LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057546.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.876	390	398	406	rBV	147397	252570	2.46%	0.352%
2	6.504	496	505	512	rBV	234255	359520	3.50%	0.501%
3	7.497	665	674	681	rBV2	147179	352460	3.43%	0.491%
4	7.756	706	718	724	rBV	133514	274512	2.67%	0.382%
5	7.820	724	729	733	rVV	199435	335761	3.27%	0.468%
6	7.867	733	737	745	rVV2	120580	225771	2.20%	0.315%
7	8.367	816	822	829	rVV4	128111	282422	2.75%	0.393%
8	8.502	835	845	852	rBV	5018813	10278758	100.00%	14.320%
9	8.584	852	859	865	rVV	2687780	4442083	43.22%	6.189%
10	8.989	923	928	938	rBV2	167723	442160	4.30%	0.616%
11	9.459	998	1008	1013	rBV3	150924	343113	3.34%	0.478%
12	9.559	1017	1025	1032	rVB4	299297	657547	6.40%	0.916%
13	9.818	1058	1069	1078	rVV4	81069	251967	2.45%	0.351%
14	9.988	1093	1098	1104	rVV2	175451	345311	3.36%	0.481%
15	10.053	1104	1109	1113	rVV	225089	386522	3.76%	0.538%
16	10.099	1113	1117	1125	rVB2	152889	269313	2.62%	0.375%
17	10.252	1131	1143	1144	rBV3	104847	260406	2.53%	0.363%
18	10.287	1145	1149	1156	rVV2	181546	350870	3.41%	0.489%
19	10.358	1156	1161	1166	rVV2	248067	487333	4.74%	0.679%
20	10.423	1168	1172	1178	rVV4	200130	400451	3.90%	0.558%
21	10.534	1185	1191	1194	rVV2	424625	877013	8.53%	1.222%
22	10.575	1194	1198	1203	rVV3	464224	884593	8.61%	1.232%
23	10.628	1203	1207	1211	rVV2	193843	338647	3.29%	0.472%
24	10.675	1211	1215	1218	rVV	143926	217470	2.12%	0.303%
25	10.716	1218	1222	1225	rVV3	150566	284921	2.77%	0.397%
26	10.752	1225	1228	1234	rVB	169977	269521	2.62%	0.375%
27	10.869	1243	1248	1256	rVB	318778	582921	5.67%	0.812%
28	11.122	1285	1291	1295	rBV	306819	561458	5.46%	0.782%
29	11.210	1300	1306	1308	rVV2	383010	703353	6.84%	0.980%
30	11.245	1308	1312	1318	rVV2	689354	1290877	12.56%	1.798%
31	11.310	1318	1323	1329	rVB	593609	1038963	10.11%	1.447%
32	11.386	1329	1336	1342	rBV2	377337	764251	7.44%	1.065%
33	11.580	1365	1369	1376	rVB2	108776	253341	2.46%	0.353%
34	11.868	1410	1418	1422	rVV4	318951	705768	6.87%	0.983%
35	11.979	1433	1437	1446	rBV6	157074	330378	3.21%	0.460%
36	12.056	1446	1450	1453	rBV	336771	519949	5.06%	0.724%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.091	1453	1456	1462	rVB2	373486	570122	5.55%	0.794%
38	12.161	1462	1468	1473	rBV	786877	1283166	12.48%	1.788%
39	12.273	1481	1487	1497	rVB3	263462	611792	5.95%	0.852%
40	12.361	1497	1502	1506	rBV2	205475	353267	3.44%	0.492%
41	12.490	1519	1524	1529	rVB	249239	367729	3.58%	0.512%
42	12.549	1529	1534	1539	rBV2	482009	736484	7.17%	1.026%
43	12.761	1564	1570	1575	rVB3	204646	430427	4.19%	0.600%
44	12.831	1575	1582	1589	rVB	1706128	2912355	28.33%	4.057%
45	12.954	1598	1603	1610	rBV3	176499	381187	3.71%	0.531%
46	13.048	1611	1619	1625	rVB	1087075	1836819	17.87%	2.559%
47	13.166	1634	1639	1642	rBV	198613	332969	3.24%	0.464%
48	13.242	1648	1652	1655	rBV	145530	207972	2.02%	0.290%
49	13.336	1663	1668	1677	rVB	334571	542794	5.28%	0.756%
50	13.424	1679	1683	1687	rVB	244470	320506	3.12%	0.447%
51	13.477	1687	1692	1699	rBV	628182	881664	8.58%	1.228%
52	13.595	1708	1712	1717	rVB	269002	404929	3.94%	0.564%
53	13.759	1735	1740	1746	rVV	306272	573393	5.58%	0.799%
54	13.906	1761	1765	1772	rVB3	154918	275877	2.68%	0.384%
55	14.006	1777	1782	1790	rVB	266211	467331	4.55%	0.651%
56	14.153	1799	1807	1813	rVB2	526012	1387447	13.50%	1.933%
57	14.300	1825	1832	1837	rVV	873676	1787589	17.39%	2.490%
58	14.353	1837	1841	1844	rVV	459897	673489	6.55%	0.938%
59	14.405	1844	1850	1855	rVV4	434025	849660	8.27%	1.184%
60	14.447	1855	1857	1864	rVB2	162371	240328	2.34%	0.335%
61	14.529	1865	1871	1875	rBV2	401093	656102	6.38%	0.914%
62	14.693	1895	1899	1905	rVB	244671	409262	3.98%	0.570%
63	14.817	1917	1920	1928	rVB	189256	237463	2.31%	0.331%
64	14.963	1940	1945	1950	rVB2	855000	1232389	11.99%	1.717%
65	15.022	1950	1955	1962	rVB5	200121	337599	3.28%	0.470%
66	15.163	1974	1979	1982	rBV2	149922	291998	2.84%	0.407%
67	15.351	2007	2011	2019	rVB	242138	407119	3.96%	0.567%
68	15.428	2019	2024	2032	rVB3	285567	515813	5.02%	0.719%
69	15.574	2043	2049	2054	rBV2	188445	393048	3.82%	0.548%
70	15.757	2070	2080	2087	rBV3	217195	607085	5.91%	0.846%
71	16.162	2143	2149	2153	rVB4	159614	315935	3.07%	0.440%
72	16.450	2194	2198	2204	rVB2	218230	334597	3.26%	0.466%
73	16.620	2222	2227	2228	rBV	150575	205697	2.00%	0.287%
74	16.644	2228	2231	2233	rVV	206525	307230	2.99%	0.428%
75	16.667	2233	2235	2245	rVB2	219201	301179	2.93%	0.420%
76	16.761	2245	2251	2255	rBV2	368590	591215	5.75%	0.824%

LSC Area Percent Report

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Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	16.814	2255	2260	2267	rVB2	328709	657896	6.40%	0.917%
78	16.879	2267	2271	2275	rBV	374391	501813	4.88%	0.699%
79	16.926	2275	2279	2283	rBV	209747	260839	2.54%	0.363%
80	17.084	2299	2306	2311	rBV4	264112	517895	5.04%	0.722%
81	17.143	2312	2316	2320	rBV	293877	402940	3.92%	0.561%
82	17.219	2326	2329	2340	rVB3	170082	285881	2.78%	0.398%
83	17.460	2366	2370	2374	rVV2	205154	288315	2.80%	0.402%
84	17.713	2409	2413	2417	rBV	234139	337989	3.29%	0.471%
85	17.942	2449	2452	2462	rBV6	96404	239657	2.33%	0.334%
86	18.147	2483	2487	2493	rBV	245475	382975	3.73%	0.534%
87	18.424	2531	2534	2543	rBV3	183374	393360	3.83%	0.548%
88	18.829	2601	2603	2608	rVB	213895	268795	2.62%	0.374%
89	19.076	2642	2645	2650	rBV4	146531	261280	2.54%	0.364%
90	19.287	2677	2681	2687	rBV	264062	425675	4.14%	0.593%
91	19.452	2706	2709	2714	rBV	277840	394909	3.84%	0.550%
92	19.669	2743	2746	2751	rBV	207791	290186	2.82%	0.404%
93	20.280	2848	2850	2855	rVB	524511	654264	6.37%	0.912%
94	20.397	2865	2870	2876	rBV4	791150	1950530	18.98%	2.717%
95	20.456	2878	2880	2884	rVV	668878	836748	8.14%	1.166%
96	20.497	2885	2887	2892	rVB2	386308	425295	4.14%	0.593%
97	20.656	2911	2914	2919	rBV	689454	888424	8.64%	1.238%
98	20.726	2923	2926	2932	rVB3	480338	738731	7.19%	1.029%
99	21.320	3022	3027	3032	rVB2	1839322	2695398	26.22%	3.755%
100	21.848	3113	3117	3123	rVB	968410	1483659	14.43%	2.067%

Sum of corrected areas: 71778755

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
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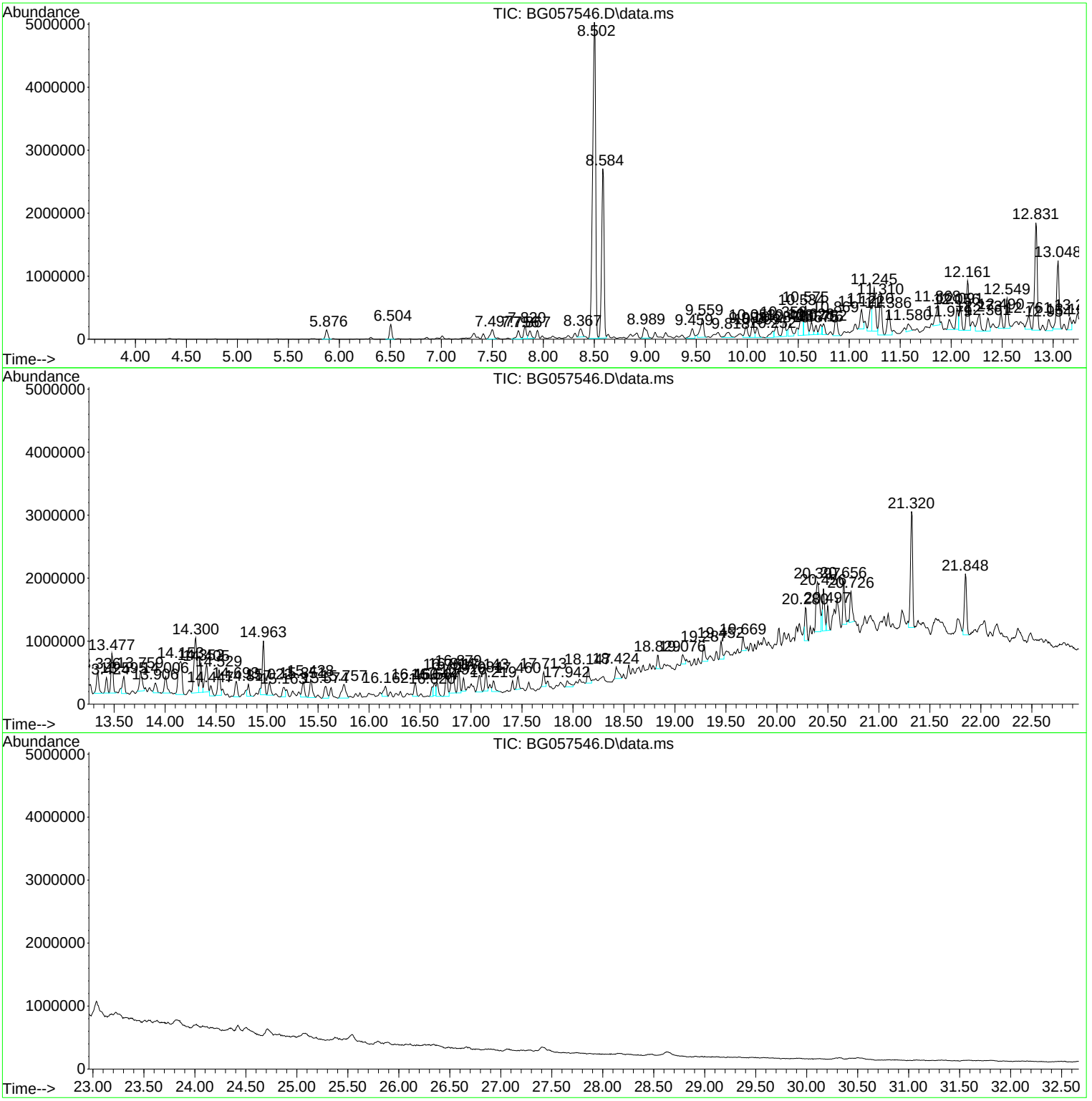
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
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Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

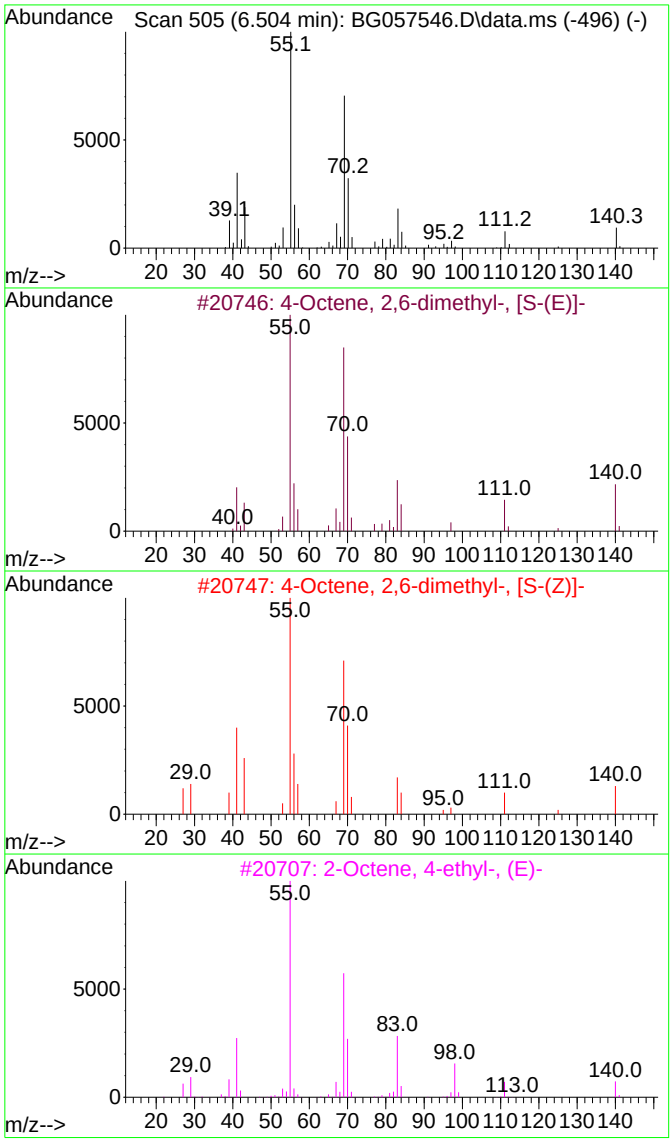
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

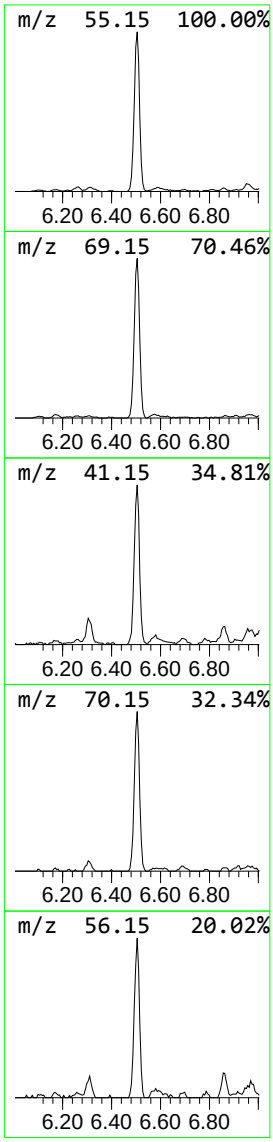
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.504	25.46 ng	359520	1,4-Dichlorobenzene-d4	8.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	95
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	91
3	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	64
4	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	58
5	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
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Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

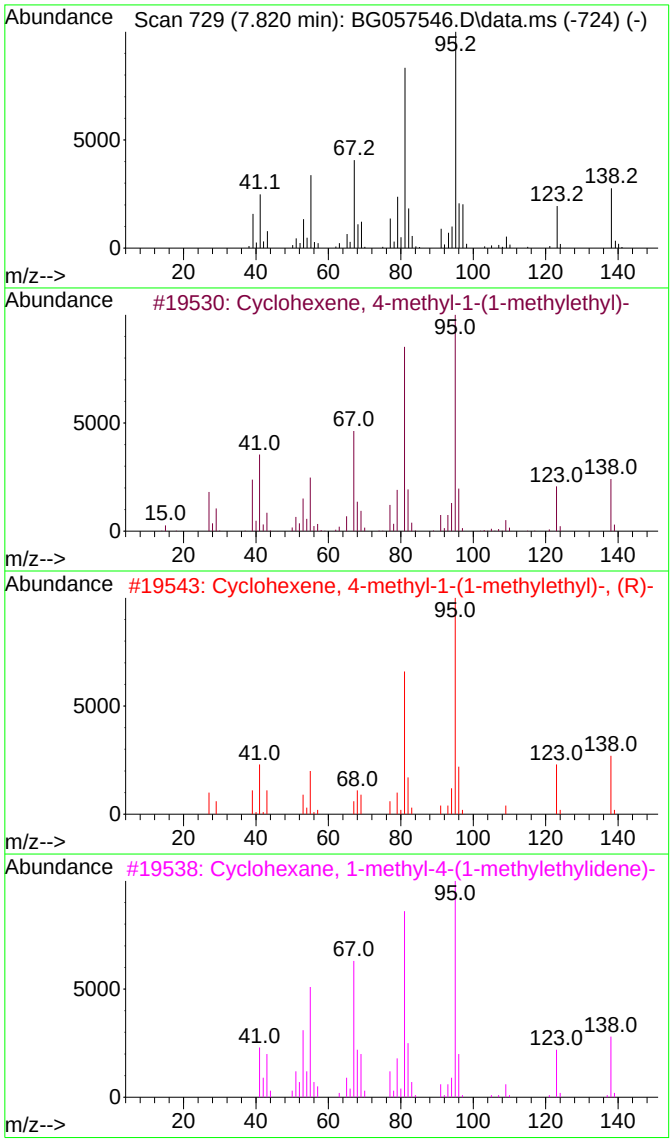
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

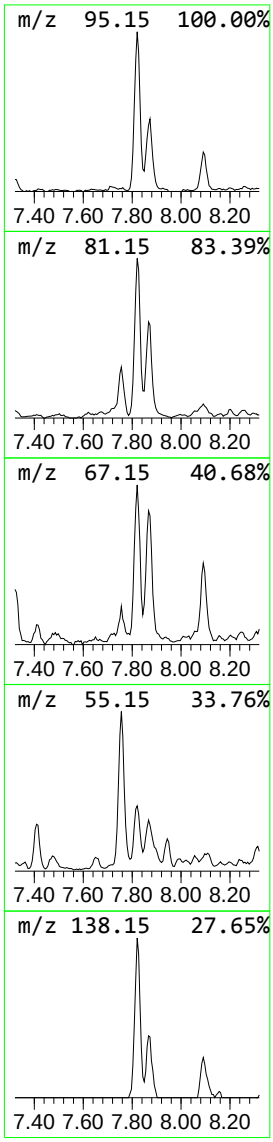
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.820	23.78 ng	335761	1,4-Dichlorobenzene-d4	8.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	97
2	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000619-52-3	87
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	76
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	60
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
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Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

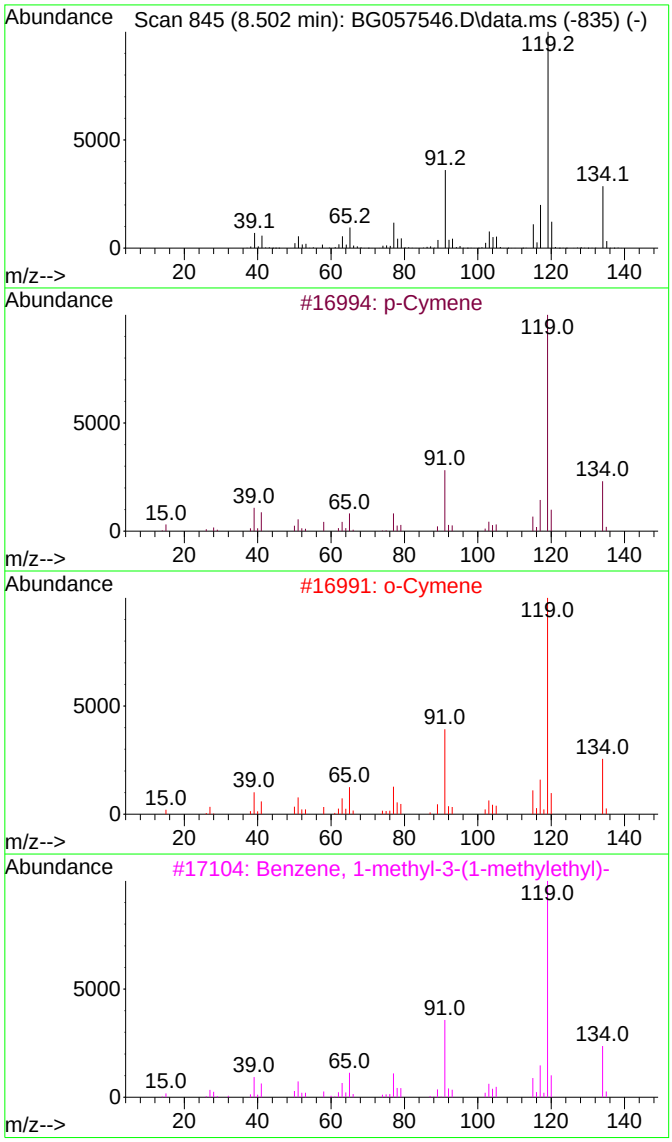
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

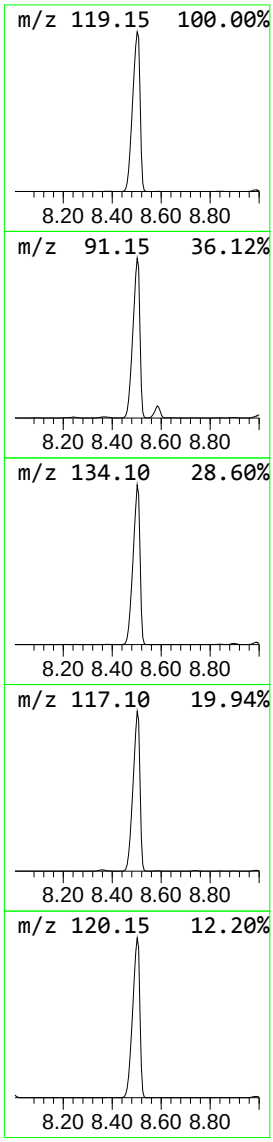
****

Peak Number 3 p-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.502	727.90 ng	10278800	1,4-Dichlorobenzene-d4	8.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	96
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

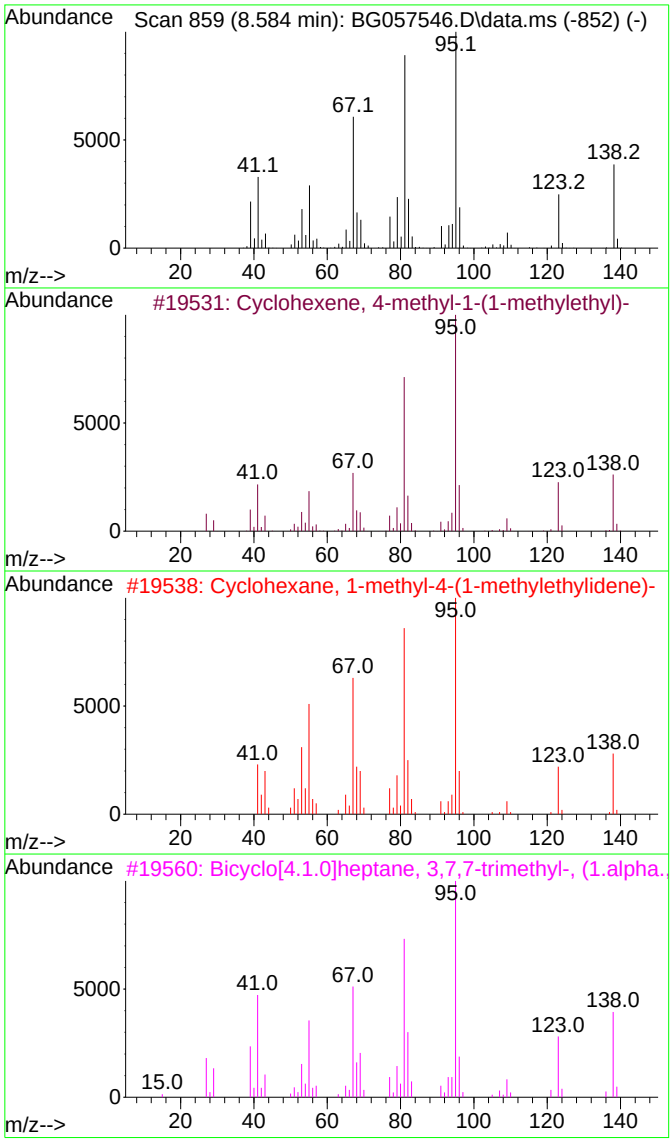
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

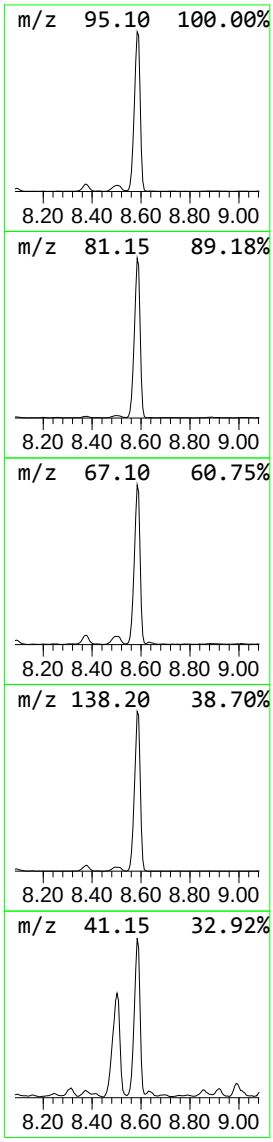
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.584	314.57 ng	4442080	1,4-Dichlorobenzene-d4	8.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	96
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	94
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	87
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	87
5	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

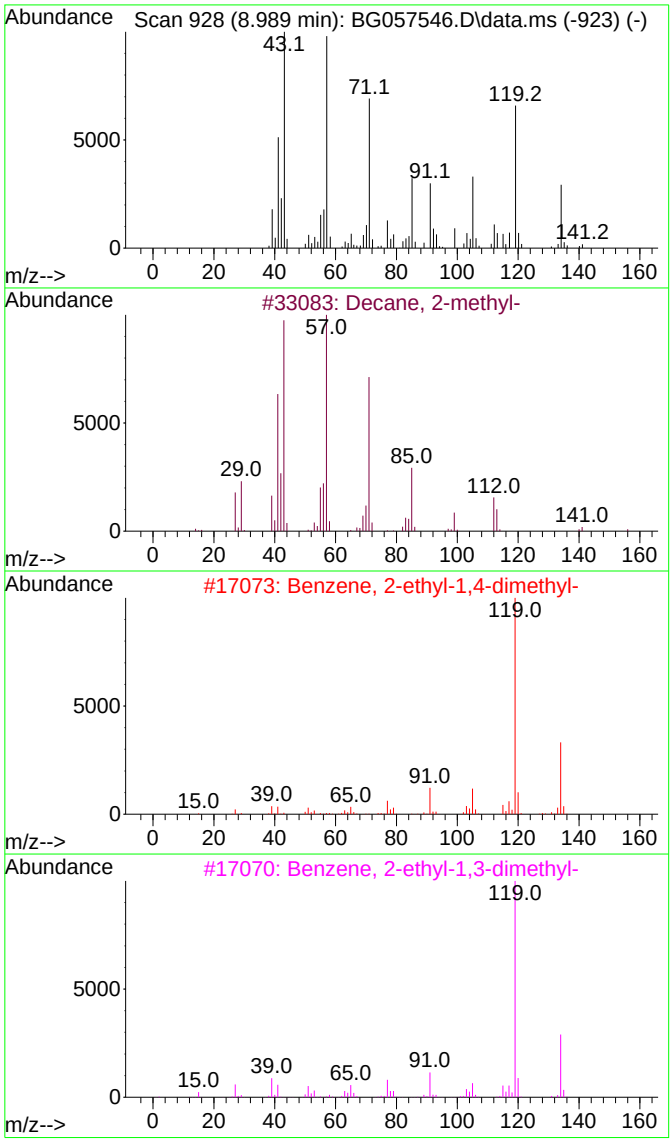
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

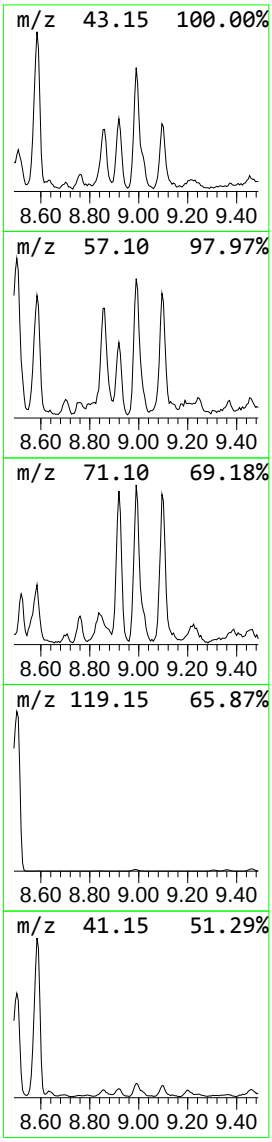
****

Peak Number 5 unknown8.989 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.989	31.31 ng	442160	1,4-Dichlorobenzene-d4	8.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	46
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	35
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	35
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	35





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Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

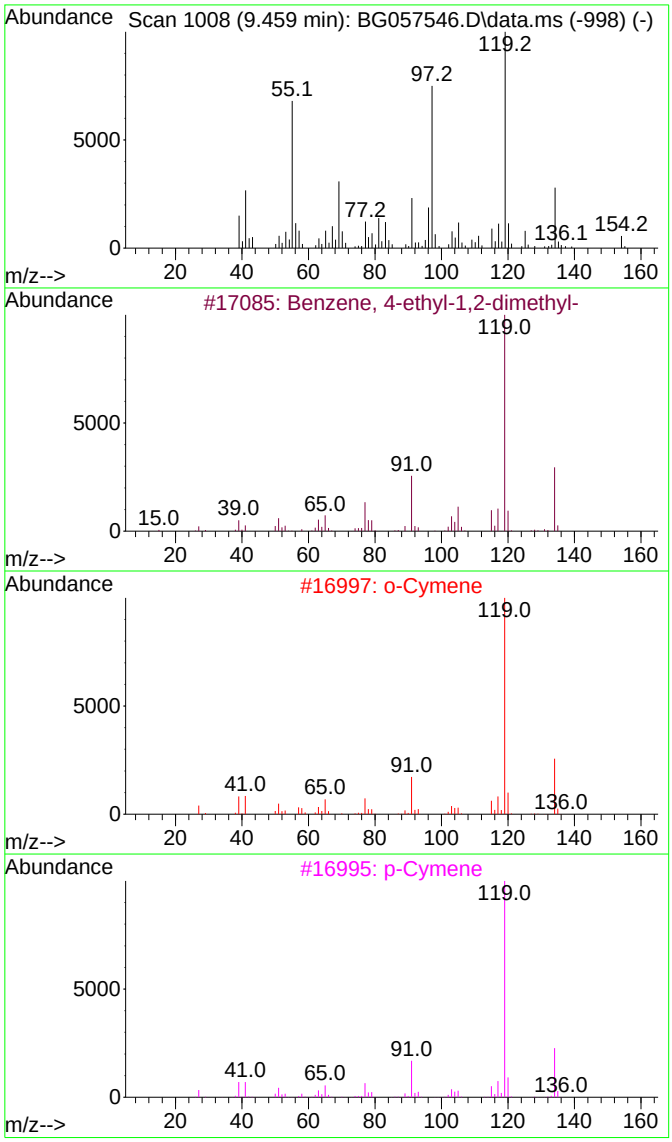
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

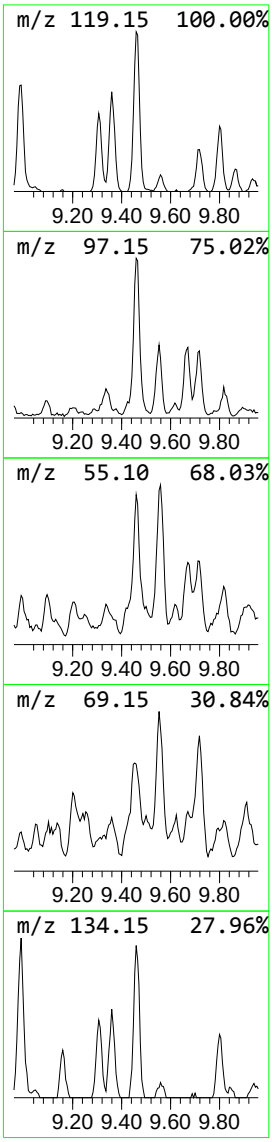
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.459	24.30 ng	343113	1,4-Dichlorobenzene-d4	8.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	o-Cymene	134	C10H14	000527-84-4	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





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Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

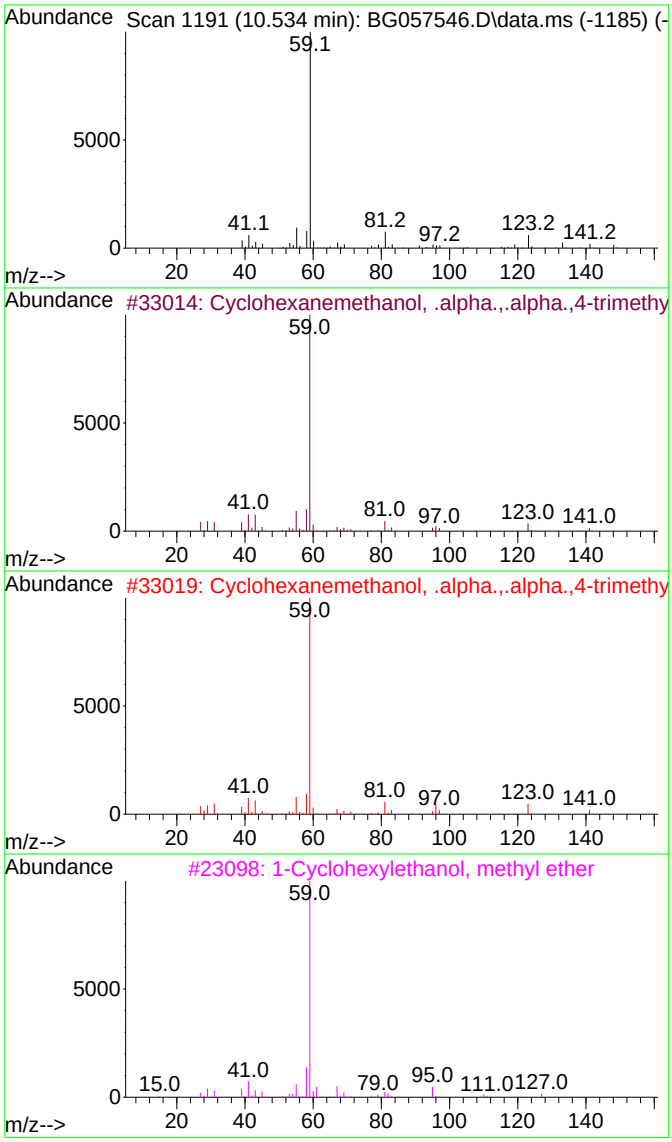
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

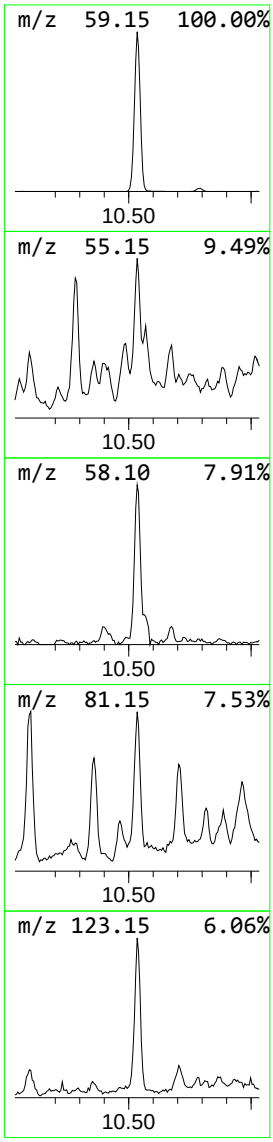
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexanemethanol, .alpha... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.534	24.94 ng	877013	Naphthalene-d8	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	72
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	72
3	1-Cyclohexylethanol, methyl ether	142	C9H18O	1000365-12-8	64
4	2,3-Dimethyl-4-penten-2-ol	114	C7H14O	019781-52-3	50
5	o-Menthan-8-ol	156	C10H20O	343855-44-7	39





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

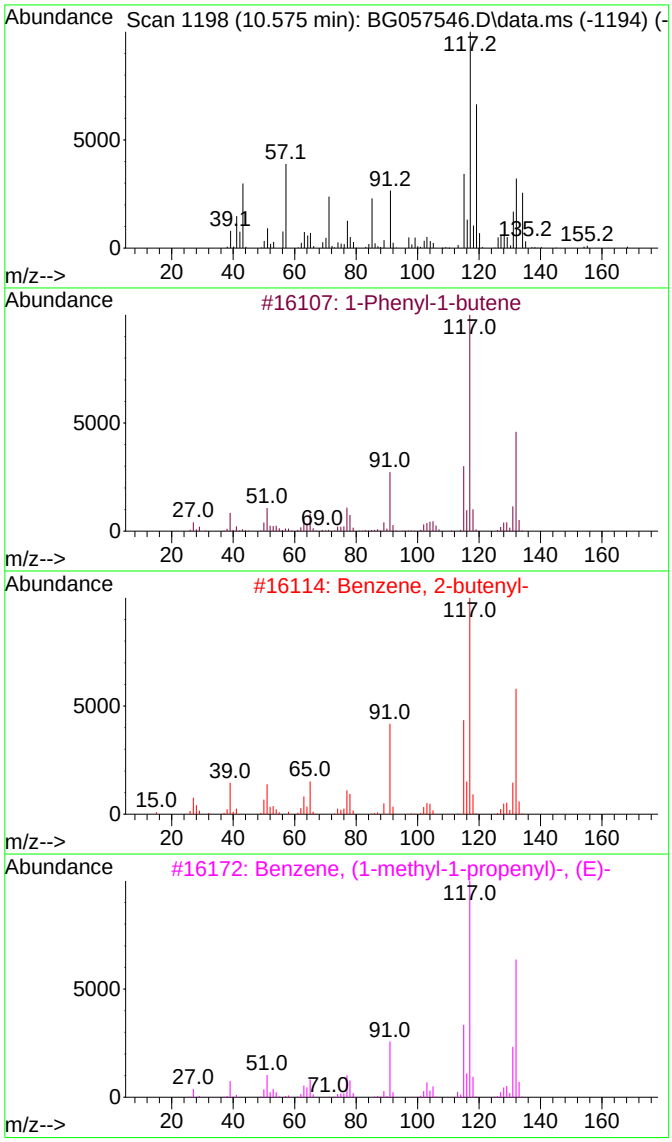
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

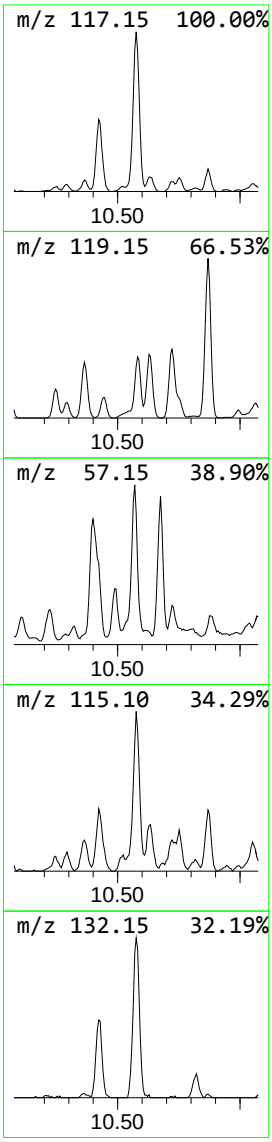
****

Peak Number 8 1-Phenyl-1-butene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.575	25.15 ng	884593	Naphthalene-d8	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

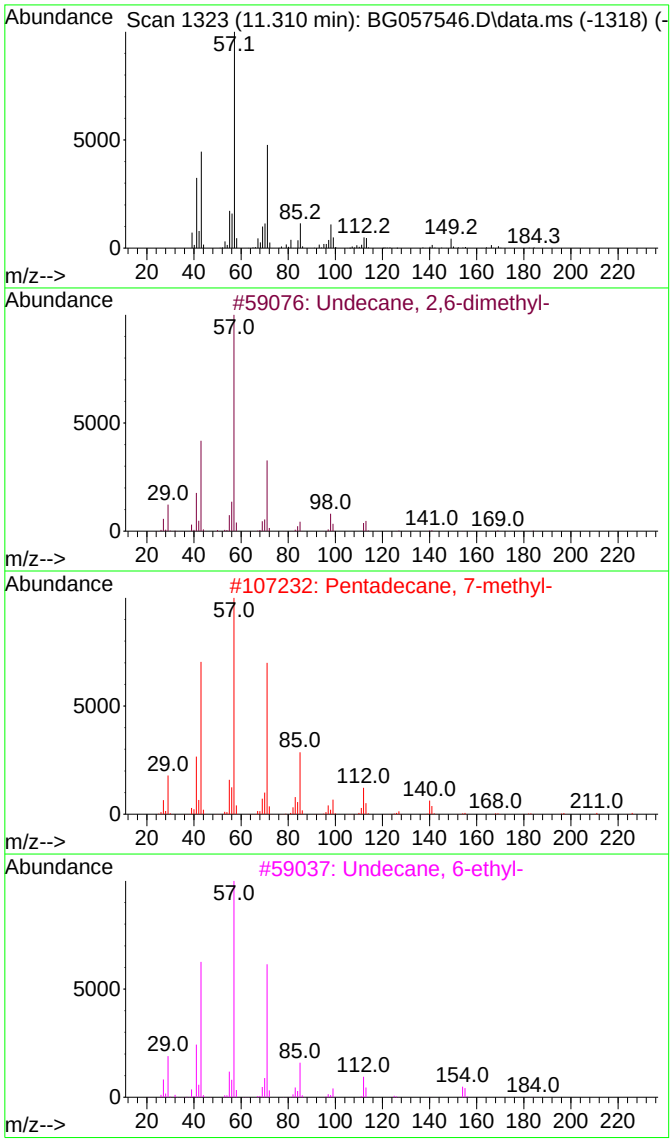
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

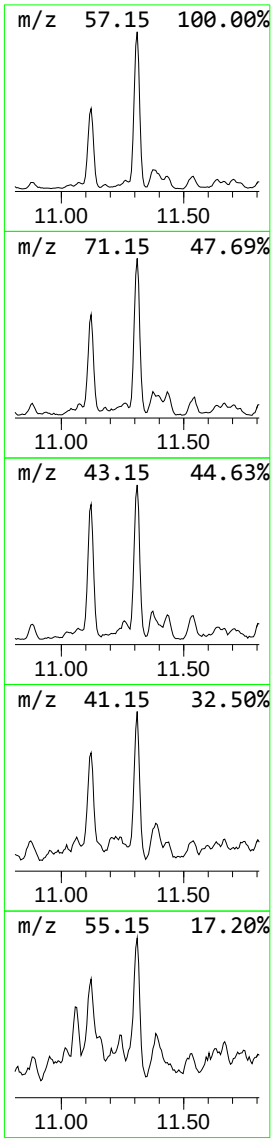
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	29.54 ng	1038960	Naphthalene-d8	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

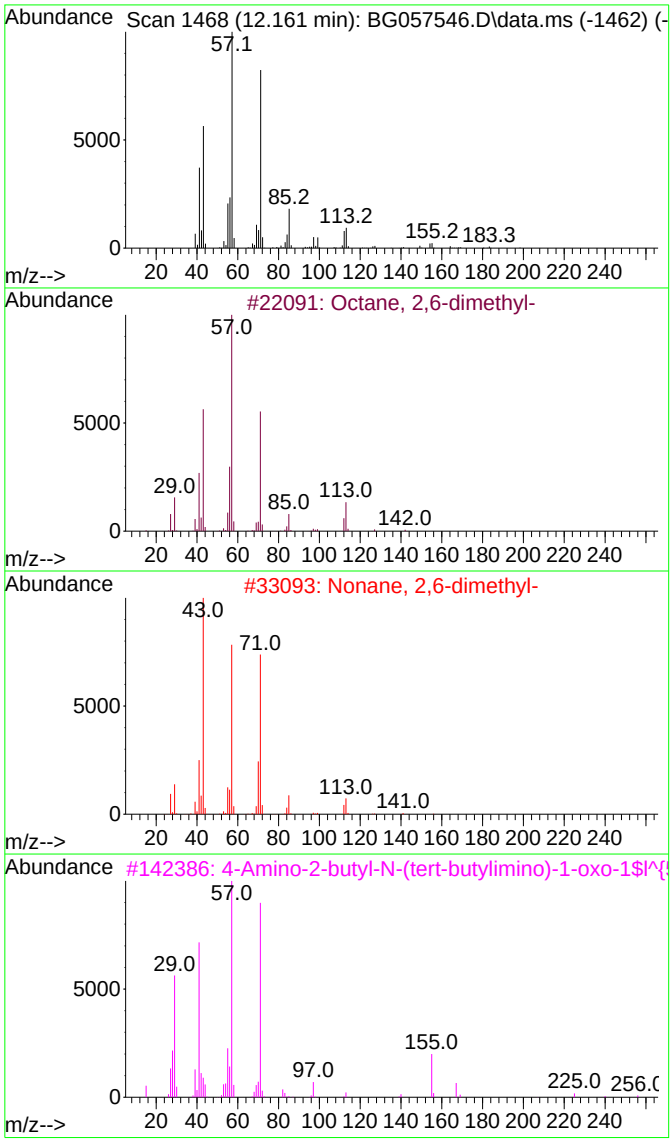
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

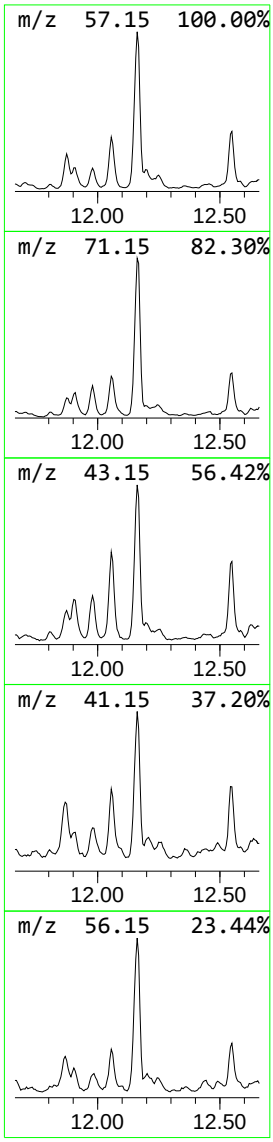
****

Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.161	36.49 ng	1283170	Naphthalene-d8	11.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
3	4-Amino-2-butyl-N-(tert-butylimi...	256	C10H20N6O2	1010411-43-7	53
4	Sulfurous acid, 2-pentyl undecyl...	306	C16H34O3S	1000309-16-0	53
5	2-Nonanol, 2-methylpropionate	214	C13H26O2	069121-76-2	53





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

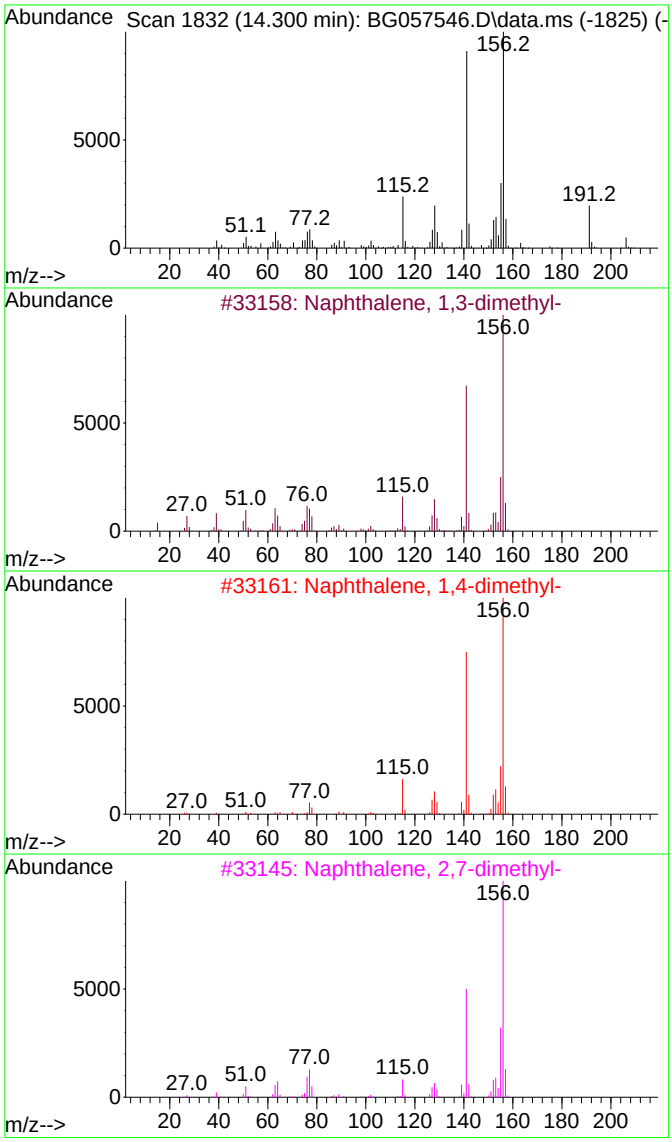
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

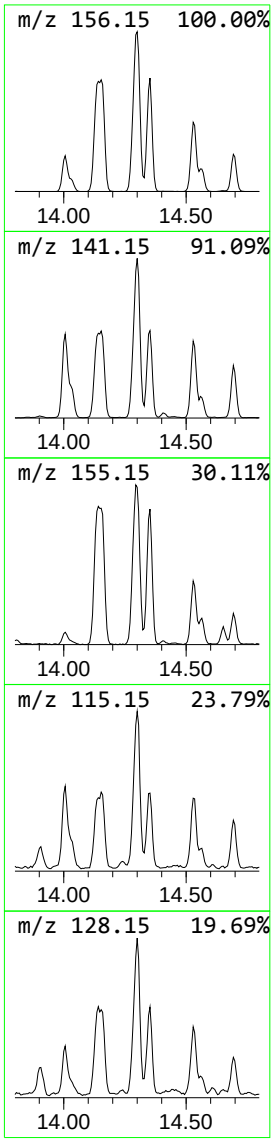
****

Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.300	29.01 ng	1787590	Acenaphthene-d10	14.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OILY-SOLIDS-0523

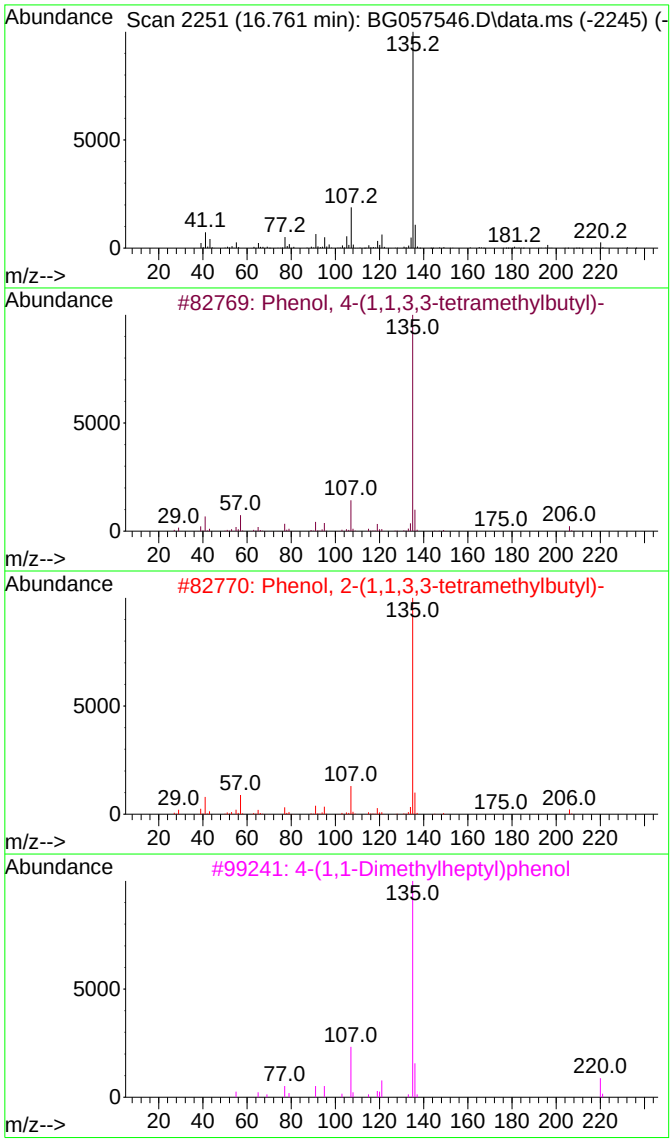
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

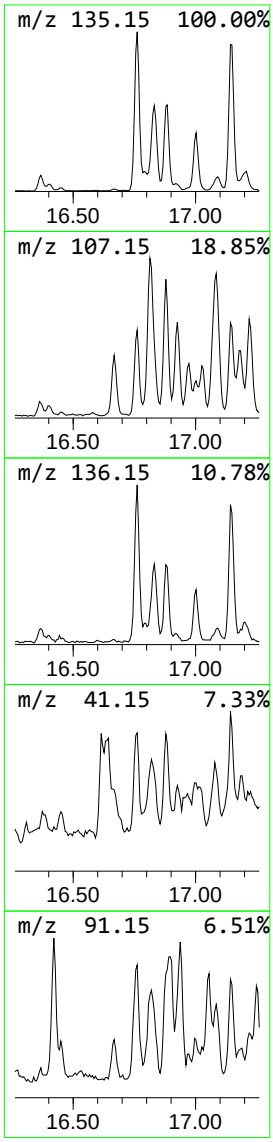
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.761	34.98 ng	591215	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	86
2	Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	78
3	4-(1,1-Dimethylheptyl)phenol	220	C15H24O	1000384-80-3	78
4	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	78
5	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	72





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Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OILY-SOLIDS-0523

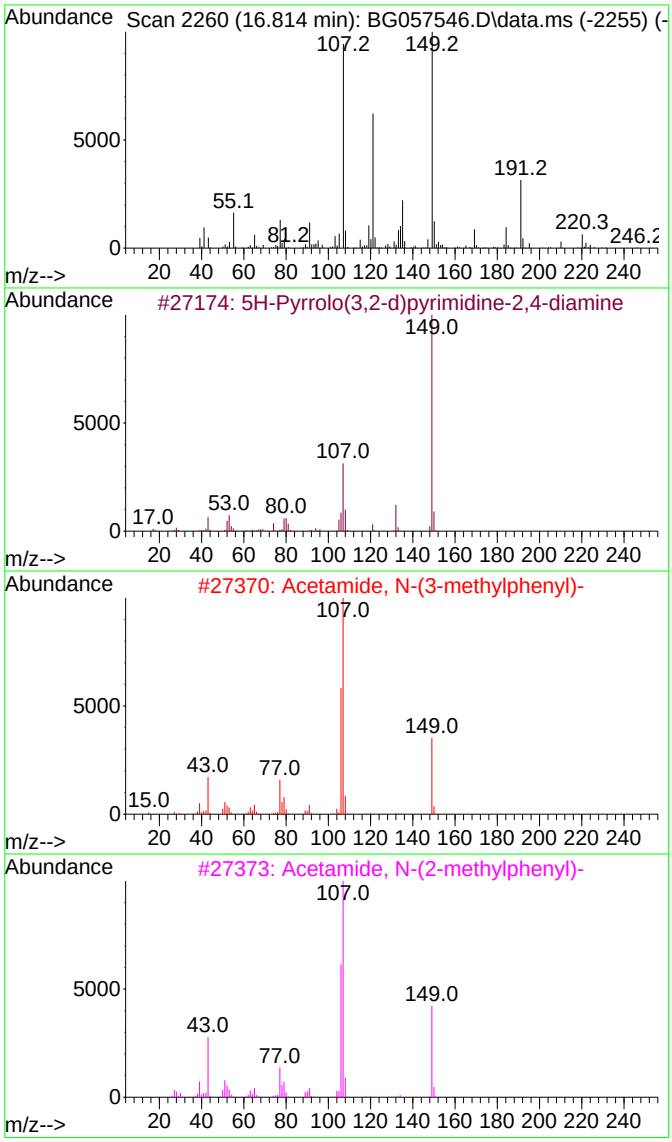
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

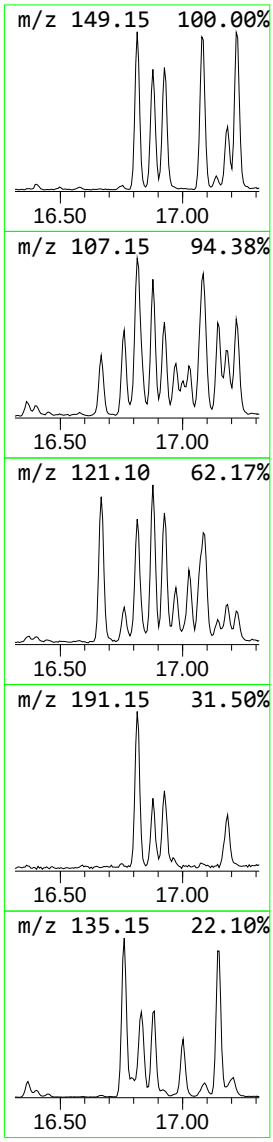
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5H-Pyrrolo(3,2-d)pyrimidine... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.814	38.93 ng	657896	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Pyrrolo(3,2-d)pyrimidine-2,4-...	149	C6H7N5	1000244-21-4	53
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
3	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	38
4	Phthalic acid, phenyl propyl ester	284	C17H16O4	1000314-86-9	35
5	Phthalic acid, 2-methylphenyl pr...	298	C18H18O4	1000314-95-1	35





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Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

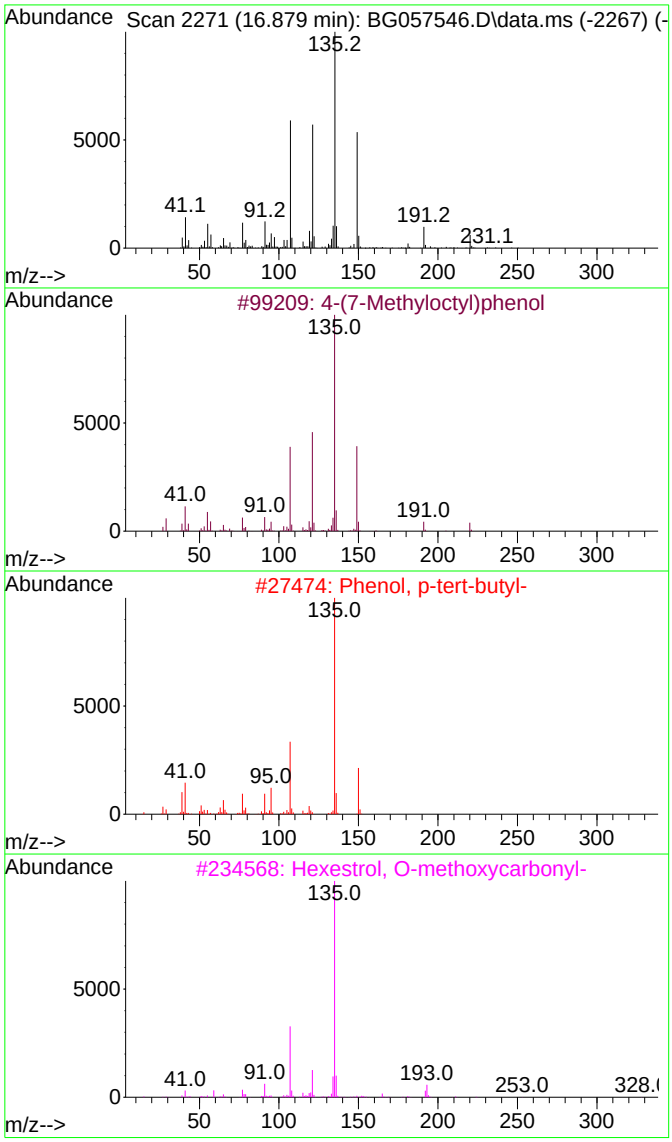
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

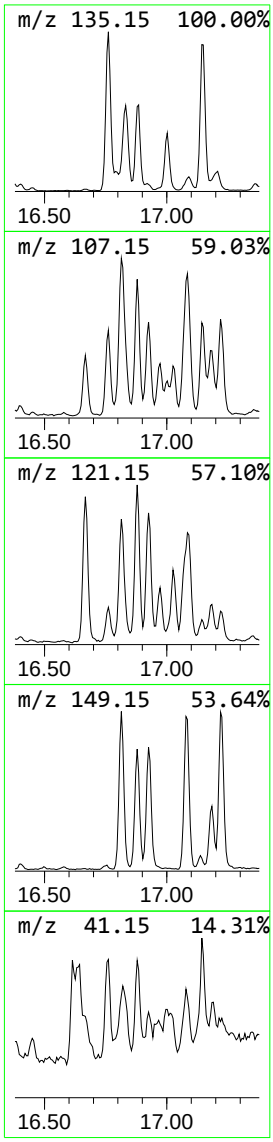
****

Peak Number 14 4-(7-Methyloctyl)phenol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.879	29.69 ng	501813	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	96
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	58
3	Hexestrol, O-methoxycarbonyl-	328	C20H24O4	1000487-66-3	53
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	52
5	Hexestrol	270	C18H22O2	000084-16-2	50





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

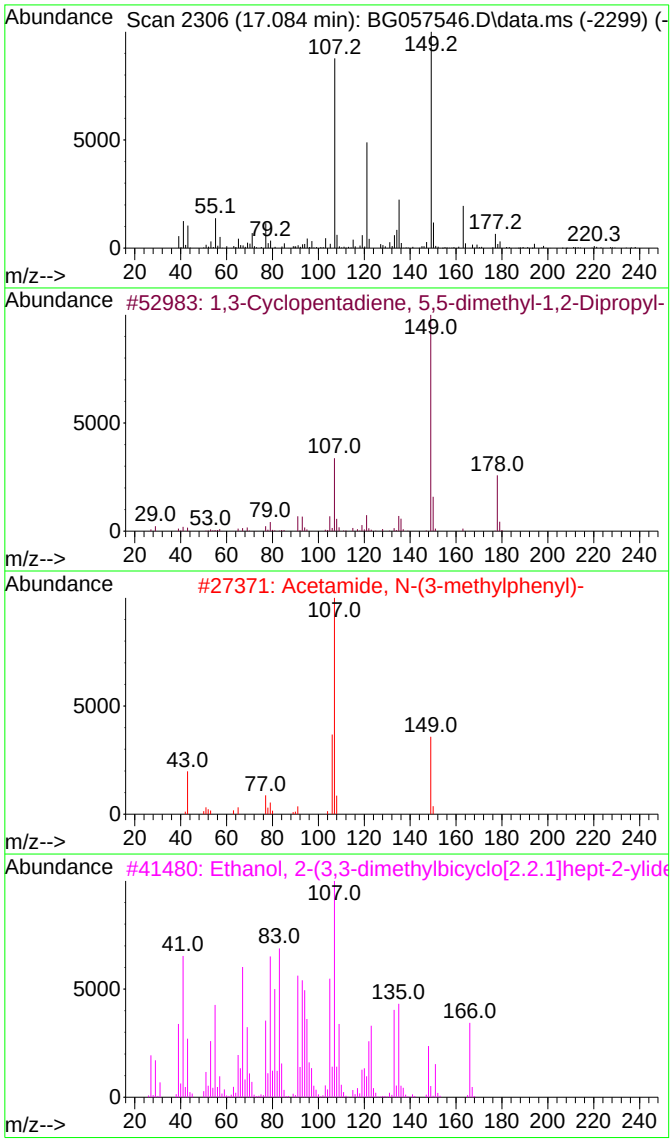
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

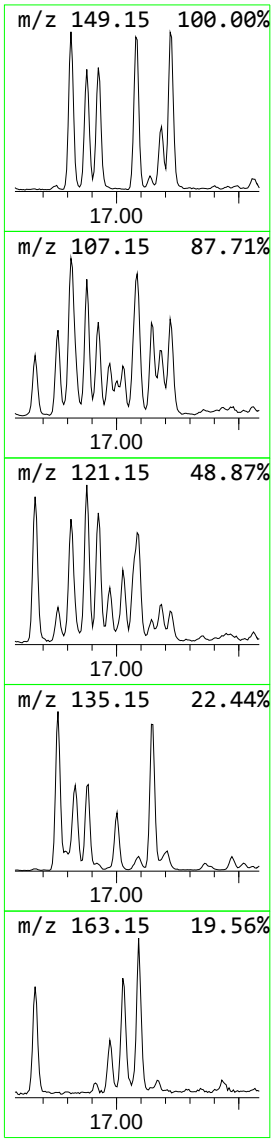
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,3-Cyclopentadiene, 5,5-di... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.084	30.65 ng	517895	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5,5-dimethy...	178	C13H22	1000163-88-0	59
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	58
3	Ethanol, 2-(3,3-dimethylbicyclo[...	166	C11H18O	002226-05-3	30
4	4-(p-Acetoxyphenyl)-2-butanone	206	C12H14O3	003572-06-3	30
5	Phenol, 2-butyl-	150	C10H14O	003180-09-4	27





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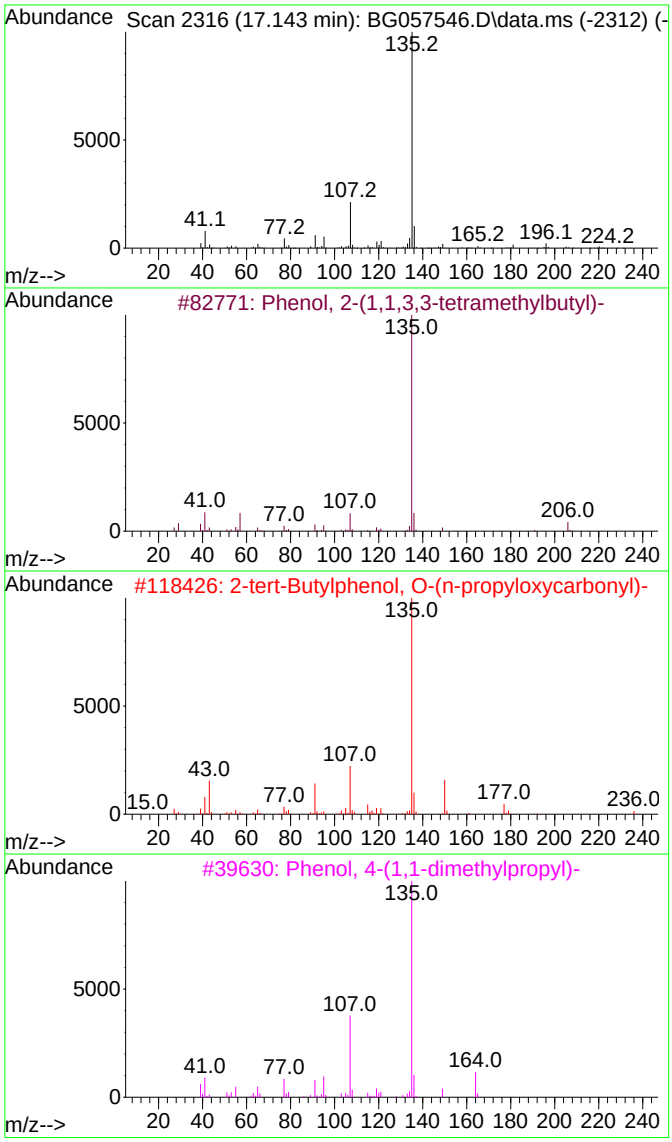
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

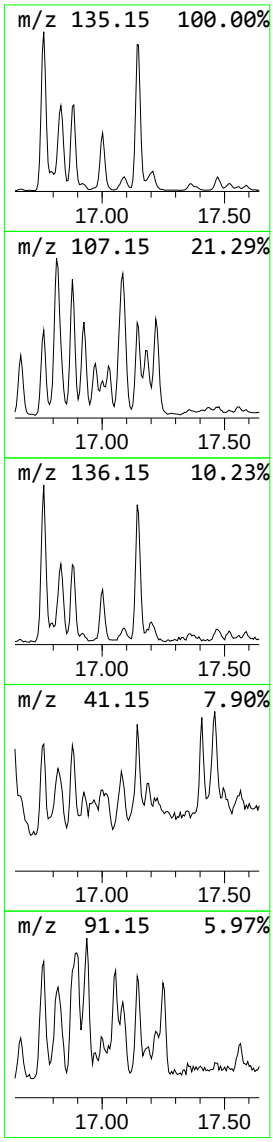
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenol, 2-(1,1,3,3-tetramet... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.143	23.84 ng	402940	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1,3,3-tetramethylbu...	206	C14H22O	003884-95-5	72
2	2-tert-Butylphenol, O-(n-propylo...	236	C14H20O3	1000487-37-9	72
3	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
4	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	72
5	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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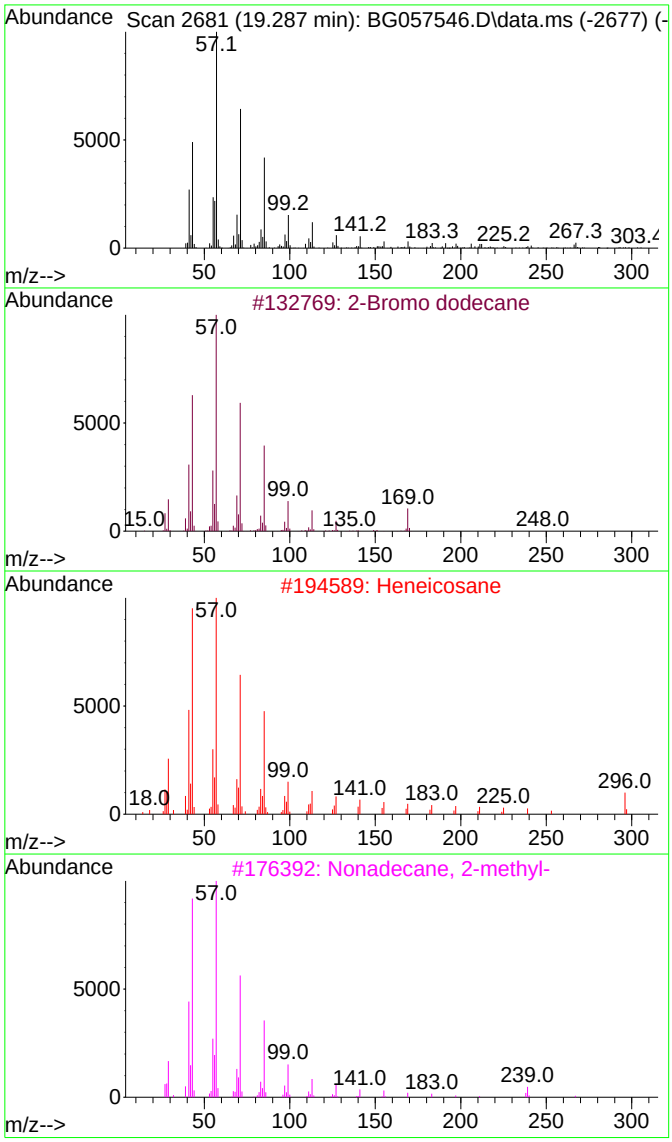
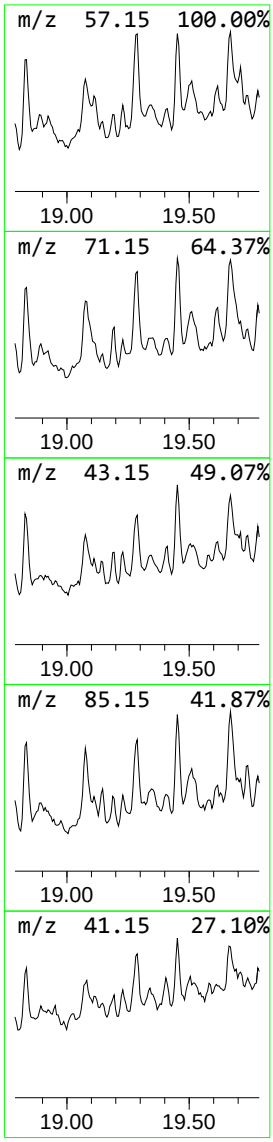
Peak Number 17 2-Bromo dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.287	25.19 ng	425675	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	87
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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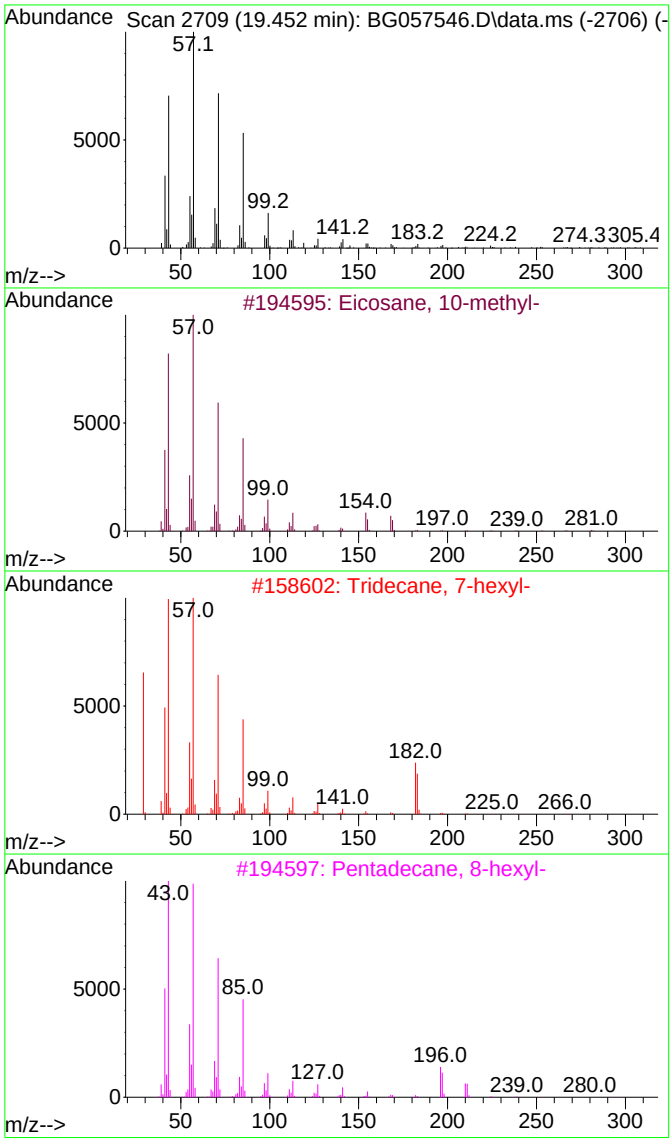
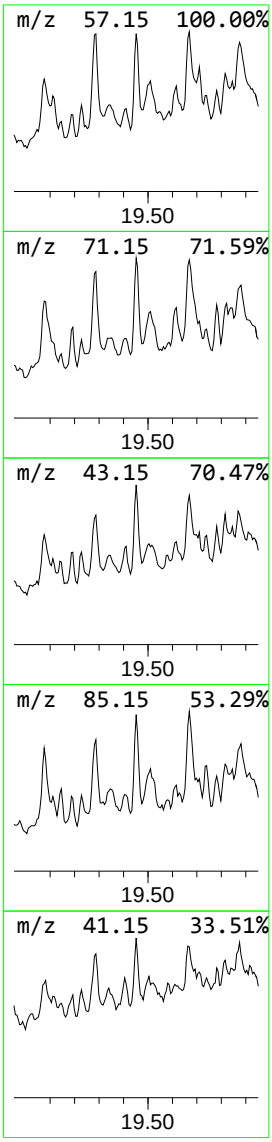
Peak Number 18 Eicosane, 10-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.451	23.37 ng	394909	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	91
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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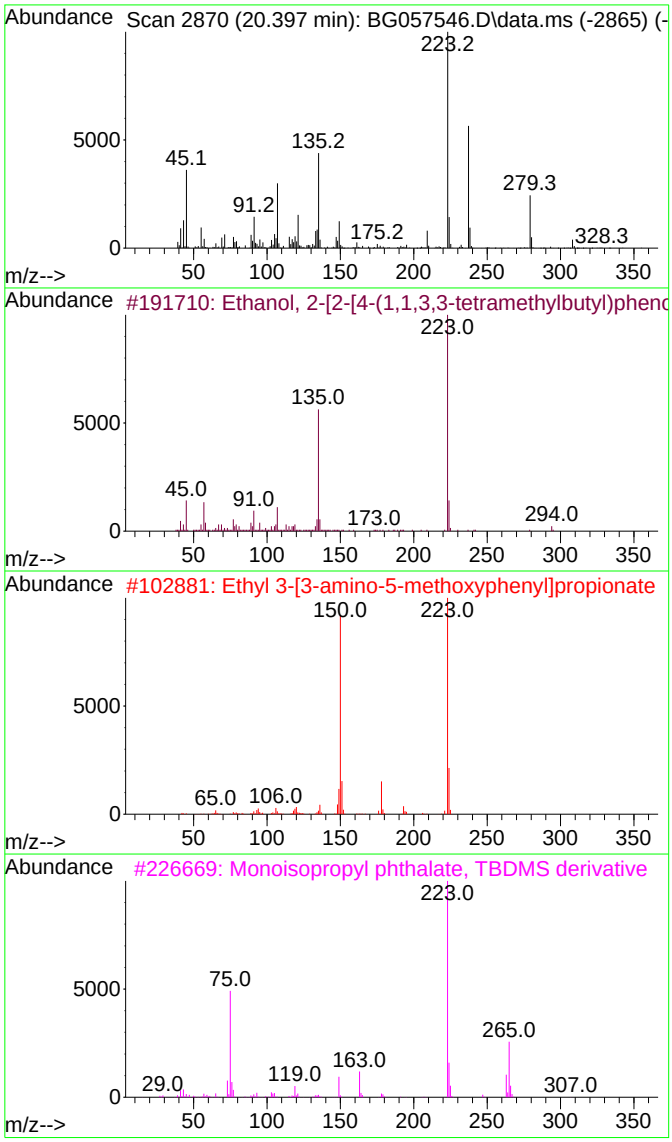
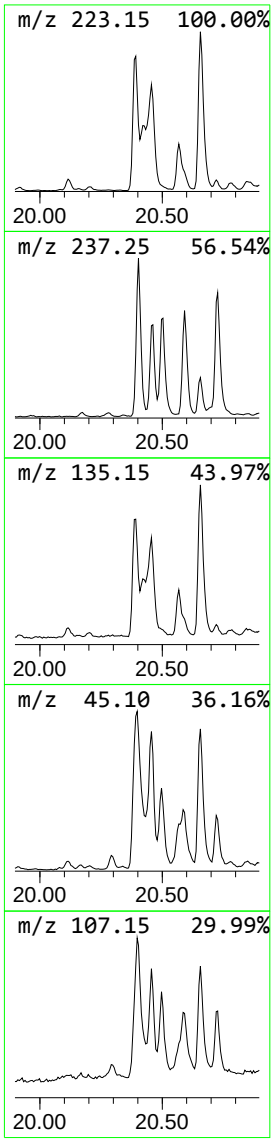
Peak Number 19 unknown20.397 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.397	26.29 ng	1950530	Chrysene-d12	22.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-[4-(1,1,3,3-tetram...	294	C18H30O3	002315-61-9	43
2	Ethyl 3-[3-amino-5-methoxyphenyl...	223	C12H17NO3	1010213-27-3	30
3	Monoisopropyl phthalate, TBDMS d...	322	C17H26O4Si	1000373-52-7	27
4	2'-Hydroxy-4'-methoxyacetophenon...	238	C12H18O3Si	097389-72-5	27
5	Mono-(E)-but-2-enyl phthalate, T...	334	C18H26O4Si	1000373-50-8	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

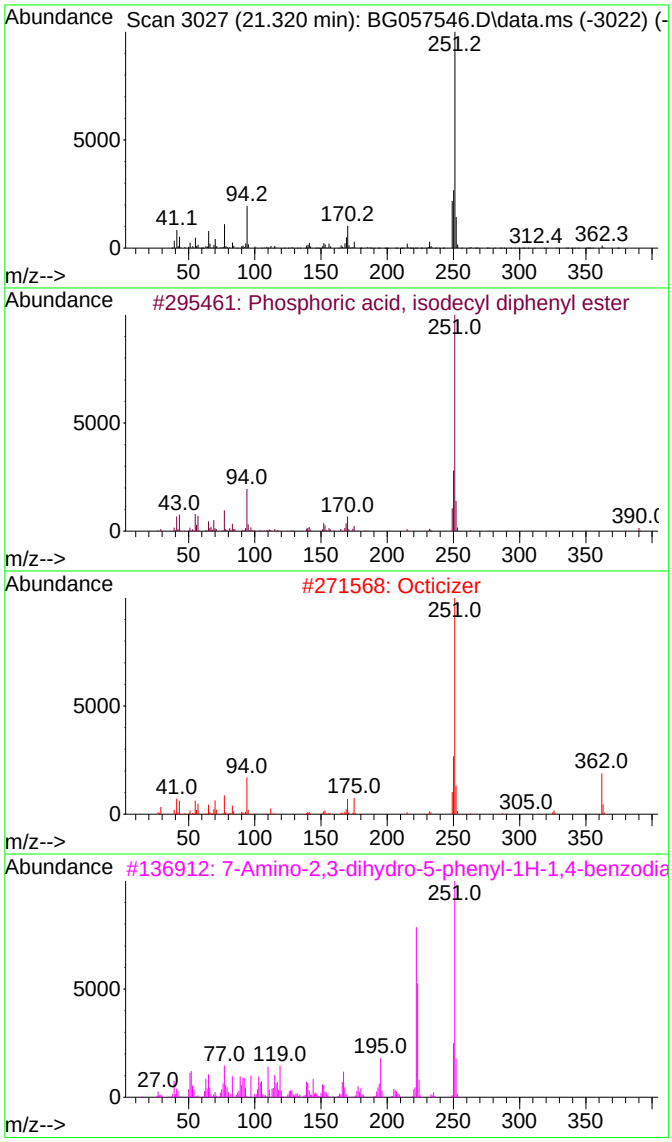
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

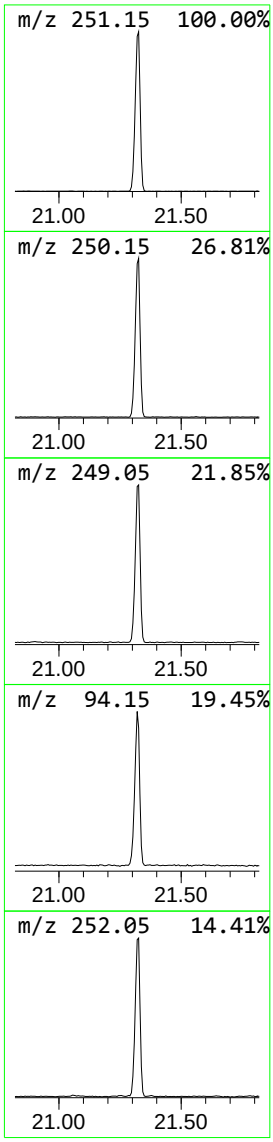
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phosphoric acid, isodecyl d... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.320	36.33 ng	2695400	Chrysene-d12	22.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, isodecyl diphen...	390	C22H31O4P	1346599-15-2	87
2	Octicizer	362	C20H27O4P	001241-94-7	87
3	7-Amino-2,3-dihydro-5-phenyl-1H-...	251	C15H13N3O	004928-02-3	47
4	2(1H)-Quinoxalinone, 3-[(phenylm...	251	C15H13N3O	1000337-94-5	47
5	trans-4-(Dimethylamino)chalcone	251	C17H17NO	022965-98-6	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057546.D
Acq On : 24 May 2023 23:02
Operator : CG/JU
Sample : 02897-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OILY-SOLIDS-0523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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
4-Octene, 2,6-d...	6.504	25.5	ng	359520	1	8.361	282422	20.0
Cyclohexene, 4-...	7.820	23.8	ng	335761	1	8.361	282422	20.0
p-Cymene	8.502	727.9	ng	10278800	1	8.361	282422	20.0
Cyclohexane, 1-...	8.584	314.6	ng	4442080	1	8.361	282422	20.0
unknown8.989	8.989	31.3	ng	442160	1	8.361	282422	20.0
Benzene, 4-ethy...	9.459	24.3	ng	343113	1	8.361	282422	20.0
Cyclohexanemeth...	10.534	24.9	ng	877013	2	11.198	703353	20.0
1-Phenyl-1-butene	10.575	25.1	ng	884593	2	11.198	703353	20.0
Undecane, 2,6-d...	11.310	29.5	ng	1038960	2	11.198	703353	20.0
Octane, 2,6-dim...	12.161	36.5	ng	1283170	2	11.198	703353	20.0
Naphthalene, 1,...	14.300	29.0	ng	1787590	3	14.975	1232390	20.0
Phenol, 4-(1,1,...	16.761	35.0	ng	591215	4	17.713	337989	20.0
5H-Pyrrolo(3,2-...	16.814	38.9	ng	657896	4	17.713	337989	20.0
4-(7-Methylocty...	16.879	29.7	ng	501813	4	17.713	337989	20.0
1,3-Cyclopentad...	17.084	30.6	ng	517895	4	17.713	337989	20.0
Phenol, 2-(1,1,...	17.143	23.8	ng	402940	4	17.713	337989	20.0
2-Bromo dodecane	19.287	25.2	ng	425675	4	17.713	337989	20.0
Eicosane, 10-me...	19.451	23.4	ng	394909	4	17.713	337989	20.0
unknown20.397	20.397	26.3	ng	1950530	5	22.030	1483660	20.0
Phosphoric acid...	21.320	36.3	ng	2695400	5	22.030	1483660	20.0