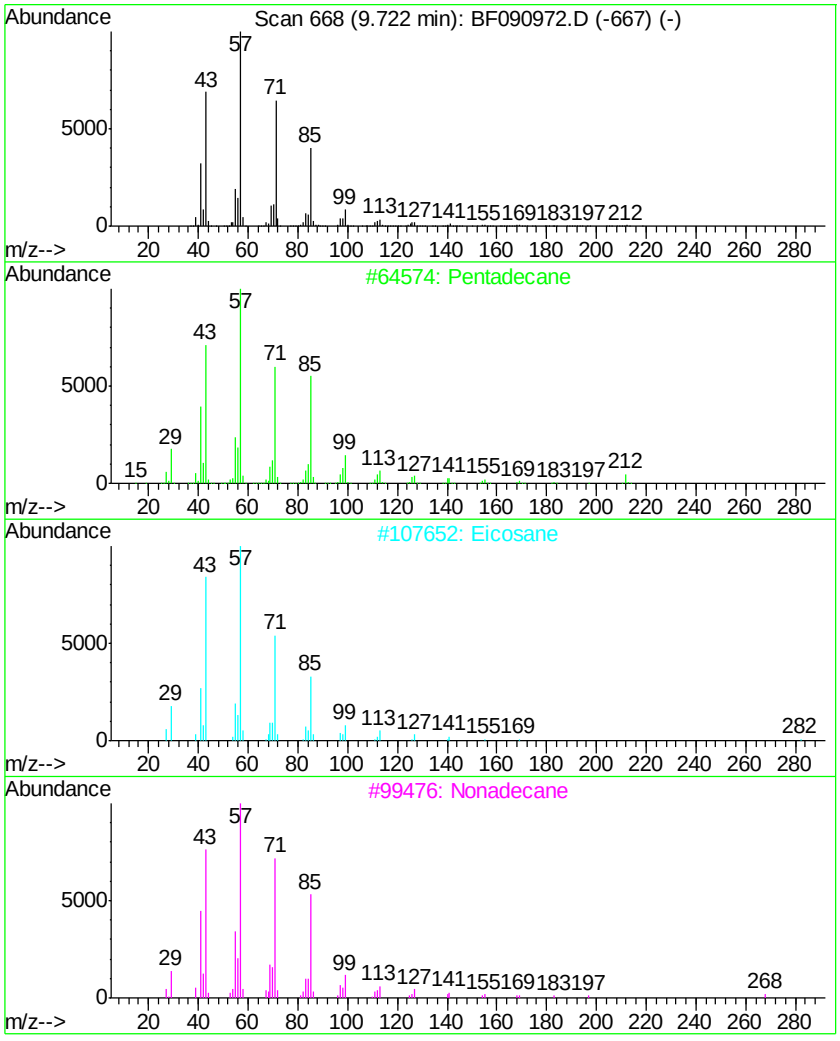
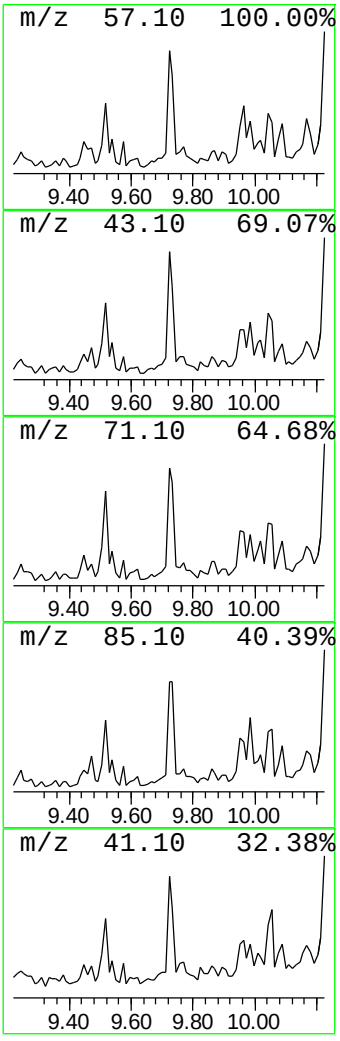
Peak Number 11 Pentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	30.74 ng	3842760	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Eicosane	282	C20H42	000112-95-8	91
3	Nonadecane	268	C19H40	000629-92-5	87
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	80





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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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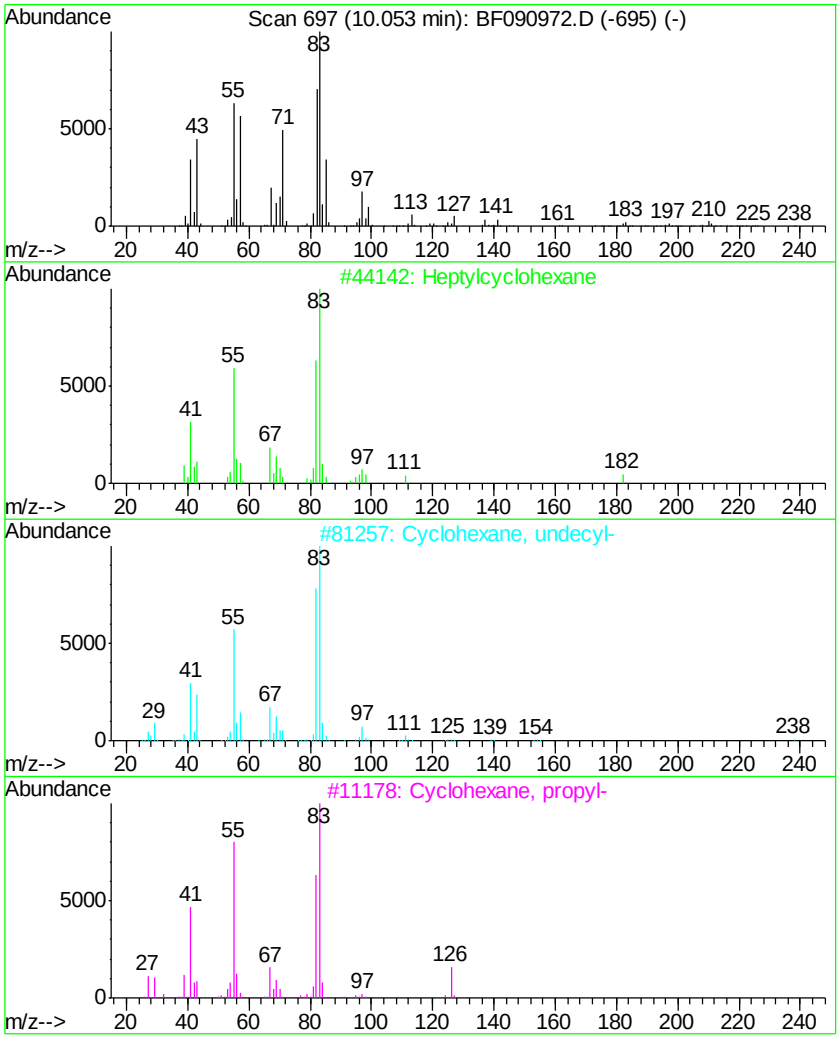
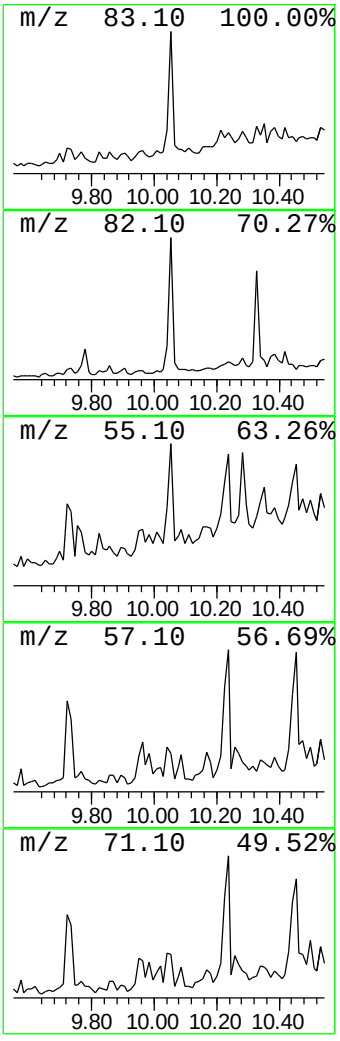
Peak Number 12 Heptylcyclohexane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	19.98 ng	2497880	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	64
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
4	Nonadecane	268	C19H40	000629-92-5	38
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	38





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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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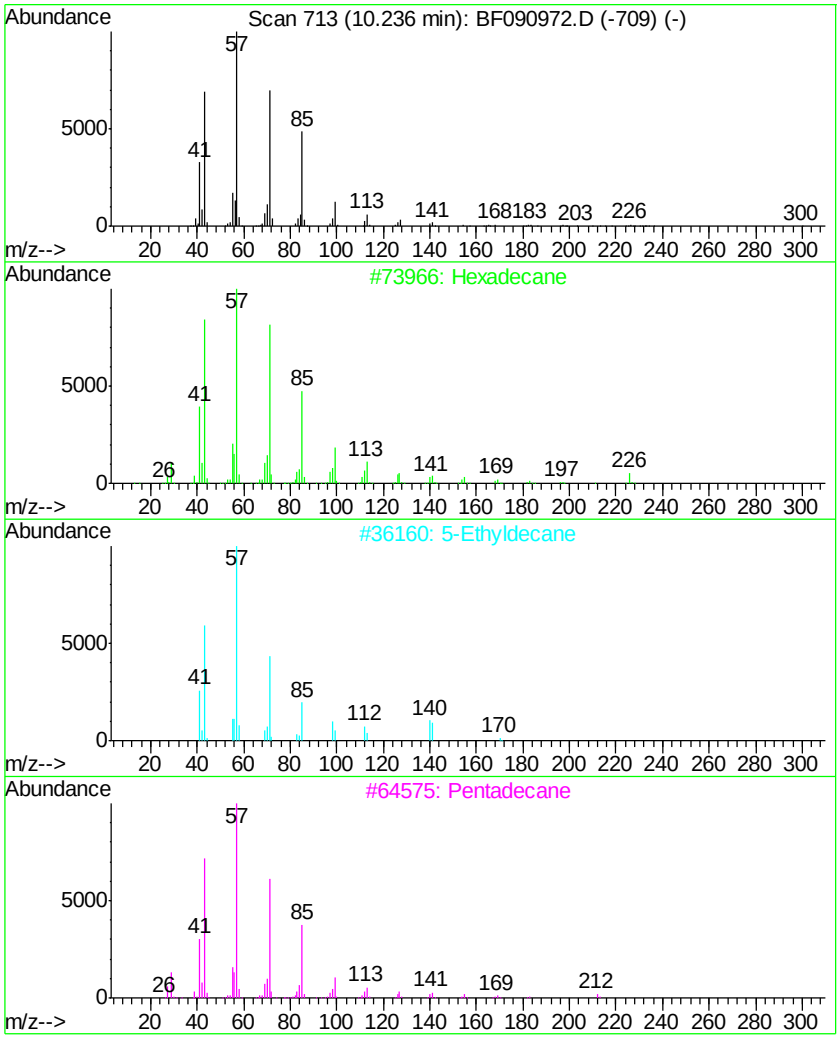
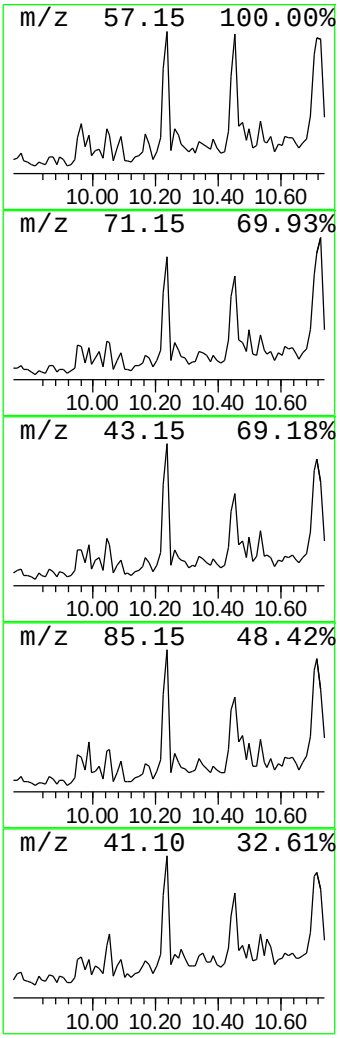
Peak Number 13 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	51.66 ng	6458280	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	5-Ethyldecane	170	C12H26	017302-36-2	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87





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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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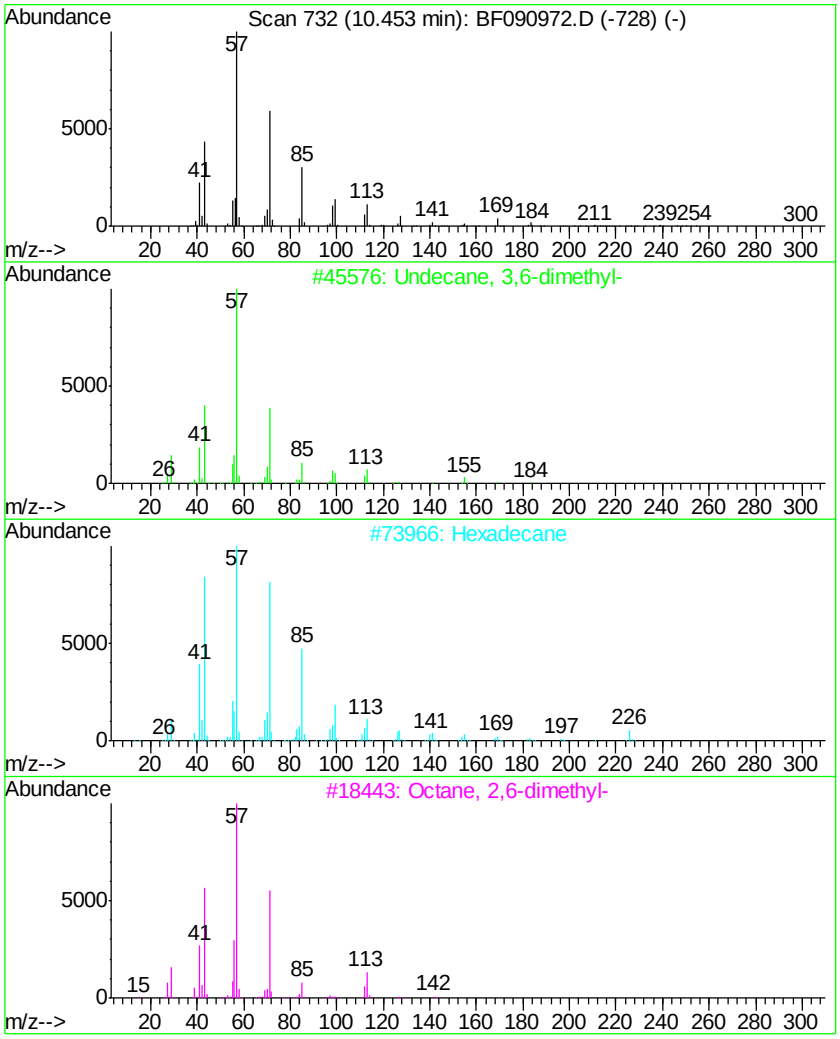
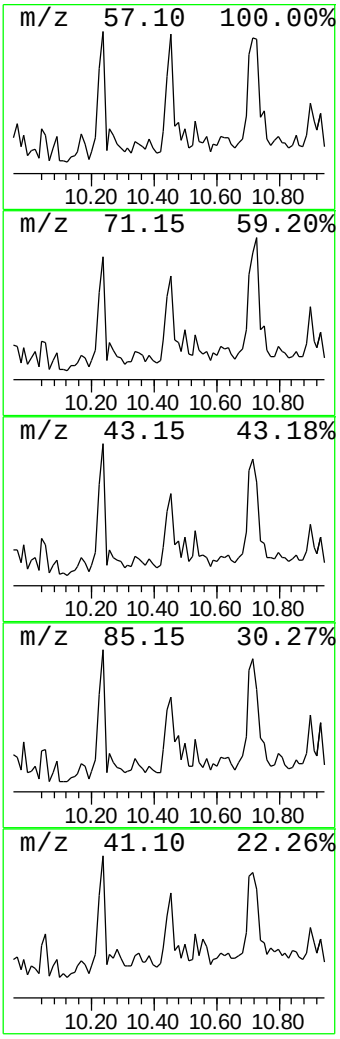
Peak Number 14 Undecane, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	49.85 ng	6231860	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81
2	Hexadecane	226	C16H34	000544-76-3	80
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	58
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	58





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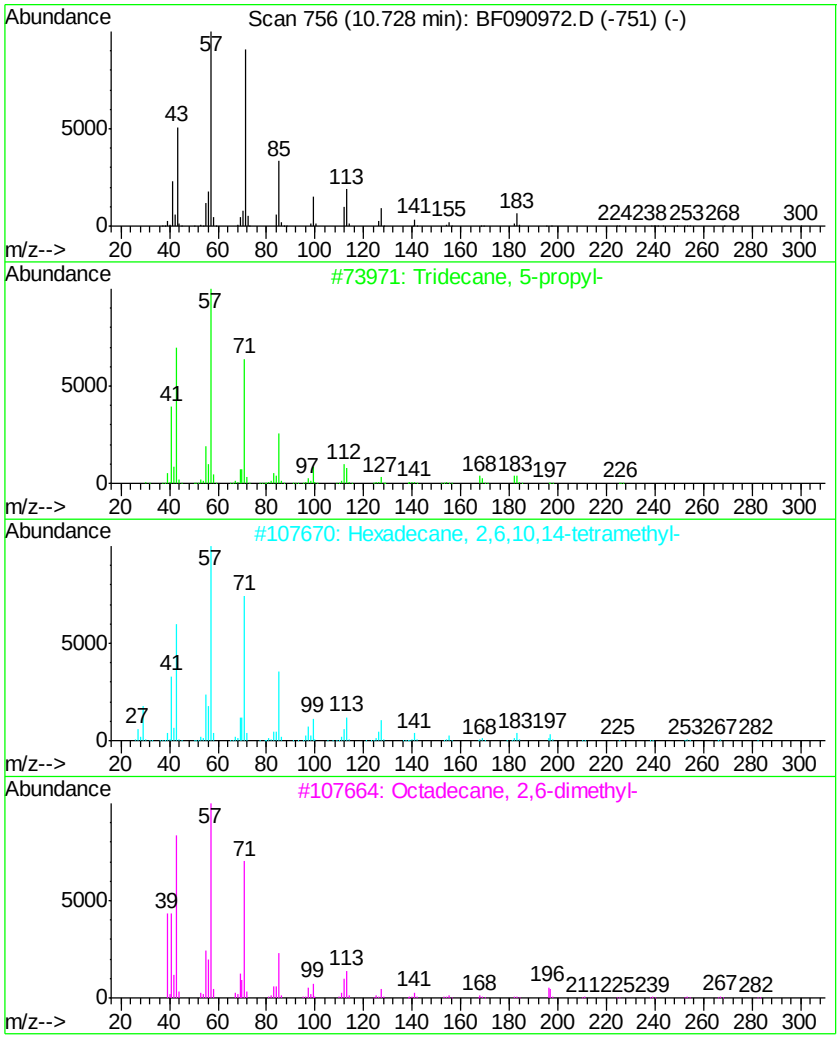
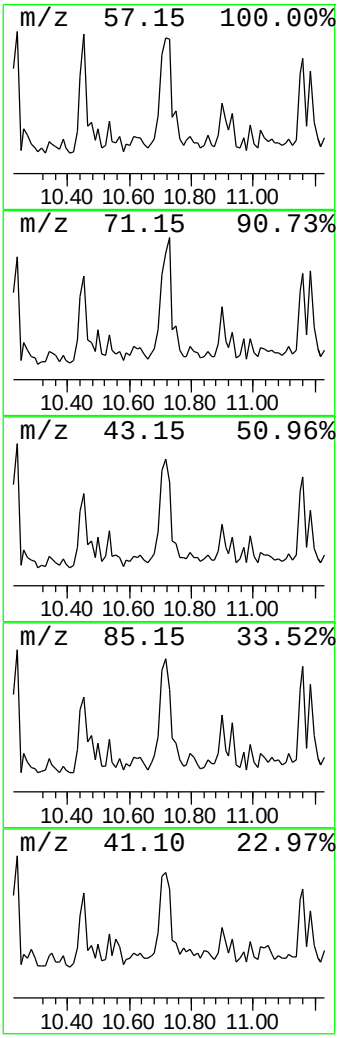
Peak Number 15 Tridecane, 5-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	19.67 ng	9171580	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	83
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64





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TIC Integration Parameters: LSCINT.P

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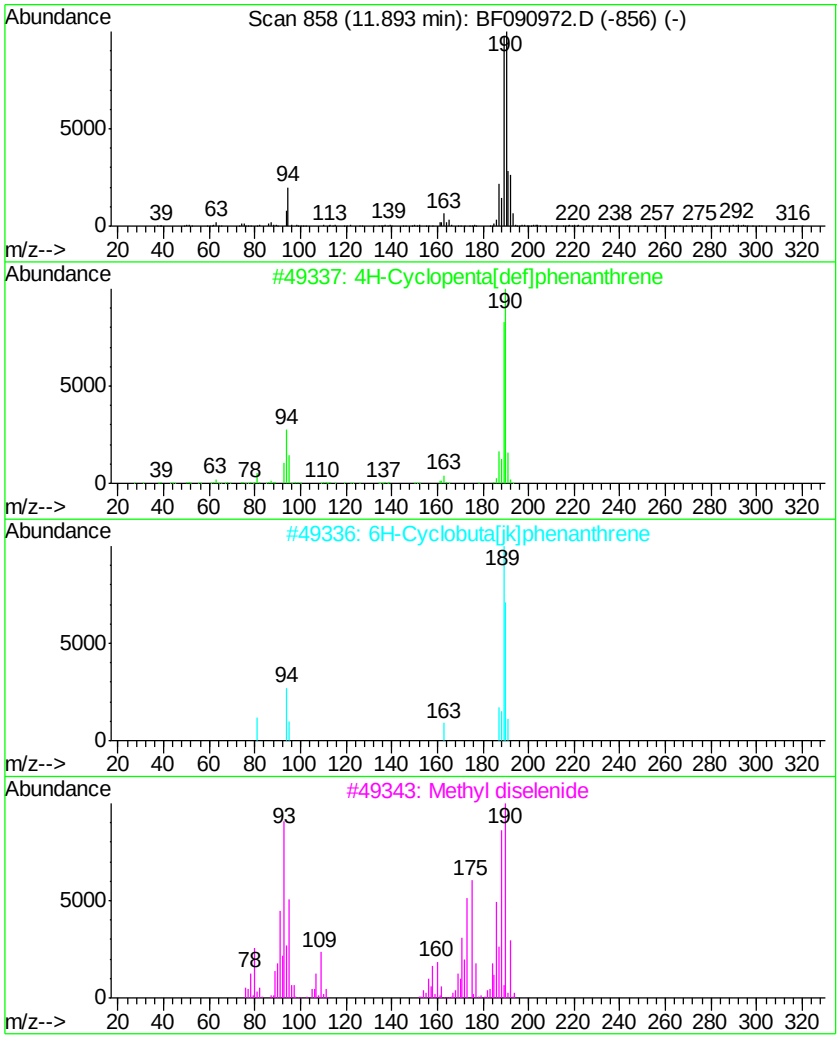
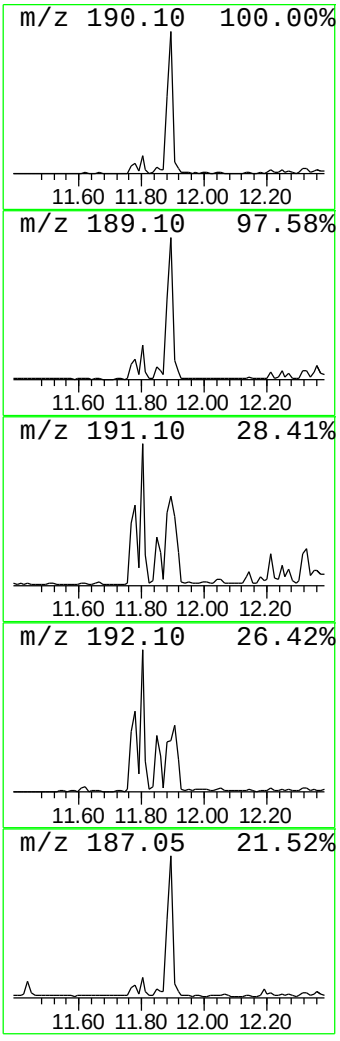
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	12.99 ng	6055640	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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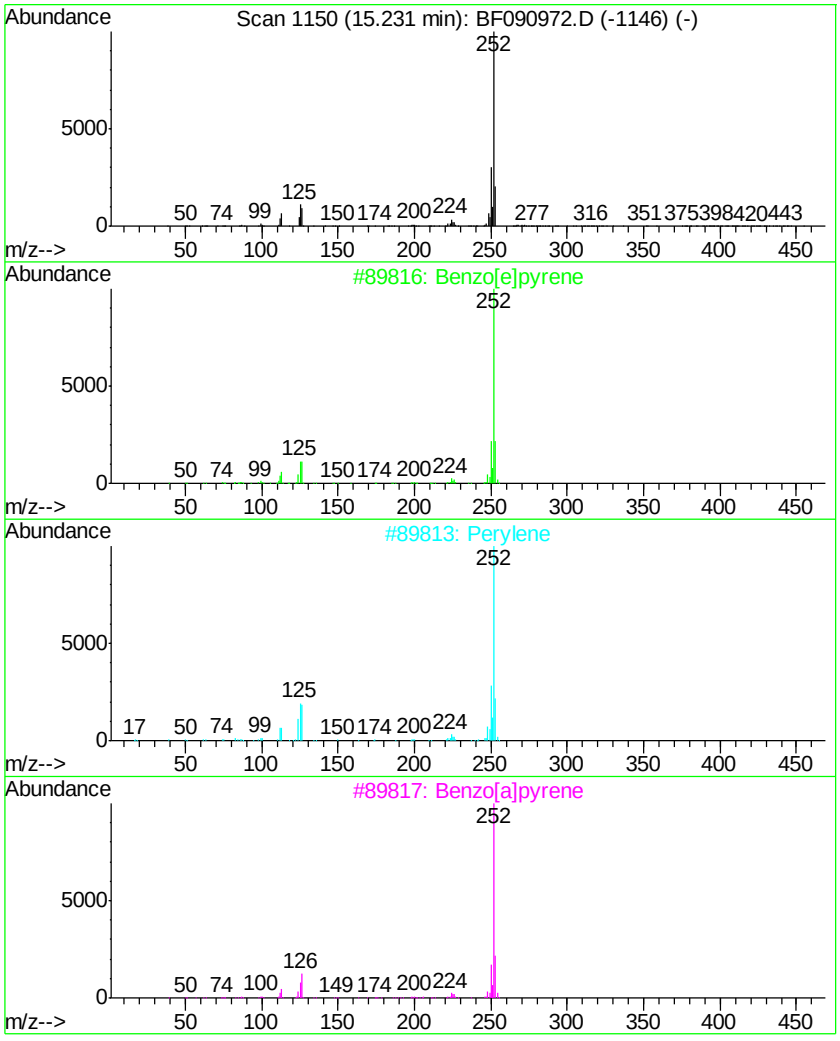
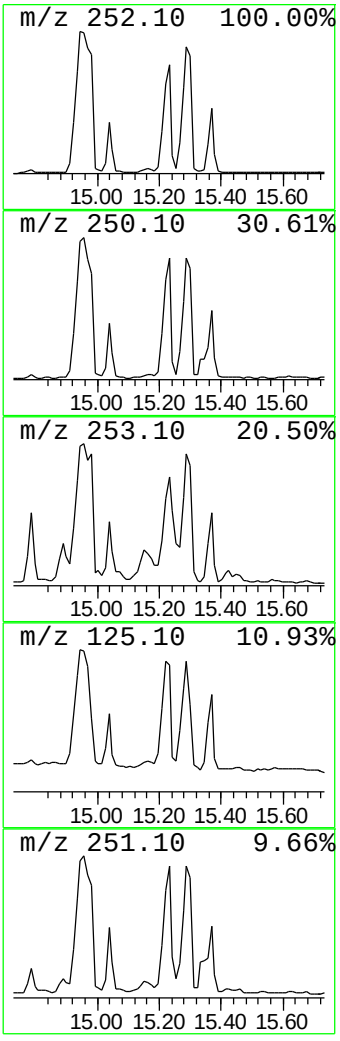
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	45.06 ng	4312620	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

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TIC Library : C:\DATABASE\NIST02.L
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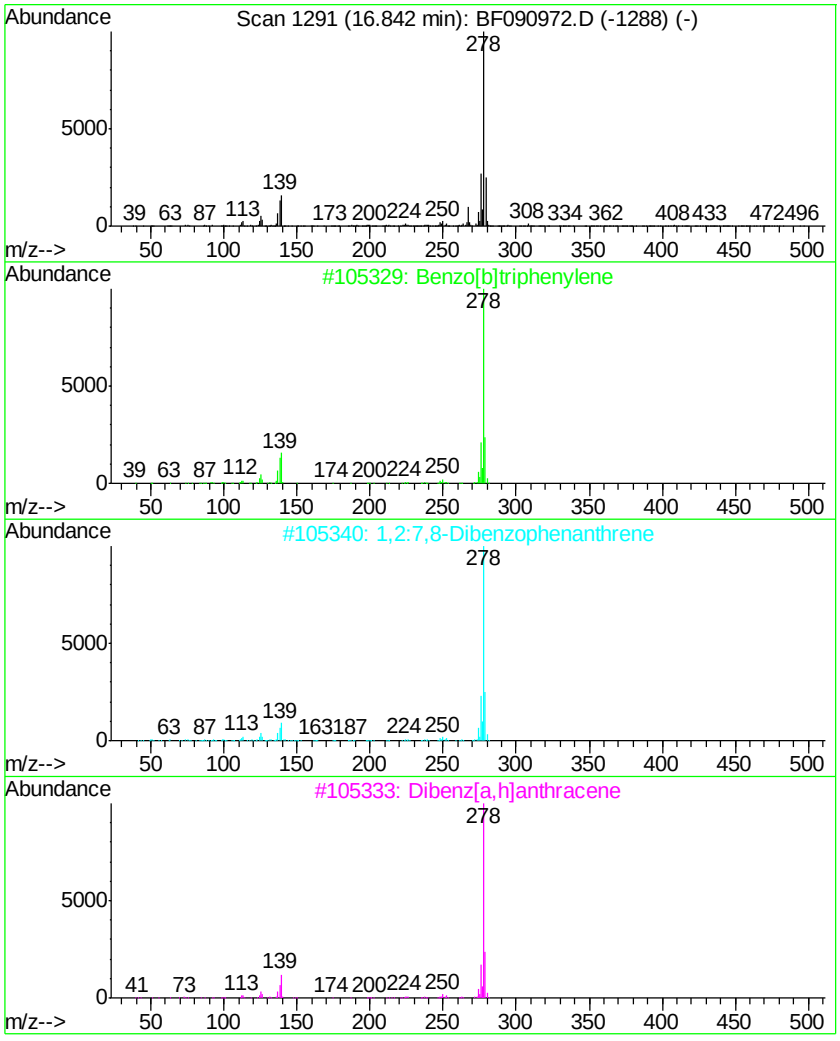
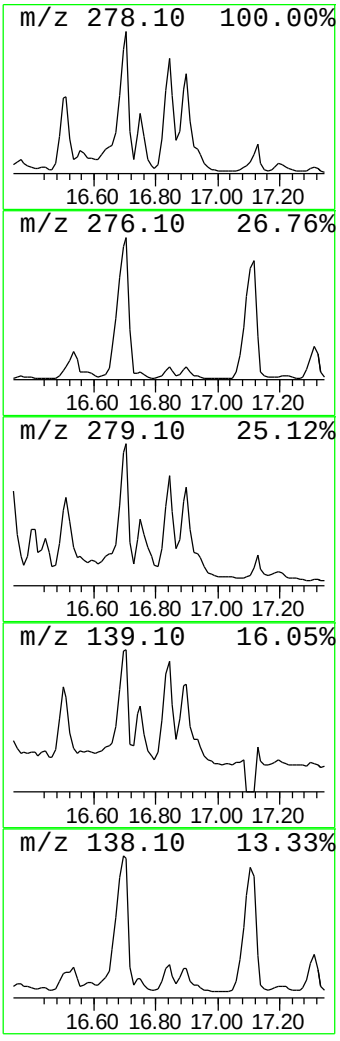
Peak Number 19 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	11.98 ng	1146980	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	98
5	Pentaphene	278	C22H14	000222-93-5	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
Data File : BF090972.D
Acq On : 2 Nov 2016 1:00
Operator : UM/SJ
Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

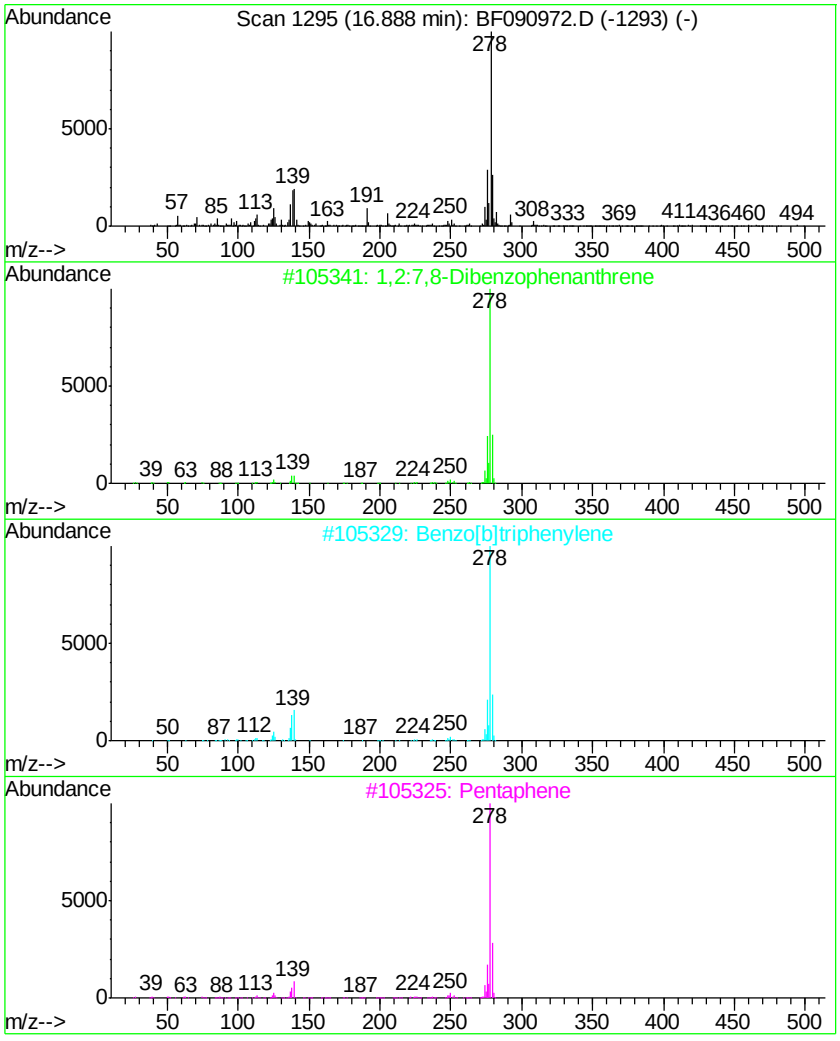
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

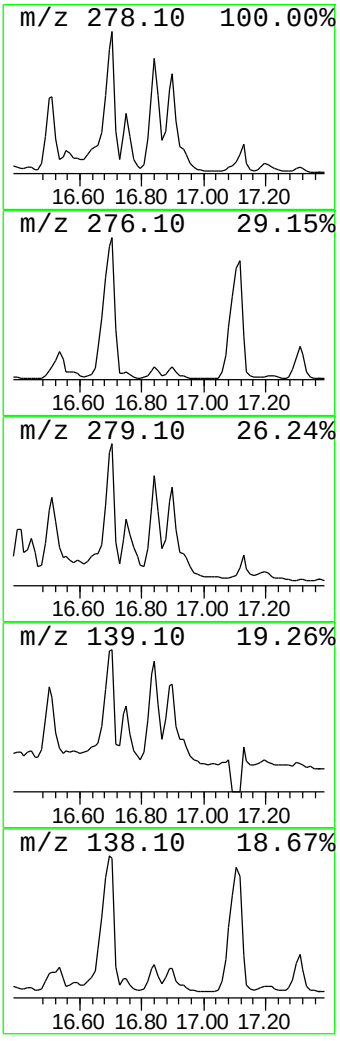
****

Peak Number 20 1,2:7,8-Dibenzophenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	10.57 ng	1011630	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
3	Pentaphene	278	C22H14	000222-93-5	96
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110116\
Data File : BF090972.D
Acq On : 2 Nov 2016 1:00
Operator : UM/SJ
Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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
2-Pentanone, 4-hy...	4.89	29.6	ng	1741080	1	6.74	1178130	20.0
1R-.alpha.-Pinene	6.00	26.6	ng	1565690	1	6.74	1178130	20.0
unknown6.51	6.51	75.2	ng	4432240	1	6.74	1178130	20.0
Undecane, 2,4-dim...	8.35	10.8	ng	2930170	2	8.03	5442360	20.0
Dodecane, 2,6,11-...	8.46	12.0	ng	3256810	2	8.03	5442360	20.0
Tetradecane	8.64	20.4	ng	5556680	2	8.03	5442360	20.0
Hexadecane, 2,6,1...	8.91	13.0	ng	1628820	3	9.78	2500130	20.0
Cyclohexane, propyl-	8.94	17.6	ng	2204370	3	9.78	2500130	20.0
Decane	9.38	10.8	ng	1353580	3	9.78	2500130	20.0
Pentadecane	9.72	30.7	ng	3842760	3	9.78	2500130	20.0
Heptylcyclohexane	10.05	20.0	ng	2497880	3	9.78	2500130	20.0
Hexadecane	10.24	51.7	ng	6458280	3	9.78	2500130	20.0
Undecane, 3,6-dim...	10.45	49.9	ng	6231860	3	9.78	2500130	20.0
Tridecane, 5-propyl-	10.73	19.7	ng	9171580	4	11.28	9327090	20.0
4H-Cyclopenta[def...	11.89	13.0	ng	6055640	4	11.28	9327090	20.0
Benzo[e]pyrene	15.23	45.1	ng	4312620	6	15.33	1914270	20.0
Benzo[b]triphenylene	16.84	12.0	ng	1146980	6	15.33	1914270	20.0
1,2:7,8-Dibenzoph...	16.89	10.6	ng	1011630	6	15.33	1914270	20.0