LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125968.D
Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	12	rVB	3082274	3896106	24.18%	1.123%
2	5.281	537	543	546	rBV	749165	789369	4.90%	0.227%
3	5.469	571	575	578	rVB	4851916	4626959	28.72%	1.333%
4	5.639	600	604	608	rBV3	482068	749012	4.65%	0.216%
5	5.681	608	611	614	rVV	1062323	926619	5.75%	0.267%
6	5.722	614	618	620	rVV	711899	708867	4.40%	0.204%
7	5.892	640	647	650	rVB3	1080627	1757736	10.91%	0.507%
8	5.939	650	655	658	rBV	994176	1431086	8.88%	0.412%
9	6.022	666	669	673	rVB3	2039947	2425160	15.05%	0.699%
10	6.069	673	677	680	rBV	1000632	1189946	7.39%	0.343%
11	6.122	682	686	692	rVV2	4096132	5028086	31.21%	1.449%
12	6.175	692	695	697	rVB	2097239	1736718	10.78%	0.501%
13	6.210	697	701	703	rBV3	409738	614141	3.81%	0.177%
14	6.310	712	718	722	rBV2	2784095	3889872	24.14%	1.121%
15	6.345	722	724	726	rBV2	769730	750985	4.66%	0.216%
16	6.369	726	728	730	rVB	2603908	1945191	12.07%	0.561%
17	6.404	730	734	736	rBV3	2121375	2732358	16.96%	0.787%
18	6.481	741	747	751	rBV2	4328492	5546371	34.42%	1.598%
19	6.522	751	754	755	rBV	882612	681707	4.23%	0.196%
20	6.539	755	757	760	rVB2	1156628	890979	5.53%	0.257%
21	6.569	760	762	765	rVB	1002558	800894	4.97%	0.231%
22	6.610	765	769	774	rBV5	2586355	4871999	30.24%	1.404%
23	6.645	774	775	781	rVB3	2112152	2414523	14.99%	0.696%
24	6.710	781	786	787	rBV3	1269472	1442686	8.95%	0.416%
25	6.728	787	789	791	rVB2	1593882	1289137	8.00%	0.372%
26	6.757	791	794	796	rBV	642749	665858	4.13%	0.192%
27	6.810	796	803	806	rBV5	1560613	3304888	20.51%	0.952%
28	6.839	806	808	809	rBV2	972409	787360	4.89%	0.227%
29	6.857	809	811	813	rBV2	1861578	1379767	8.56%	0.398%
30	6.886	813	816	819	rVB	6551670	7049481	43.75%	2.032%
31	6.934	819	824	826	rBV	2900826	3611130	22.41%	1.041%
32	6.963	826	829	831	rBV3	1433352	1635052	10.15%	0.471%
33	6.986	831	833	836	rBV	1898263	1818586	11.29%	0.524%
34	7.022	836	839	842	rVB	4807916	4669218	28.98%	1.346%
35	7.051	842	844	847	rVB2	1906808	1769759	10.98%	0.510%
36	7.104	850	853	855	rBV2	2028708	2444293	15.17%	0.704%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-4

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.145	857	860	863	rVB3	3877316	5007250	31.08%	1.443%
38	7.181	863	866	869	rVB2	2219165	2367481	14.69%	0.682%
39	7.222	869	873	876	rBV3	1778961	2520643	15.64%	0.726%
40	7.269	876	881	883	rBV2	4240447	5283203	32.79%	1.523%
41	7.298	883	886	893	rVB7	1463030	2219157	13.77%	0.640%
42	7.351	893	895	898	rBV2	818479	878119	5.45%	0.253%
43	7.410	898	905	909	rBV4	6249765	12783422	79.34%	3.684%
44	7.451	910	912	915	rVB2	2111589	1769966	10.99%	0.510%
45	7.516	919	923	927	rVB5	4857621	8042321	49.91%	2.318%
46	7.581	927	934	938	rBV4	4344455	10642038	66.05%	3.067%
47	7.663	939	948	949	rBV4	3837728	8760887	54.37%	2.525%
48	7.681	949	951	954	rVB3	4279710	4268385	26.49%	1.230%
49	7.716	954	957	959	rVB2	1564586	1230797	7.64%	0.355%
50	7.763	961	965	966	rBV2	3046464	3870017	24.02%	1.115%
51	7.781	966	968	970	rVV	3113086	2892876	17.95%	0.834%
52	7.798	970	971	975	rVB4	4101095	3396779	21.08%	0.979%
53	7.839	975	978	981	rVB4	3288165	3928542	24.38%	1.132%
54	7.898	981	988	990	rBV3	3604427	6511397	40.41%	1.877%
55	7.981	999	1002	1006	rVB5	3021852	3756359	23.31%	1.083%
56	8.028	1006	1010	1012	rBV	3087526	3525388	21.88%	1.016%
57	8.104	1020	1023	1024	rBV2	2474380	2529955	15.70%	0.729%
58	8.116	1024	1025	1027	rVV2	2469130	2093569	12.99%	0.603%
59	8.151	1027	1031	1033	rVV3	3612170	4976394	30.89%	1.434%
60	8.210	1039	1041	1042	rBV2	2464115	2194800	13.62%	0.633%
61	8.233	1043	1045	1048	rVB	4763786	4644478	28.83%	1.339%
62	8.328	1056	1061	1064	rBV5	2405477	5280677	32.77%	1.522%
63	8.463	1078	1084	1086	rVV5	4011702	6561934	40.73%	1.891%
64	8.486	1086	1088	1090	rVB3	1493661	1075759	6.68%	0.310%
65	8.551	1095	1099	1102	rVB2	3732959	4224918	26.22%	1.218%
66	8.604	1102	1108	1111	rBV	8772359	14617292	90.72%	4.213%
67	8.675	1117	1120	1123	rBV4	2740163	3210534	19.93%	0.925%
68	8.922	1159	1162	1164	rBV3	2330343	2114412	13.12%	0.609%
69	9.333	1229	1232	1234	rBV2	2675550	3673262	22.80%	1.059%
70	9.663	1284	1288	1291	rBV3	6802308	10980552	68.15%	3.165%
71	9.716	1294	1297	1301	rVB2	3042284	3556741	22.07%	1.025%
72	9.804	1308	1312	1315	rBV3	2516638	3835152	23.80%	1.105%
73	9.916	1328	1331	1335	rBV5	2552024	4238887	26.31%	1.222%
74	10.080	1357	1359	1364	rBV6	1958314	3092036	19.19%	0.891%
75	10.133	1365	1368	1372	rVB2	4233269	5966443	37.03%	1.720%
76	10.257	1385	1389	1391	rBV	4218529	5472312	33.96%	1.577%

LSC Area Percent Report

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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	10.286	1391	1394	1395	rVB	3128687	2877146	17.86%	0.829%
78	10.592	1443	1446	1449	rVB	6569339	7081723	43.95%	2.041%
79	10.869	1486	1493	1498	rVB2	8591601	16112321	100.00%	4.644%
80	11.057	1522	1525	1528	rVB2	3153338	3644808	22.62%	1.050%
81	11.174	1540	1545	1550	rBV8	2646272	4852141	30.11%	1.398%
82	11.316	1565	1569	1574	rVB2	7015776	10086707	62.60%	2.907%
83	11.433	1587	1589	1592	rVB	2779046	2463948	15.29%	0.710%
84	11.657	1624	1627	1630	rVB2	2851374	2958989	18.36%	0.853%
85	11.904	1667	1669	1672	rBV	1955988	2119387	13.15%	0.611%
86	11.933	1672	1674	1678	rVB	3424735	3027643	18.79%	0.873%
87	12.016	1685	1688	1690	rVV2	2330310	2397516	14.88%	0.691%
88	12.039	1690	1692	1695	rVB	2197712	1924941	11.95%	0.555%
89	12.163	1711	1713	1716	rVB3	961071	788085	4.89%	0.227%
90	12.374	1746	1749	1751	rBV2	2318424	2138342	13.27%	0.616%
91	12.451	1758	1762	1764	rVV	2326952	2566656	15.93%	0.740%
92	12.480	1764	1767	1769	rVV2	906555	1048457	6.51%	0.302%
93	12.527	1773	1775	1778	rVB	1129139	992264	6.16%	0.286%
94	12.604	1783	1788	1793	rVB2	1156825	1844582	11.45%	0.532%
95	12.827	1823	1826	1828	rBV	964755	816358	5.07%	0.235%
96	12.851	1828	1830	1833	rVB	754357	667509	4.14%	0.192%
97	12.886	1833	1836	1839	rVB	991365	957514	5.94%	0.276%
98	12.968	1847	1850	1853	rBV	3174046	2874071	17.84%	0.828%
99	14.010	2023	2027	2030	rBV2	1172143	1437248	8.92%	0.414%
100	15.480	2272	2277	2280	rBV	832759	1036851	6.44%	0.299%

Sum of corrected areas: 346982240

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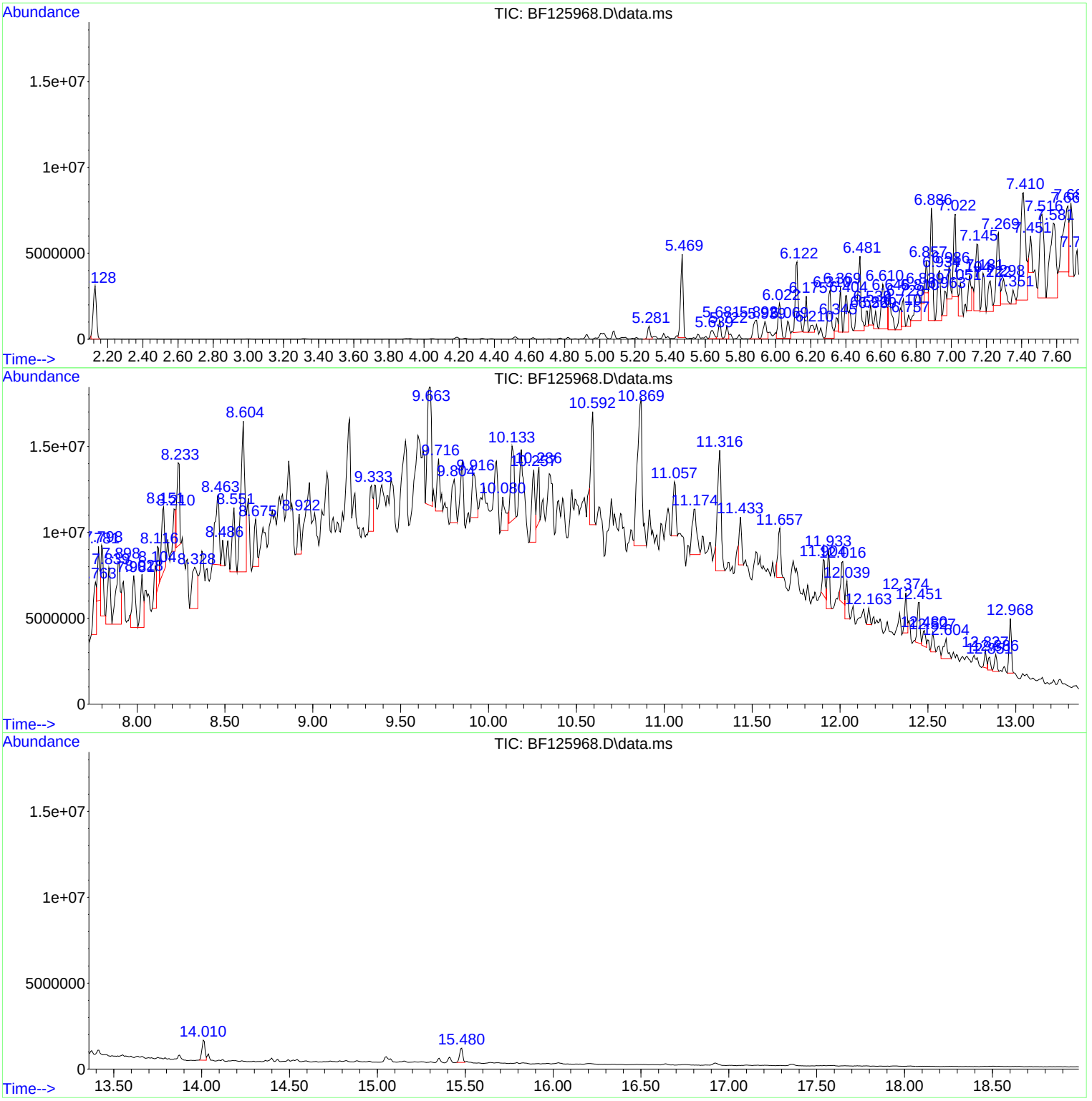
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
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Instrument : BNA_F
ClientSampleId : SB-4

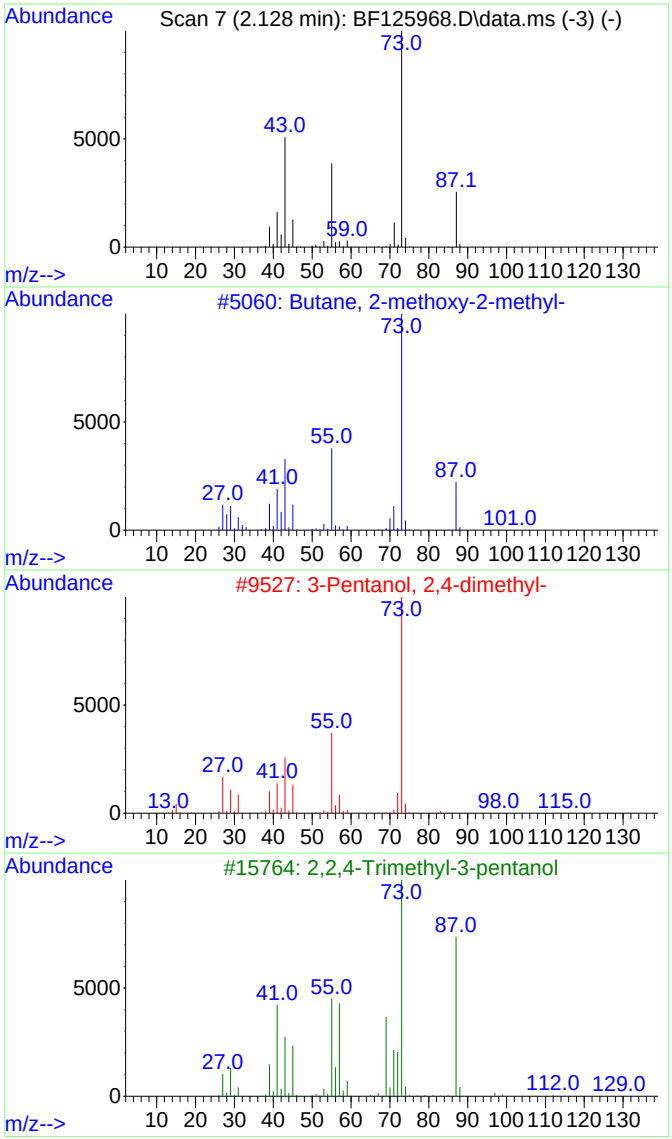
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

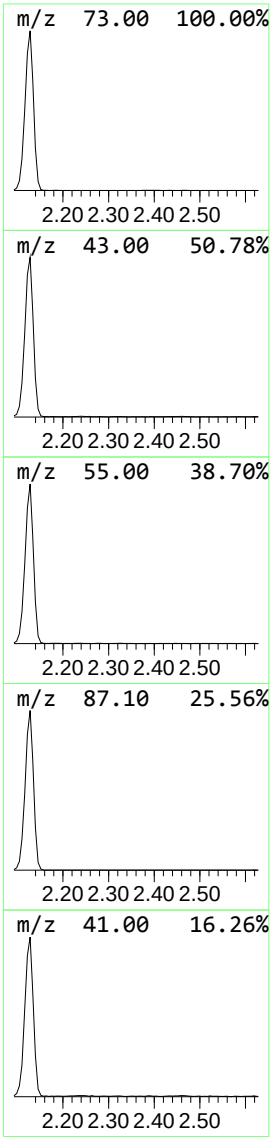
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	56.47 ng	3896110	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	33





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
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Instrument : BNA_F
ClientSampleId : SB-4

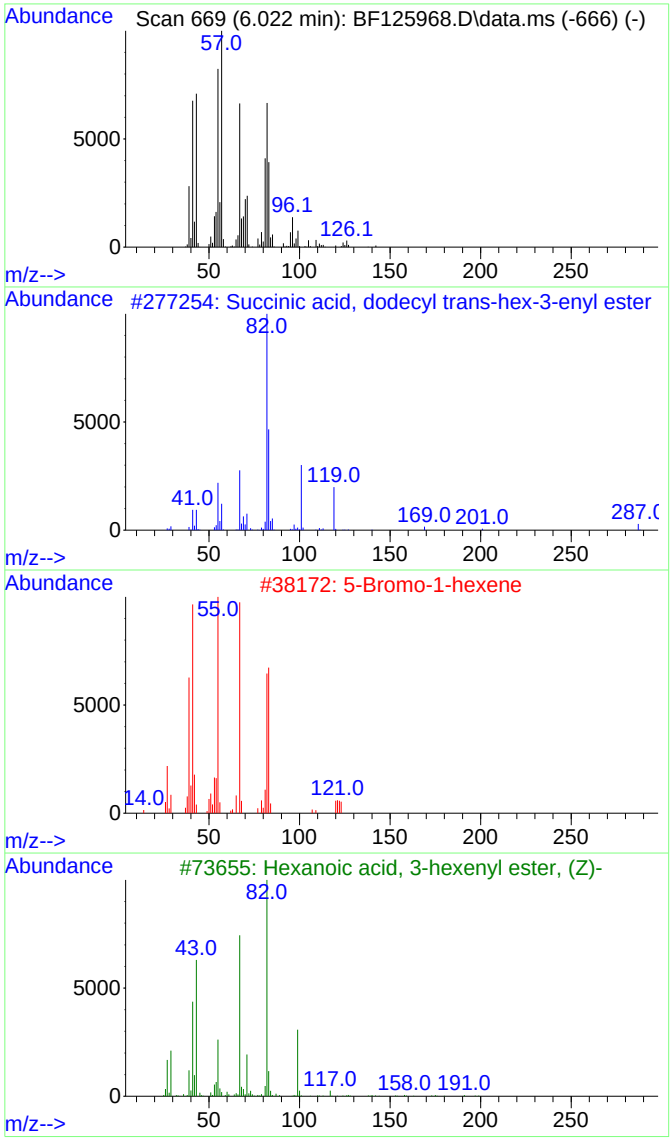
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

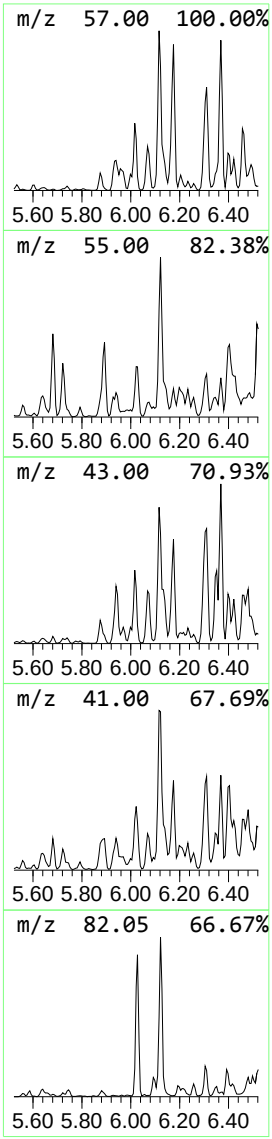
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Succinic acid, dodecyl tran... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.022	35.15 ng	2425160	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Succinic acid, dodecyl trans-hex...	368	C22H40O4	1000353-43-5	53
2	5-Bromo-1-hexene	162	C6H11Br	004558-27-4	47
3	Hexanoic acid, 3-hexenyl ester, ...	198	C12H22O2	031501-11-8	35
4	Cyclohexanemethanol	114	C7H14O	000100-49-2	35
5	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	27





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Sample : M4372-07
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

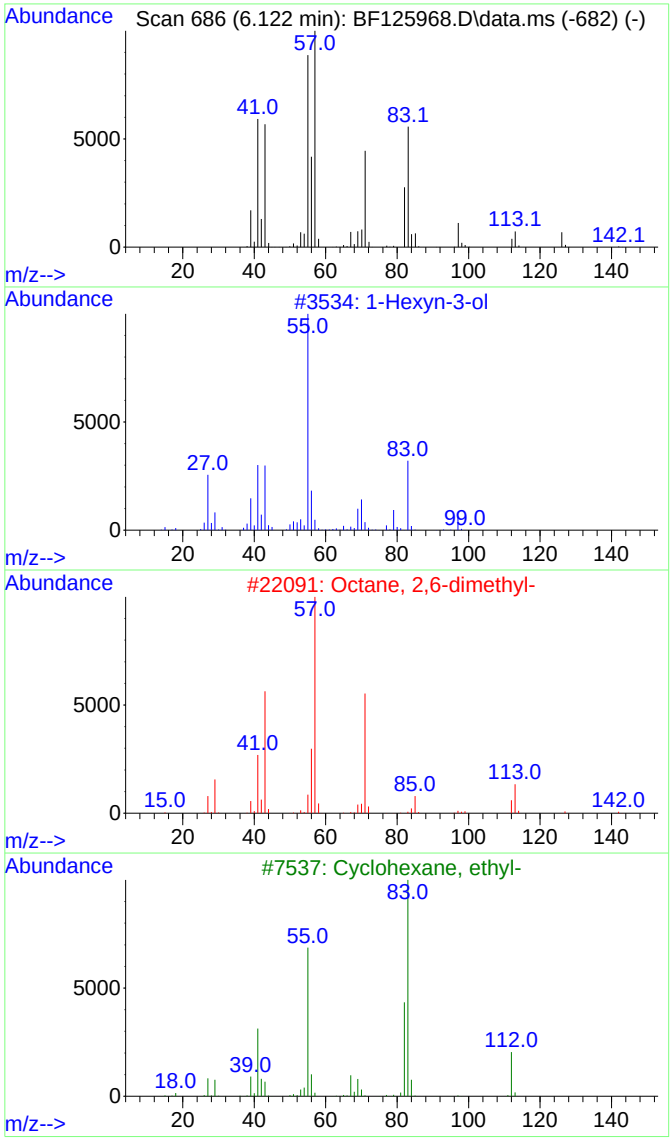
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

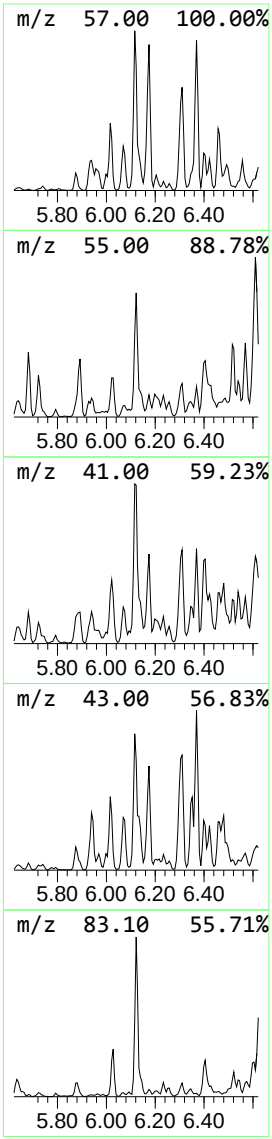
****

Peak Number 3 unknown6.122 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.122	72.88 ng	5028090	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexyn-3-ol	98	C6H10O	000105-31-7	35
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	35
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	27
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	27
5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	27





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Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

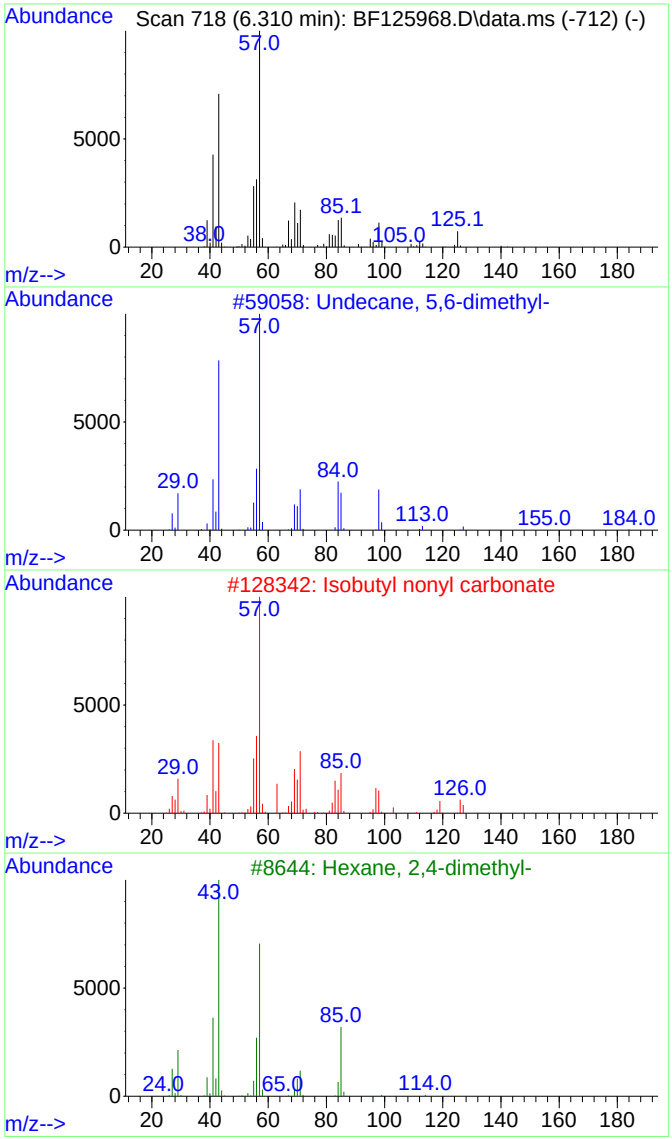
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

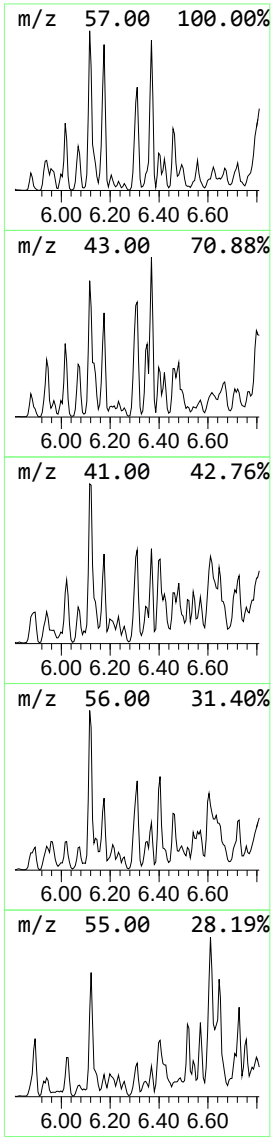
****

Peak Number 4 Undecane, 5,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.310	56.38 ng	3889870	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64
2	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	53
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
5	2-Methyl-1-hexanol	116	C7H16O	1000427-67-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125968.D
Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

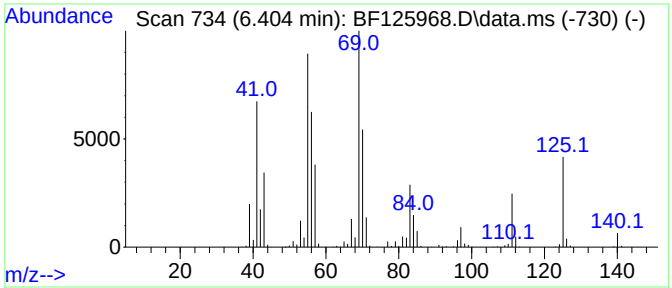
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

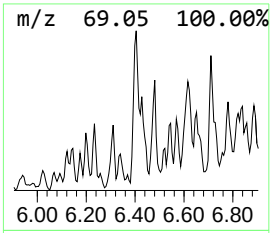
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

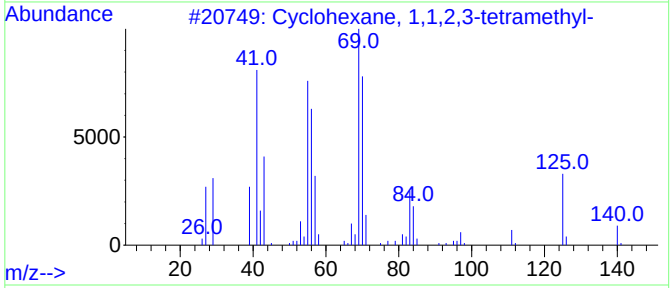
****
Peak Number 5 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 15

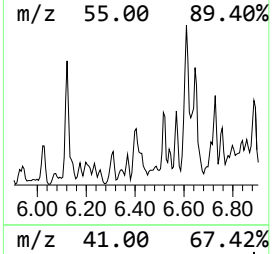
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.404	39.61 ng	2732360	1,4-Dichlorobenzene-d4	6.863

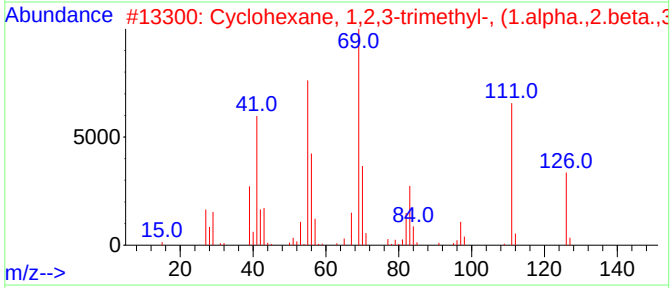
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
3	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	52
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47

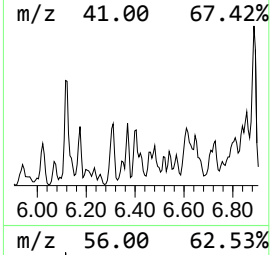


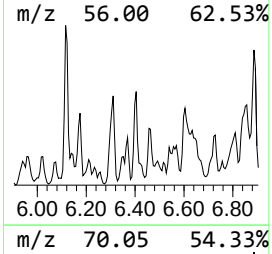


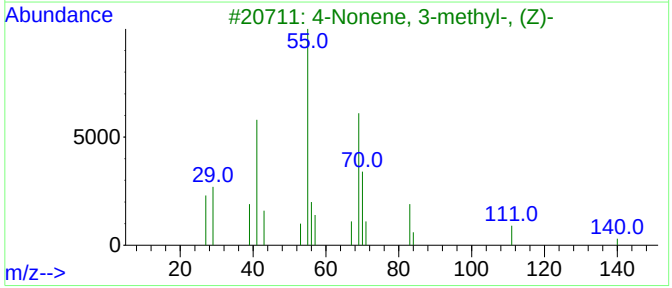


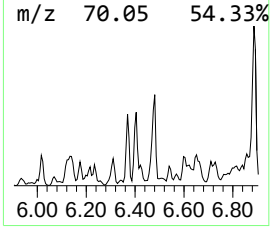












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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

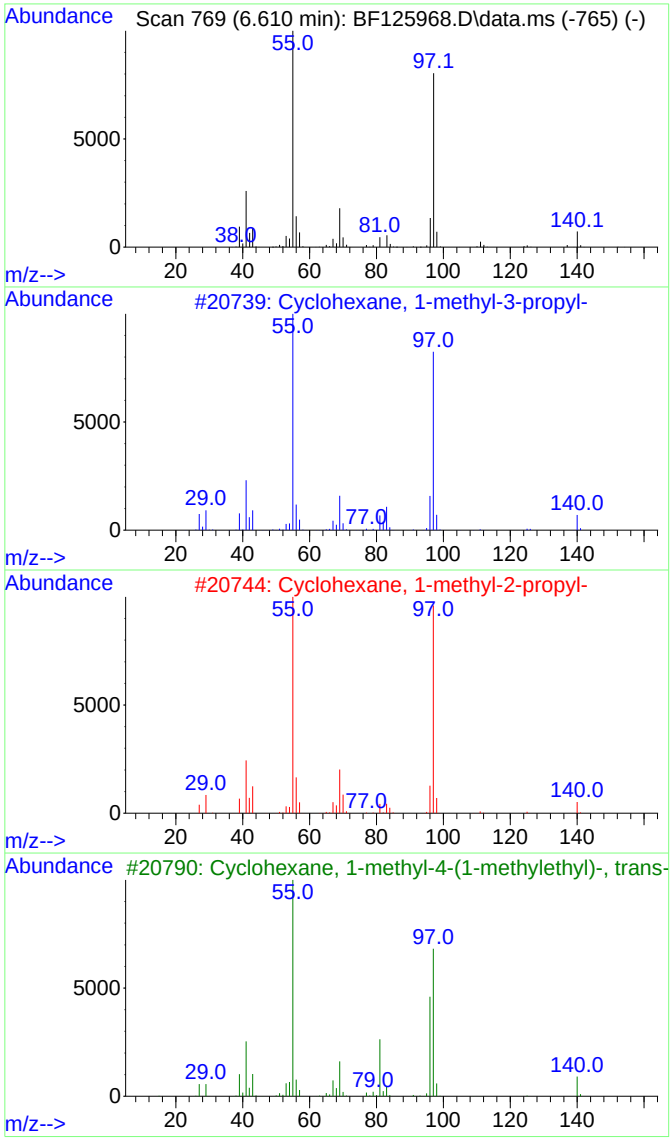
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

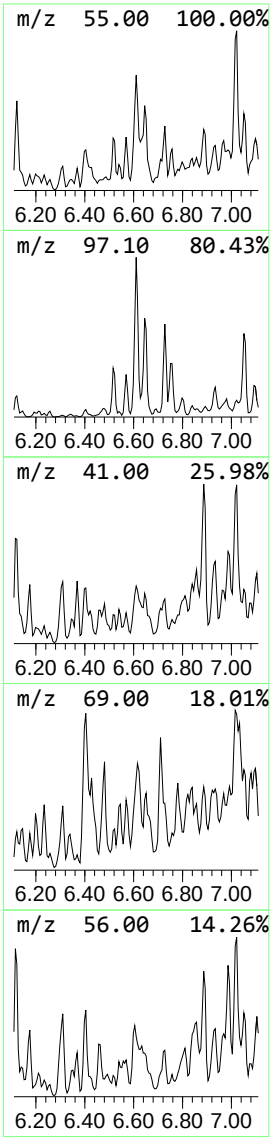
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1-methyl-3-pro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.610	70.62 ng	4872000	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	91
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	91
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	80
4	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	78
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	78





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Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

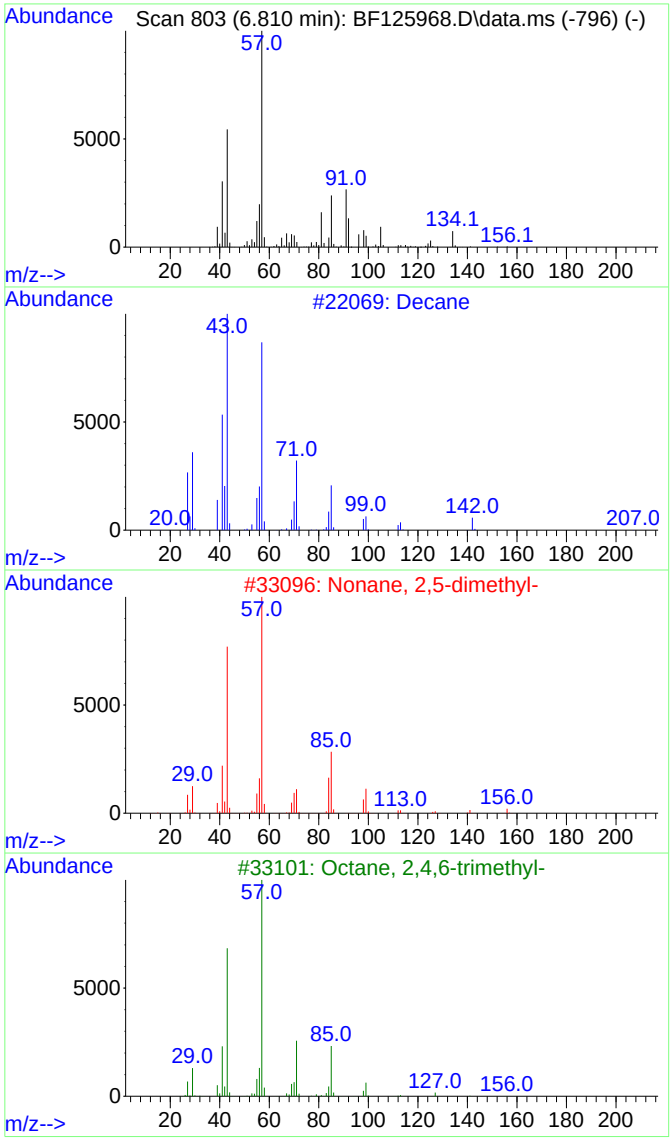
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

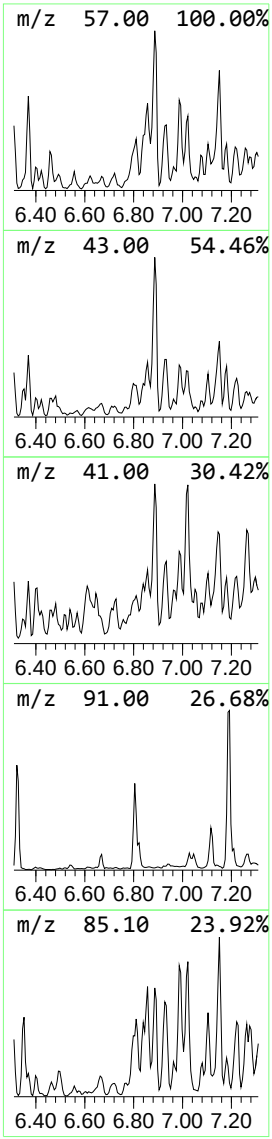
****

Peak Number 7 Decane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.810	47.91 ng	3304890	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	50
2	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	50
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47
4	Hexadecane	226	C16H34	000544-76-3	43
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	38





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-4

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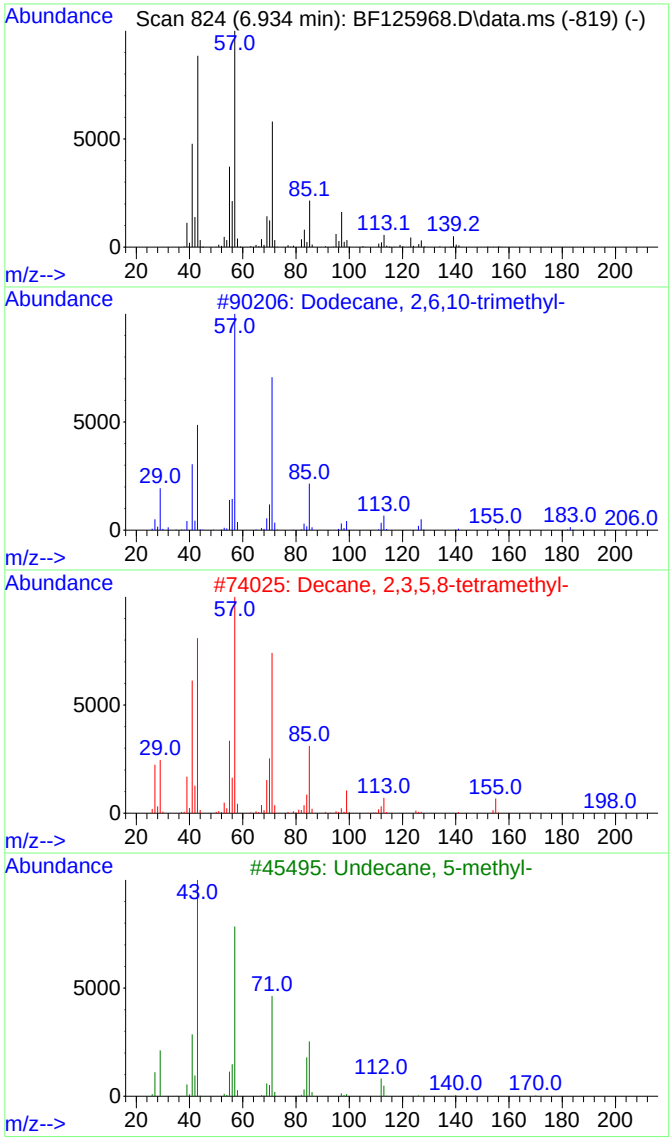
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

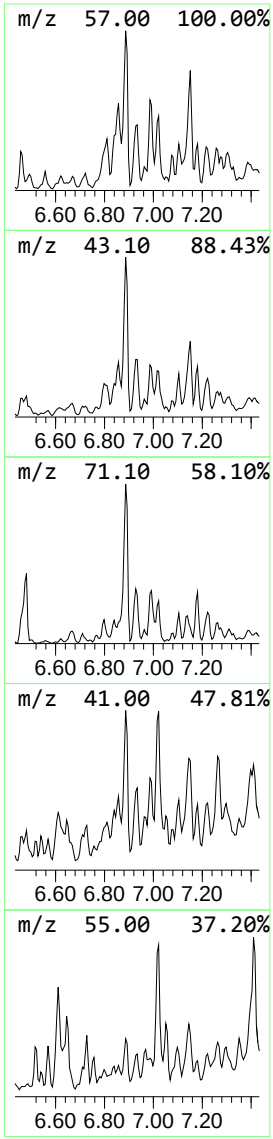
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.934	52.34 ng	3611130	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
2	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	53
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
4	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	50
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50





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Instrument : BNA_F
ClientSampleId : SB-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

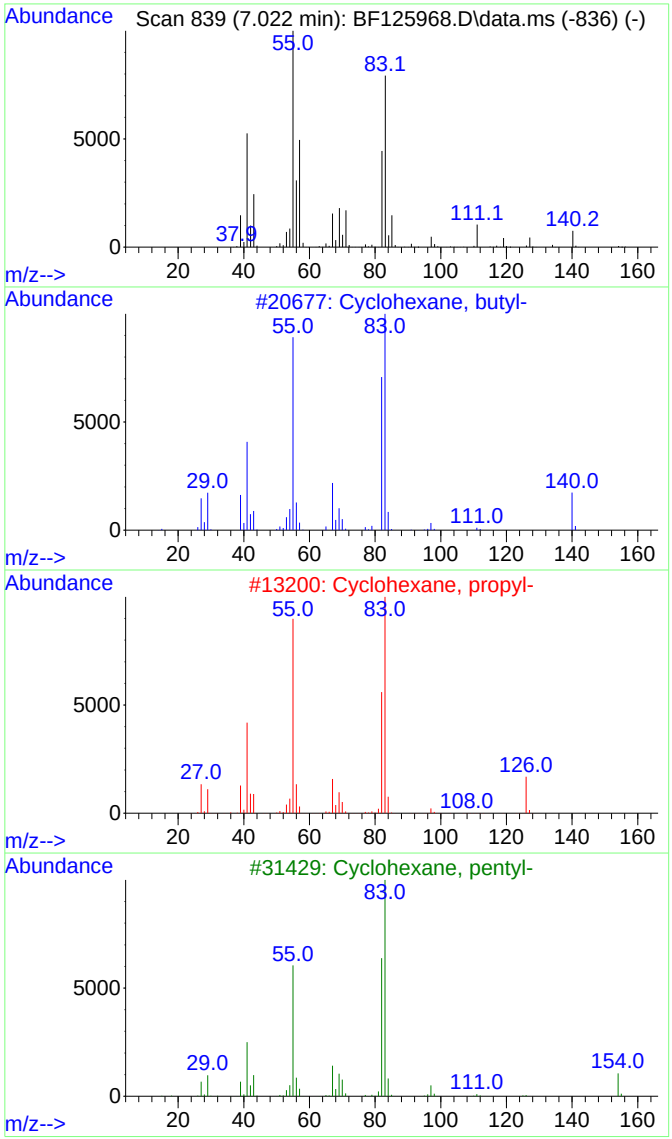
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

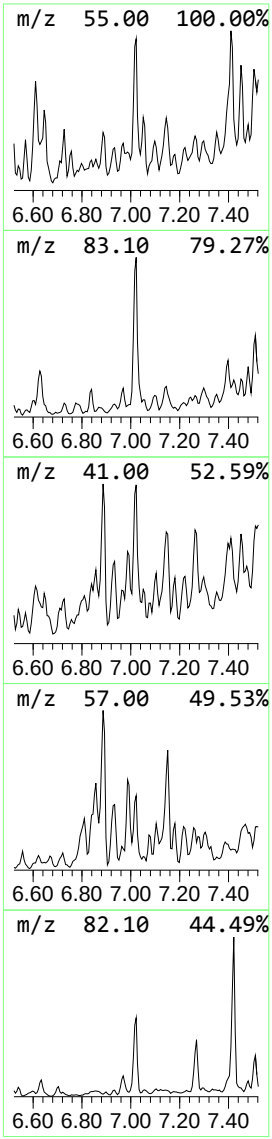
****

Peak Number 9 Cyclohexane, butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.022	67.68 ng	4669220	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	53
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53





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Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

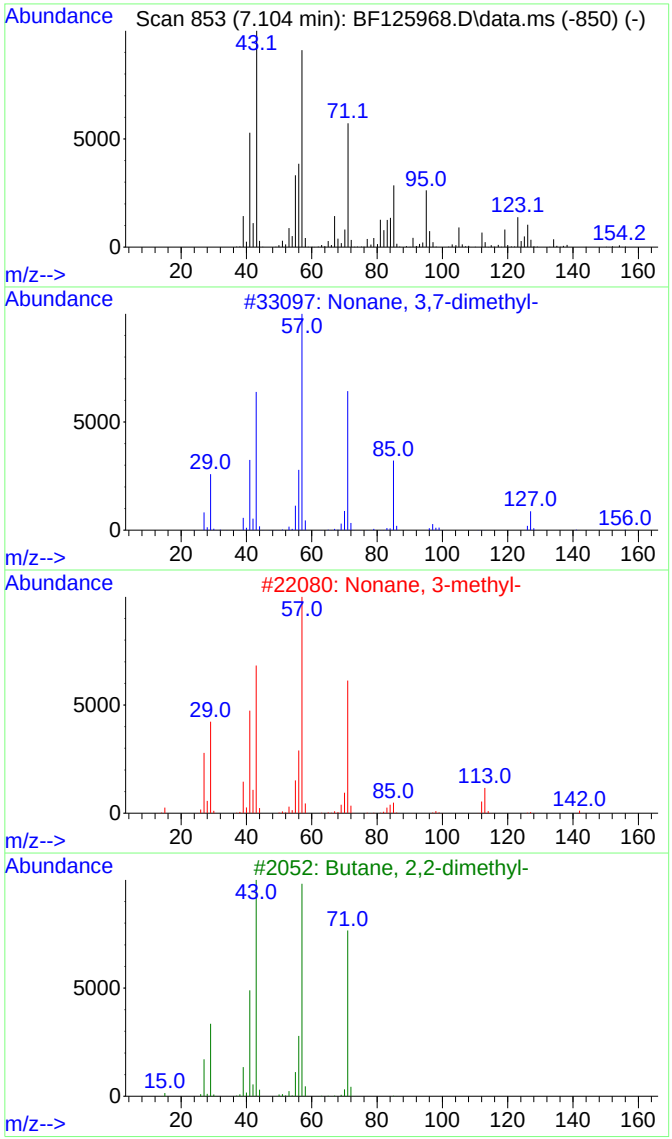
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

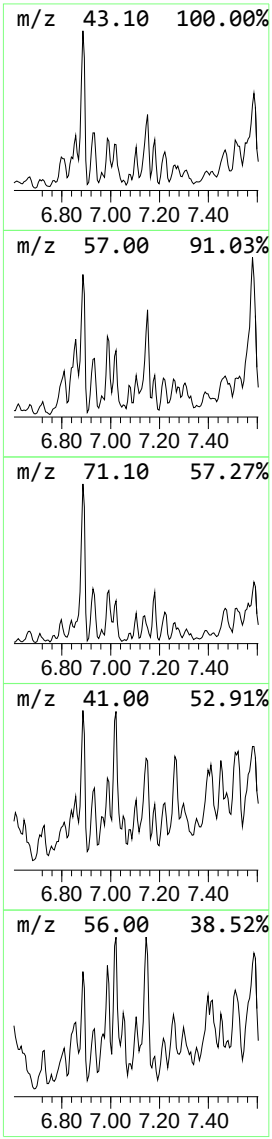
****

Peak Number 10 unknown7.104 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.104	35.43 ng	2444290	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	46
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	43
5	Decane, 5-propyl-	184	C13H28	017312-62-8	43





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Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

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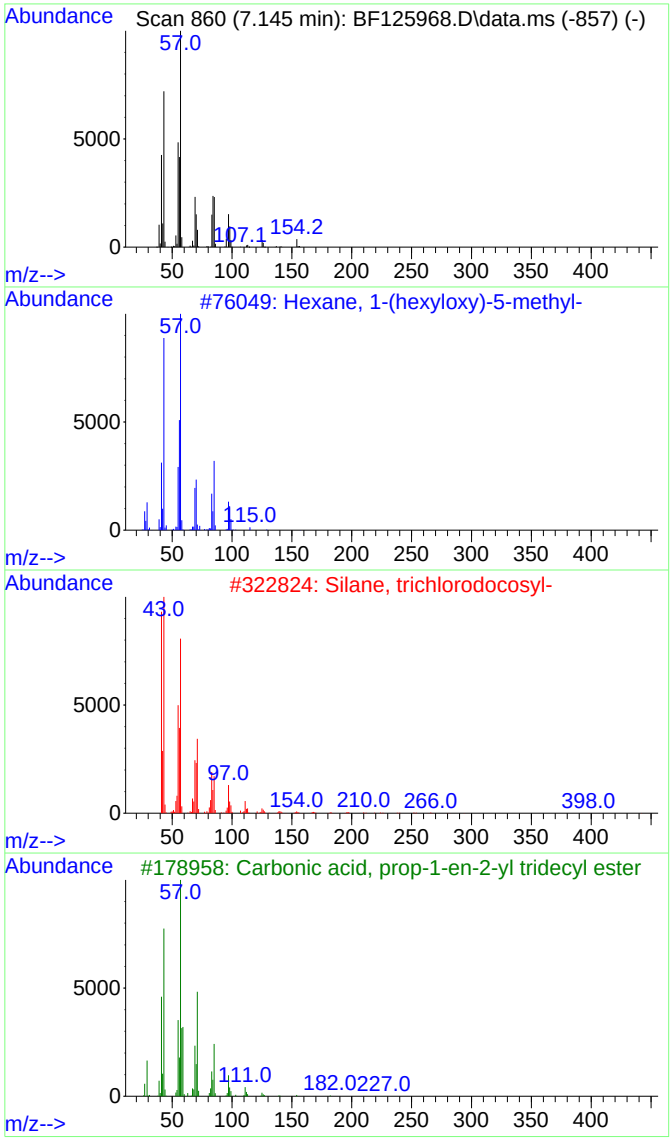
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

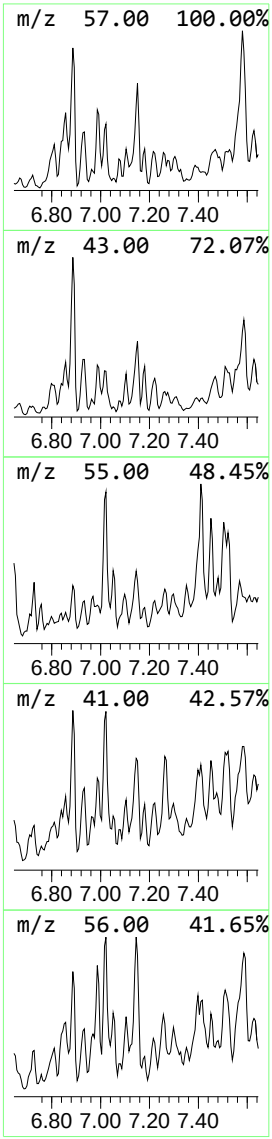
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Hexane, 1-(hexyloxy)-5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	72.58 ng	5007250	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	64
2	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	53
3	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	49
4	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	47
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	47





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Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

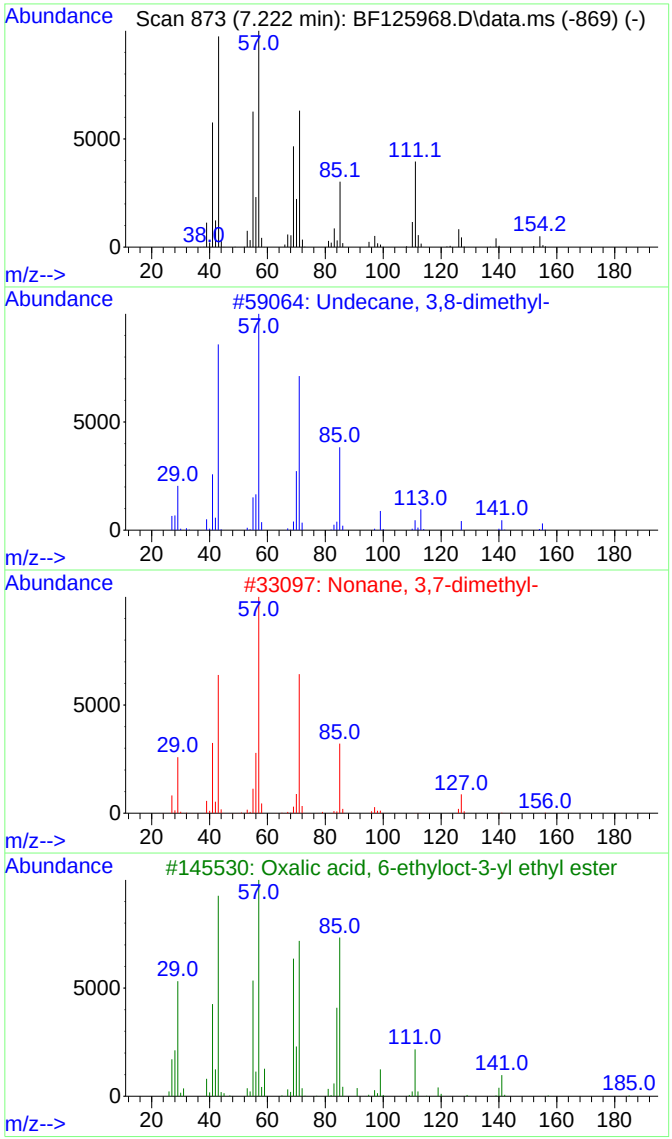
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

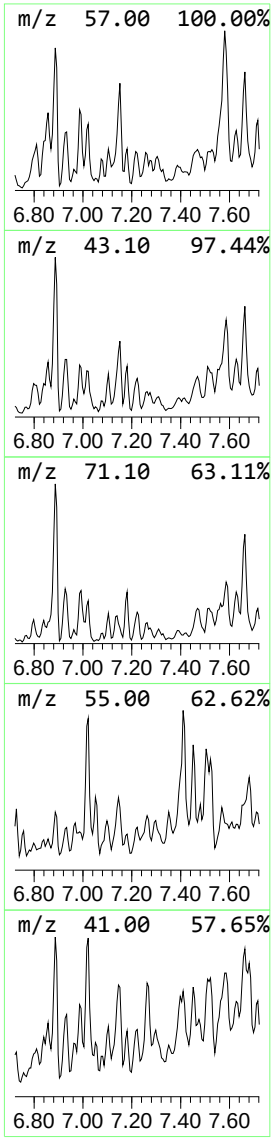
****

Peak Number 12 Undecane, 3,8-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.222	36.54 ng	2520640	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	50
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	49
3	Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	47
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	47
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	43





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Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

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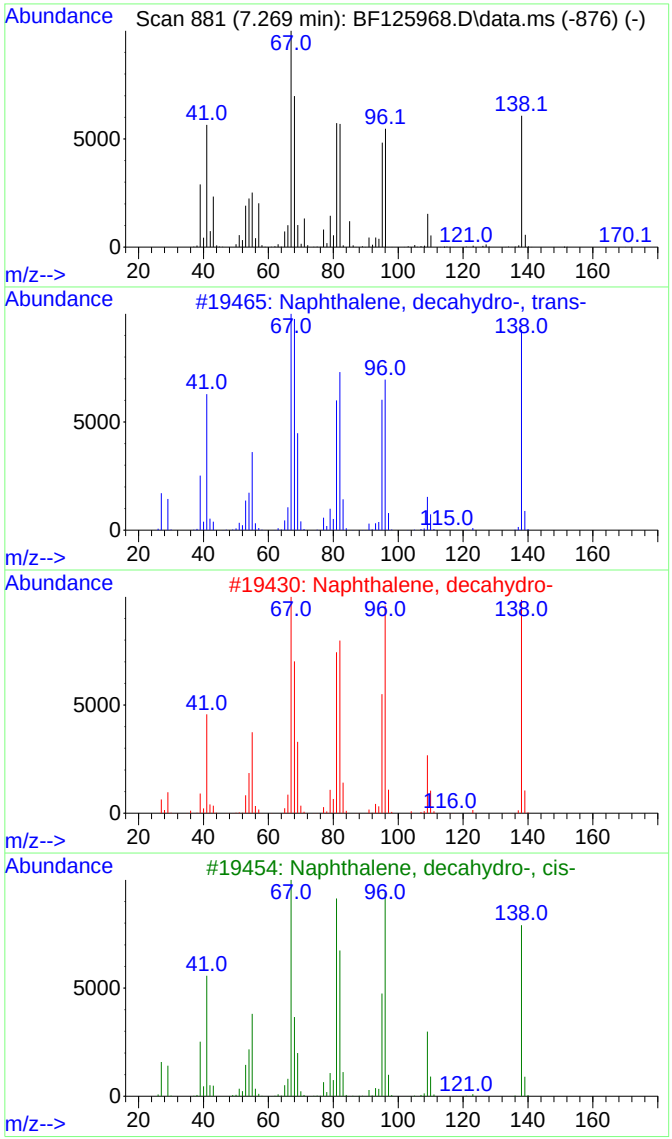
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

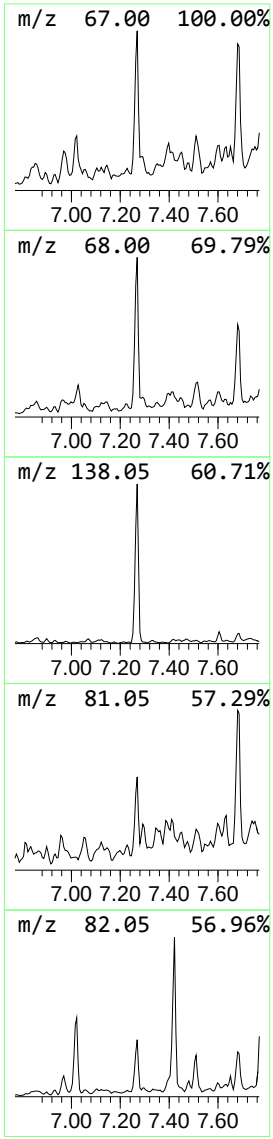
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.269	76.58 ng	5283200	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	74
4	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	72
5	Cyclodecene	138	C10H18	003618-12-0	68





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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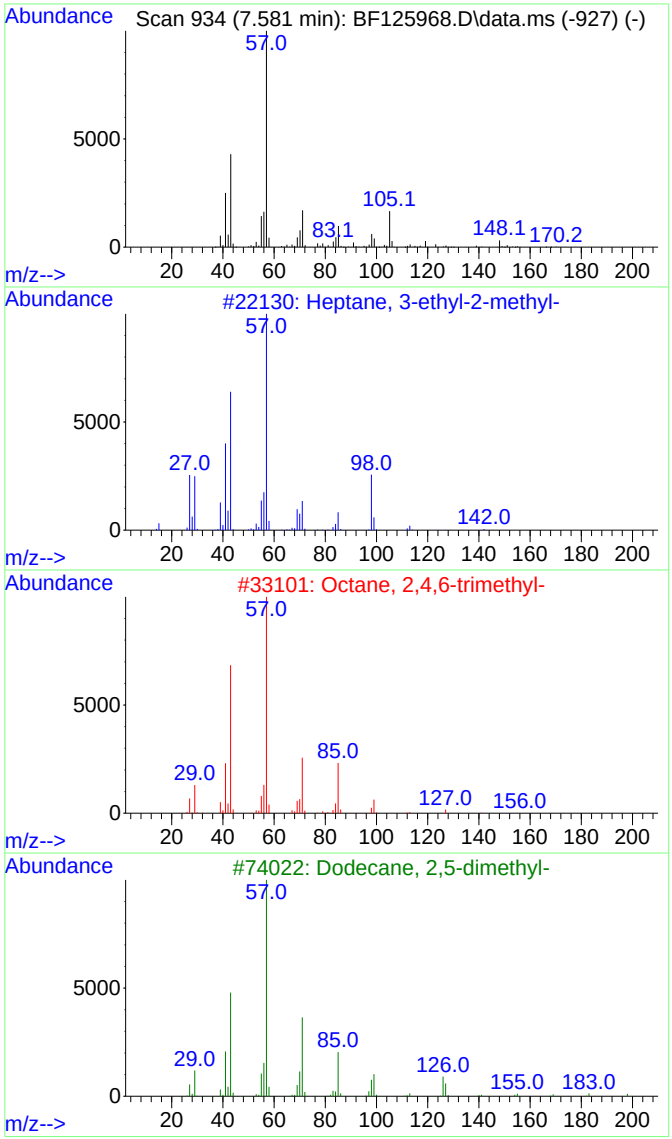
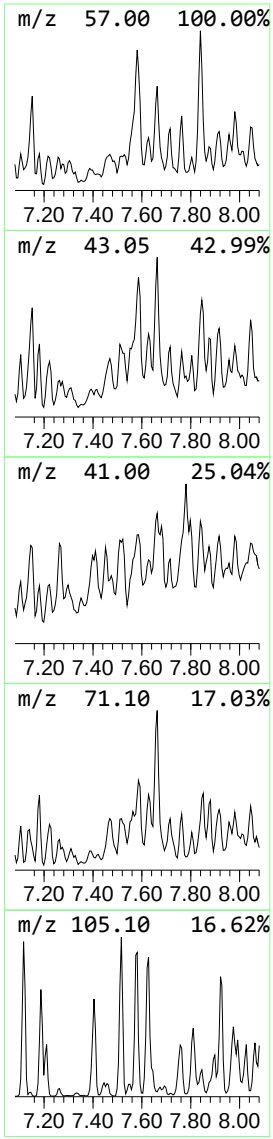
Peak Number 14 Heptane, 3-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.581	42.77 ng	10642000	Naphthalene-d8	8.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
3	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	50
4	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50





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Instrument : BNA_F
ClientSampleId : SB-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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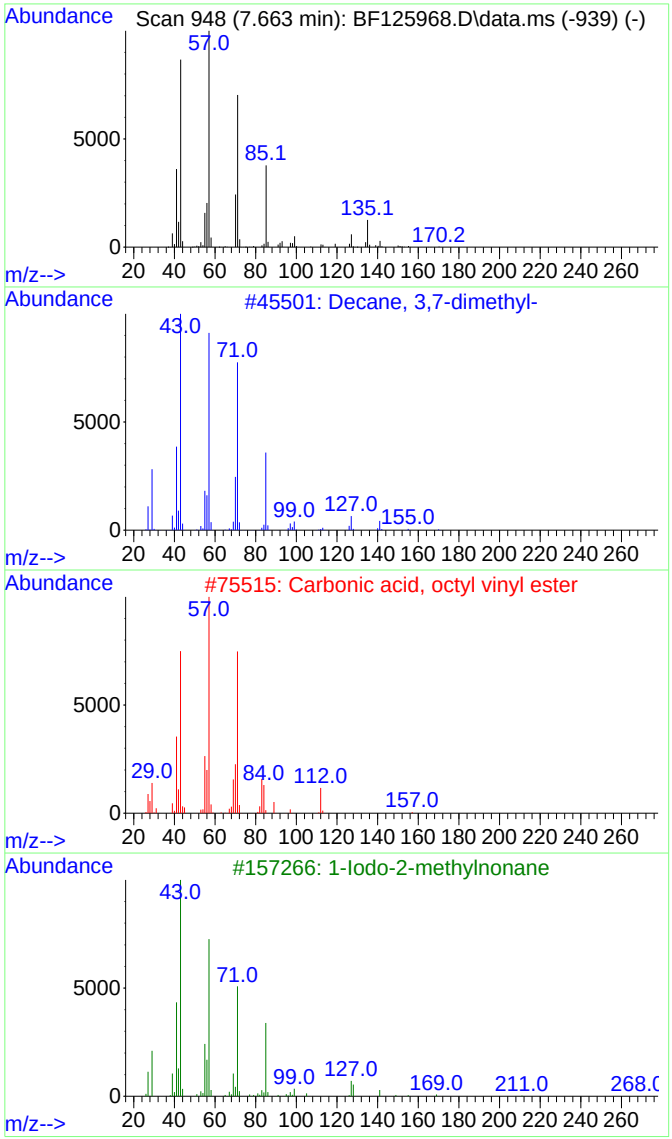
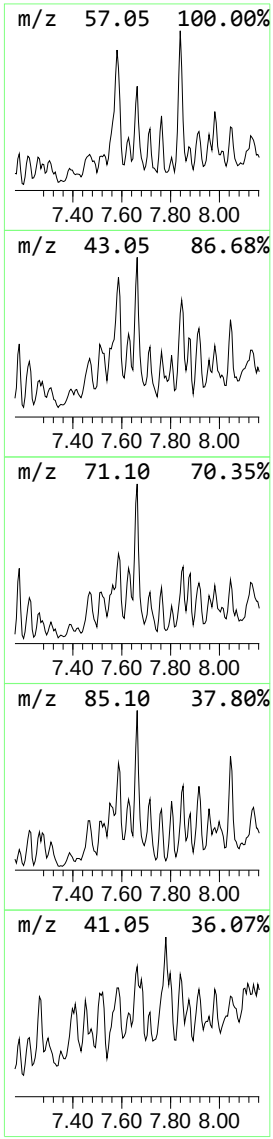
Peak Number 15 Decane, 3,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.663	35.21 ng	8760890	Naphthalene-d8	8.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	68
2	Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	59
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	59
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	59
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	59





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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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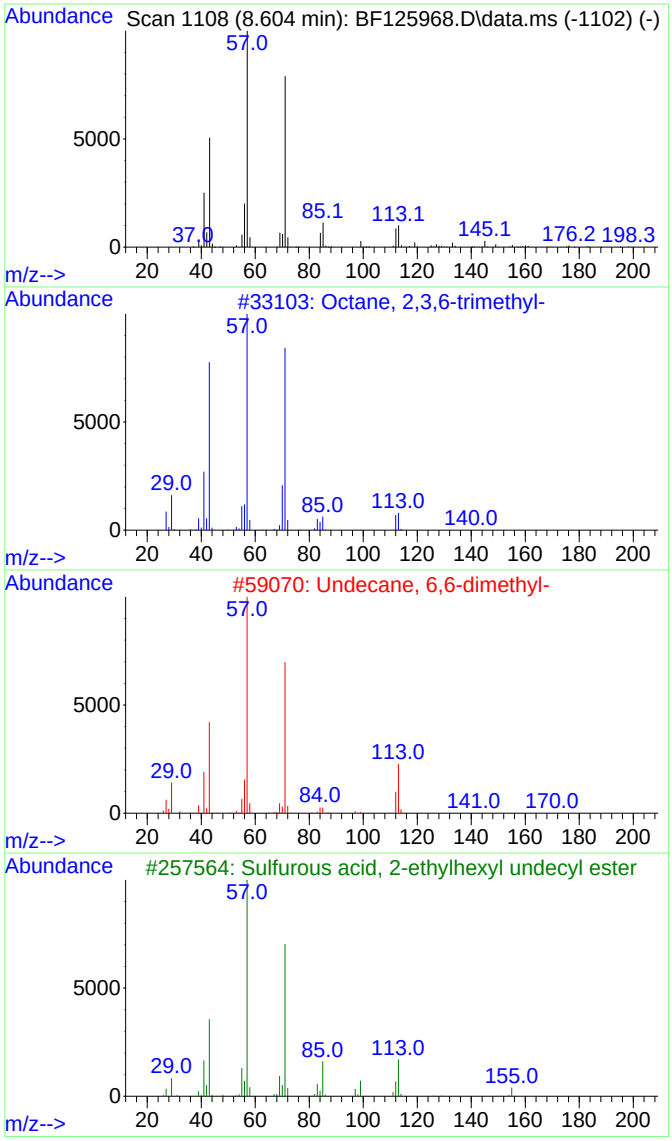
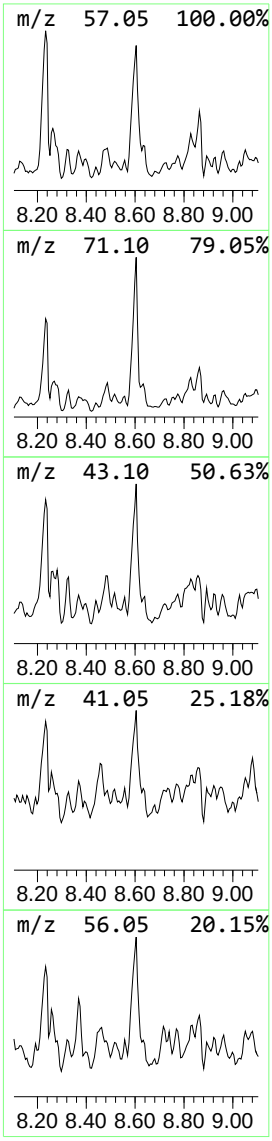
Peak Number 16 Octane, 2,3,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.604	58.75 ng	14617300	Naphthalene-d8	8.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
2	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
5	Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	64





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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

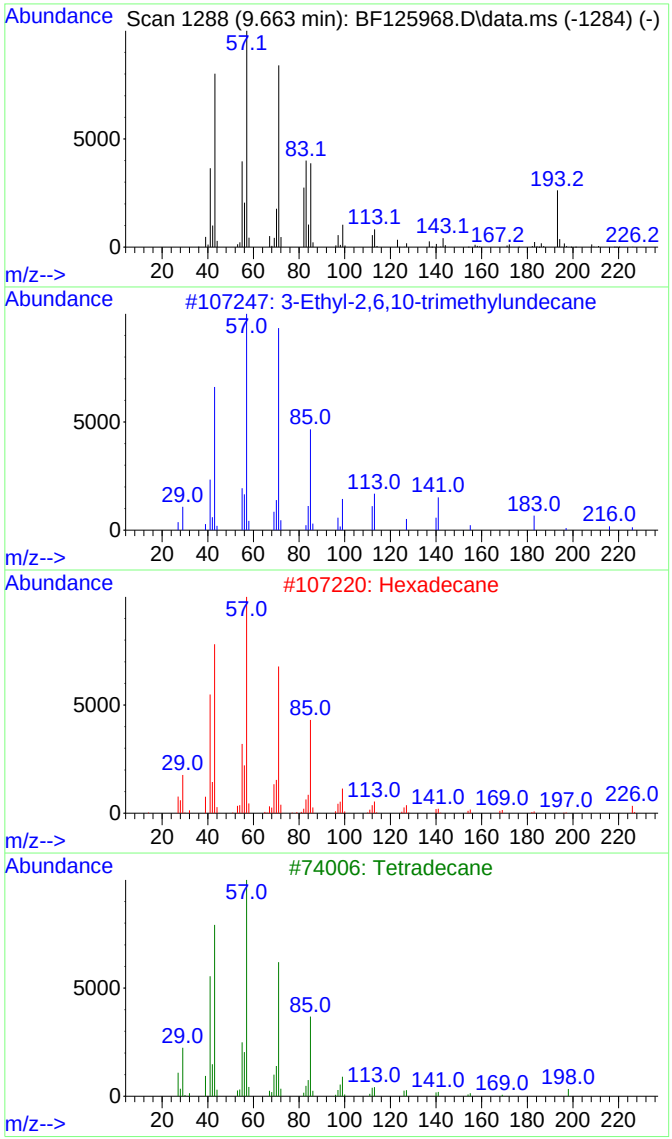
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

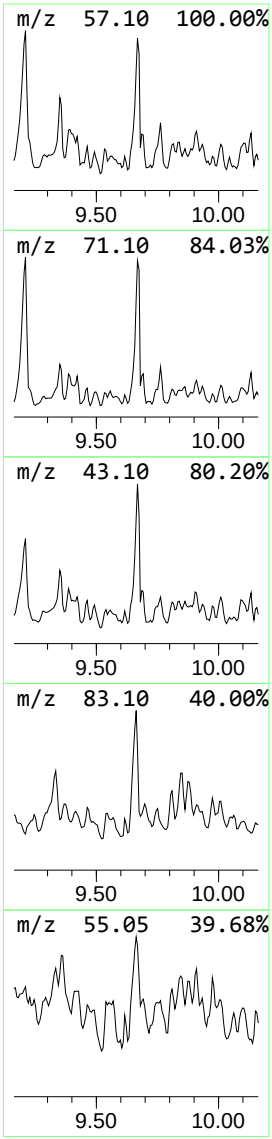
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 3-Ethyl-2,6,10-trimethylund... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.663	51.81 ng	10980600	Acenaphthene-d10	9.927

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	64
2	Hexadecane	226	C16H34	000544-76-3	52
3	Tetradecane	198	C14H30	000629-59-4	50
4	Decane, 5-propyl-	184	C13H28	017312-62-8	49
5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	47





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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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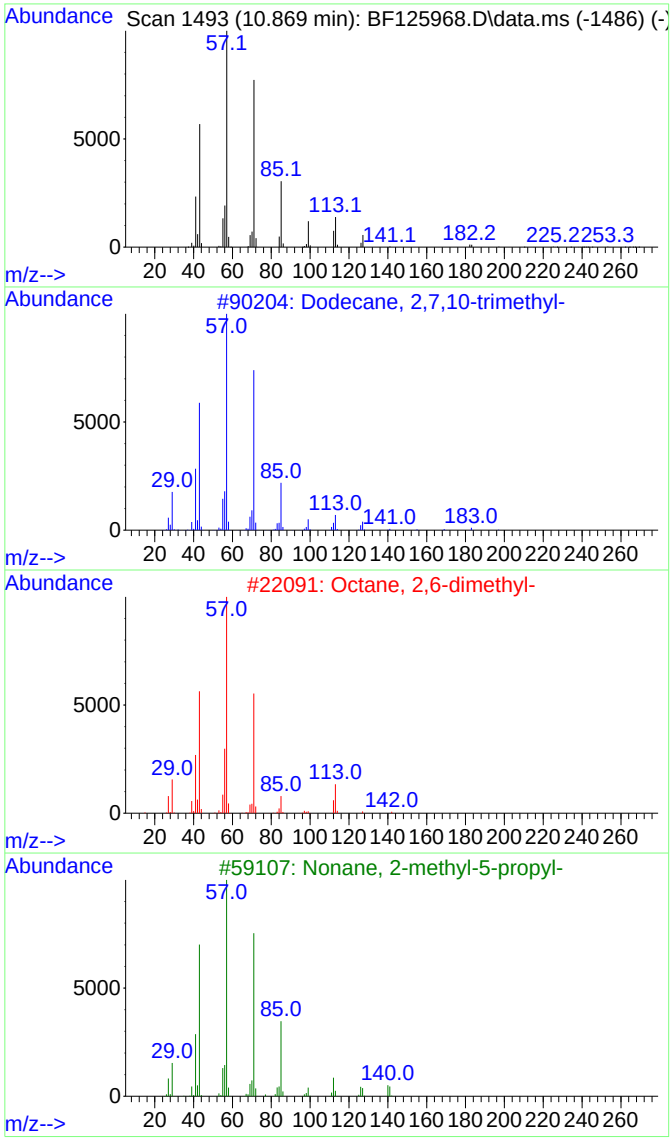
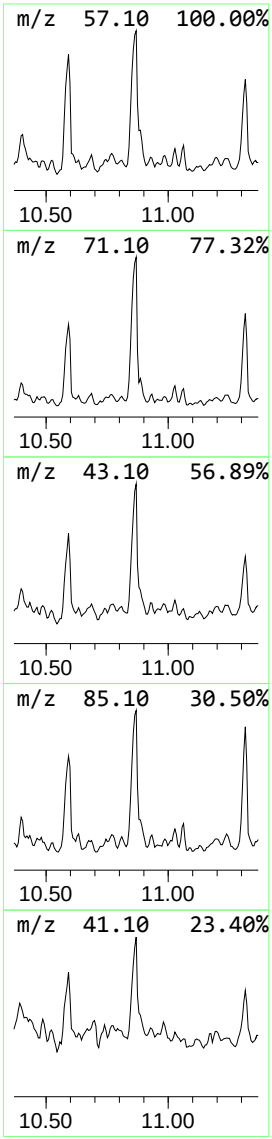
Peak Number 18 Dodecane, 2,7,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.869	130.79 ng	16112300	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50
5	Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	47





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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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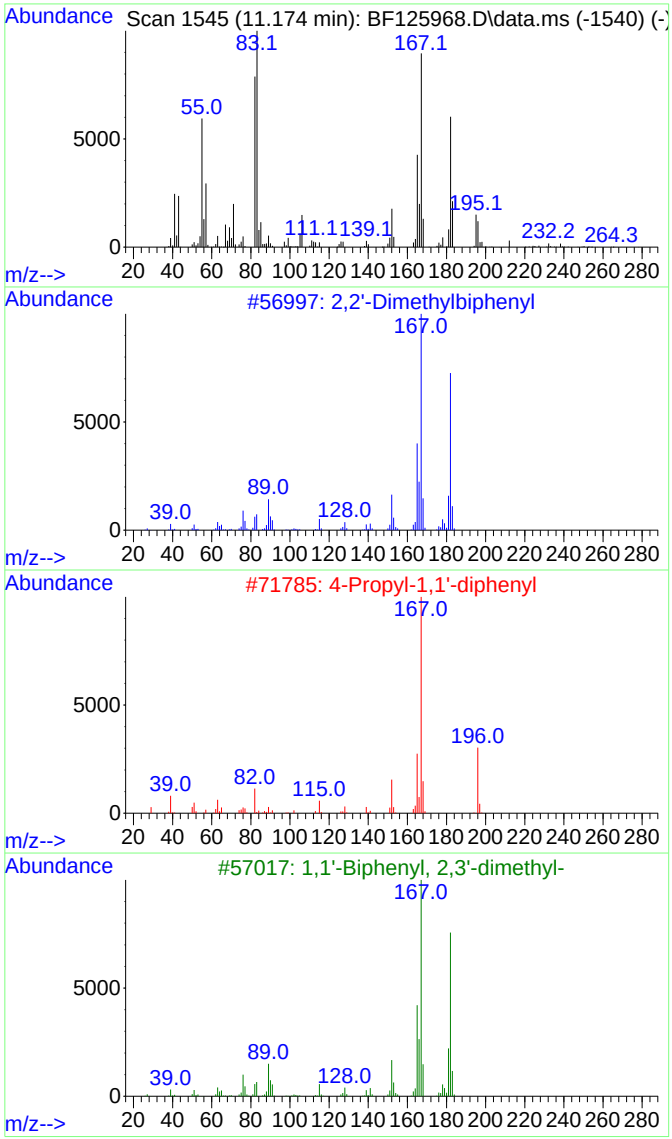
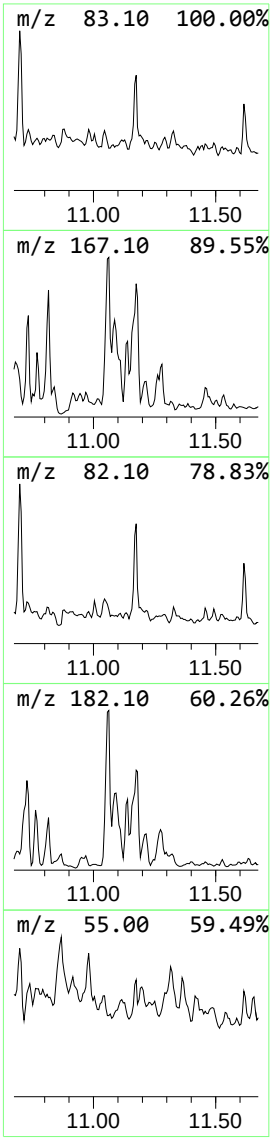
Peak Number 19 2,2'-Dimethylbiphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.174	39.39 ng	4852140	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	50
2	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	45
3	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	45
4	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	43
5	Benzene, 1-ethyl-3-(phenylmethyl)-	196	C15H16	028122-24-9	42





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Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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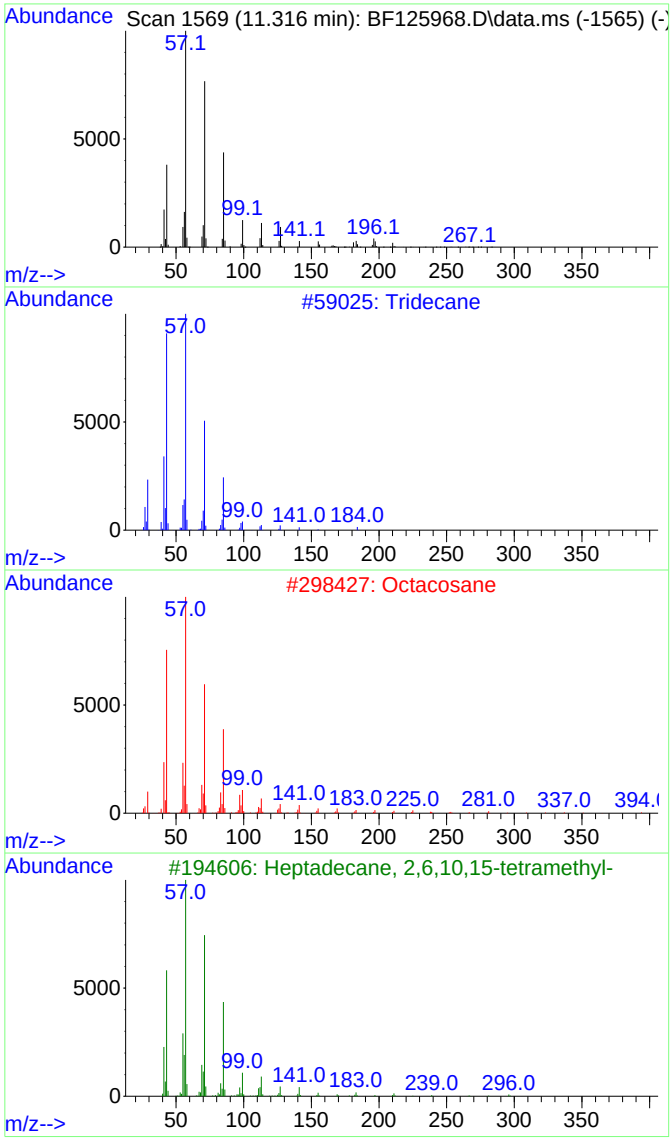
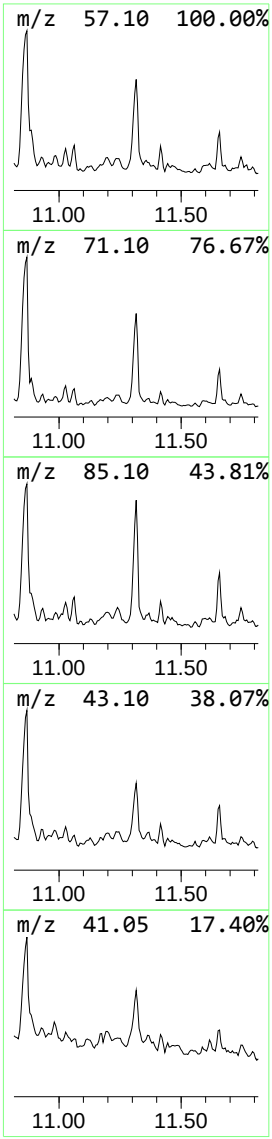
Peak Number 20 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.316	81.87 ng	10086700	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Octacosane	394	C28H58	000630-02-4	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
5	Decane, 3-methyl-	156	C11H24	013151-34-3	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125968.D
Acq On : 27 Oct 2021 17:40
Operator : JU/CG
Sample : M4372-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.128	56.5	ng	3896110	1	6.863	1379770	20.0
Succinic acid, ...	6.022	35.1	ng	2425160	1	6.863	1379770	20.0
unknown6.122	6.122	72.9	ng	5028090	1	6.863	1379770	20.0
Undecane, 5,6-d...	6.310	56.4	ng	3889870	1	6.863	1379770	20.0
Cyclohexane, 1,...	6.404	39.6	ng	2732360	1	6.863	1379770	20.0
Cyclohexane, 1-...	6.610	70.6	ng	4872000	1	6.863	1379770	20.0
Decane	6.810	47.9	ng	3304890	1	6.863	1379770	20.0
Dodecane, 2,6,1...	6.934	52.3	ng	3611130	1	6.863	1379770	20.0
Cyclohexane, bu...	7.022	67.7	ng	4669220	1	6.863	1379770	20.0
unknown7.104	7.104	35.4	ng	2444290	1	6.863	1379770	20.0
Hexane, 1-(hexy...	7.145	72.6	ng	5007250	1	6.863	1379770	20.0
Undecane, 3,8-d...	7.222	36.5	ng	2520640	1	6.863	1379770	20.0
Naphthalene, de...	7.269	76.6	ng	5283200	1	6.863	1379770	20.0
Heptane, 3-ethy...	7.581	42.8	ng	10642000	2	8.151	4976390	20.0
Decane, 3,7-dim...	7.663	35.2	ng	8760890	2	8.151	4976390	20.0
Octane, 2,3,6-t...	8.604	58.8	ng	14617300	2	8.151	4976390	20.0
3-Ethyl-2,6,10-...	9.663	51.8	ng	10980600	3	9.927	4238890	20.0
Dodecane, 2,7,1...	10.869	130.8	ng	16112300	4	11.404	2463950	20.0
2,2'-Dimethylbi...	11.174	39.4	ng	4852140	4	11.404	2463950	20.0
Tridecane	11.316	81.9	ng	10086700	4	11.404	2463950	20.0