LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126315.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	10	20	rVB	112748	147925	3.22%	0.309%
2	4.551	413	419	424	rBV	545679	601323	13.07%	1.257%
3	5.046	499	503	508	rVB2	57294	73071	1.59%	0.153%
4	5.240	531	536	539	rBV	89728	89850	1.95%	0.188%
5	5.322	548	550	553	rVB	57019	48091	1.05%	0.101%
6	5.434	564	569	572	rBV	3795643	4034703	87.72%	8.435%
7	5.598	593	597	601	rBV3	61314	77590	1.69%	0.162%
8	5.640	601	604	607	rVB	184559	151984	3.30%	0.318%
9	5.681	607	611	613	rBV	103335	101422	2.21%	0.212%
10	5.734	617	620	622	rBV	56787	53517	1.16%	0.112%
11	5.846	631	639	643	rBV3	199867	320426	6.97%	0.670%
12	5.898	643	648	650	rBV	240844	306439	6.66%	0.641%
13	5.975	658	661	666	rVB2	436591	479570	10.43%	1.003%
14	6.028	666	670	672	rBV	246464	258962	5.63%	0.541%
15	6.075	674	678	683	rVV2	943522	1231331	26.77%	2.574%
16	6.128	683	687	689	rVV2	466199	472847	10.28%	0.989%
17	6.157	689	692	695	rVV4	161305	239169	5.20%	0.500%
18	6.187	695	697	699	rVV	131057	109356	2.38%	0.229%
19	6.210	699	701	705	rVB2	95156	83275	1.81%	0.174%
20	6.263	705	710	714	rBV2	579692	773418	16.82%	1.617%
21	6.304	714	717	718	rVV2	277523	277343	6.03%	0.580%
22	6.322	718	720	722	rVV	868931	642580	13.97%	1.343%
23	6.351	722	725	727	rVV2	451961	499451	10.86%	1.044%
24	6.375	727	729	733	rVV2	351637	350226	7.61%	0.732%
25	6.445	733	741	744	rVV	3577965	4599353	100.00%	9.615%
26	6.469	744	745	747	rVV	242351	177266	3.85%	0.371%
27	6.493	747	749	752	rVV3	254926	302899	6.59%	0.633%
28	6.522	752	754	757	rVV	172718	181098	3.94%	0.379%
29	6.563	757	761	765	rVV2	462521	743983	16.18%	1.555%
30	6.598	765	767	769	rVV	307488	295904	6.43%	0.619%
31	6.616	769	770	772	rVV2	132325	113960	2.48%	0.238%
32	6.645	772	775	776	rVV	645441	621263	13.51%	1.299%
33	6.681	779	781	783	rVV	218768	195014	4.24%	0.408%
34	6.710	783	786	788	rVV2	122455	142465	3.10%	0.298%
35	6.763	788	795	798	rVV5	267687	584916	12.72%	1.223%
36	6.787	798	799	800	rVV	238116	162163	3.53%	0.339%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	6.816	800	804	806	rVV	1471403	1626612	35.37%	3.401%
38	6.834	806	807	811	rVV2	798455	609229	13.25%	1.274%
39	6.875	811	814	818	rVV2	460718	574499	12.49%	1.201%
40	6.916	818	821	822	rVV2	150600	150551	3.27%	0.315%
41	6.940	822	825	827	rVV	272049	304890	6.63%	0.637%
42	6.969	827	830	834	rVV	565226	620338	13.49%	1.297%
43	6.998	834	835	838	rVB2	100934	73045	1.59%	0.153%
44	7.051	841	844	846	rVV2	141431	152745	3.32%	0.319%
45	7.098	848	852	854	rVV2	363527	386964	8.41%	0.809%
46	7.128	854	857	861	rVV2	263429	339682	7.39%	0.710%
47	7.163	861	863	868	rVB3	127389	139302	3.03%	0.291%
48	7.210	868	871	875	rBV2	243442	246919	5.37%	0.516%
49	7.304	885	887	890	rVB	61528	51130	1.11%	0.107%
50	7.375	890	899	902	rBV	2470964	3031653	65.91%	6.338%
51	7.416	904	906	910	rVB	98636	98434	2.14%	0.206%
52	7.463	910	914	918	rVB4	106543	144528	3.14%	0.302%
53	7.528	922	925	930	rVB3	53508	69646	1.51%	0.146%
54	7.587	930	935	936	rBV2	45816	66847	1.45%	0.140%
55	8.098	1017	1022	1032	rBV	1672542	1663777	36.17%	3.478%
56	9.175	1200	1205	1217	rBV	3866326	4257036	92.56%	8.900%
57	9.257	1217	1219	1226	rVB2	57108	71208	1.55%	0.149%
58	9.851	1314	1320	1331	rBV	1723851	1726455	37.54%	3.609%
59	10.263	1387	1390	1393	rBV2	46562	53263	1.16%	0.111%
60	10.639	1449	1454	1465	rBV	2470263	2649082	57.60%	5.538%
61	11.210	1544	1551	1553	rBV5	52956	81187	1.77%	0.170%
62	11.239	1553	1556	1563	rVB2	40013	47731	1.04%	0.100%
63	11.298	1563	1566	1569	rBV2	62160	60985	1.33%	0.127%
64	11.339	1569	1573	1579	rVV	1711444	1697874	36.92%	3.549%
65	11.386	1579	1581	1586	rVB4	28464	48819	1.06%	0.102%
66	11.504	1598	1601	1608	rVB	65013	68076	1.48%	0.142%
67	11.869	1660	1663	1666	rBV	74678	72520	1.58%	0.152%
68	11.904	1666	1669	1672	rVB	123808	115173	2.50%	0.241%
69	12.574	1779	1783	1789	rVB2	51292	70587	1.53%	0.148%
70	12.927	1838	1843	1846	rBV	3751915	3757446	81.70%	7.855%
71	13.451	1929	1932	1936	rVB	48526	46838	1.02%	0.098%
72	13.892	2002	2007	2009	rBV	34486	48146	1.05%	0.101%
73	13.933	2009	2014	2016	rVV2	79041	143038	3.11%	0.299%
74	13.974	2017	2021	2031	rVV	1250556	1443819	31.39%	3.018%
75	14.068	2032	2037	2047	rVB	304373	421293	9.16%	0.881%
76	14.833	2163	2167	2172	rVB	52372	58385	1.27%	0.122%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.421	2262	2267	2281	rBV	666842	1000579	21.75%	2.092%

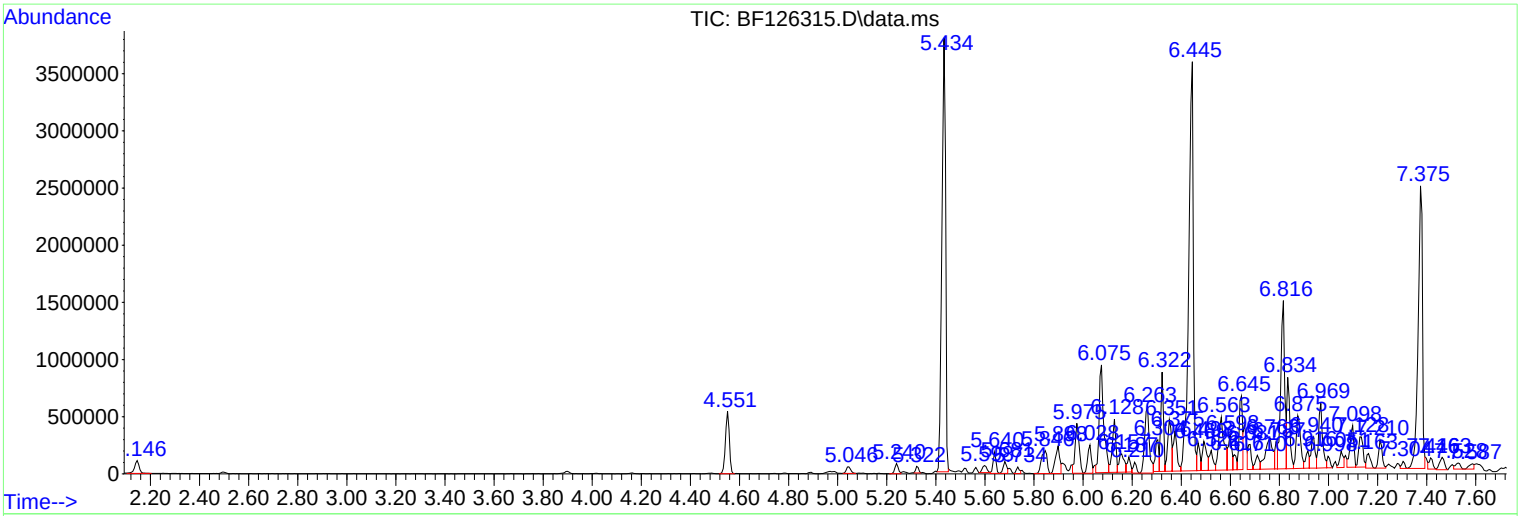
Sum of corrected areas: 47834484

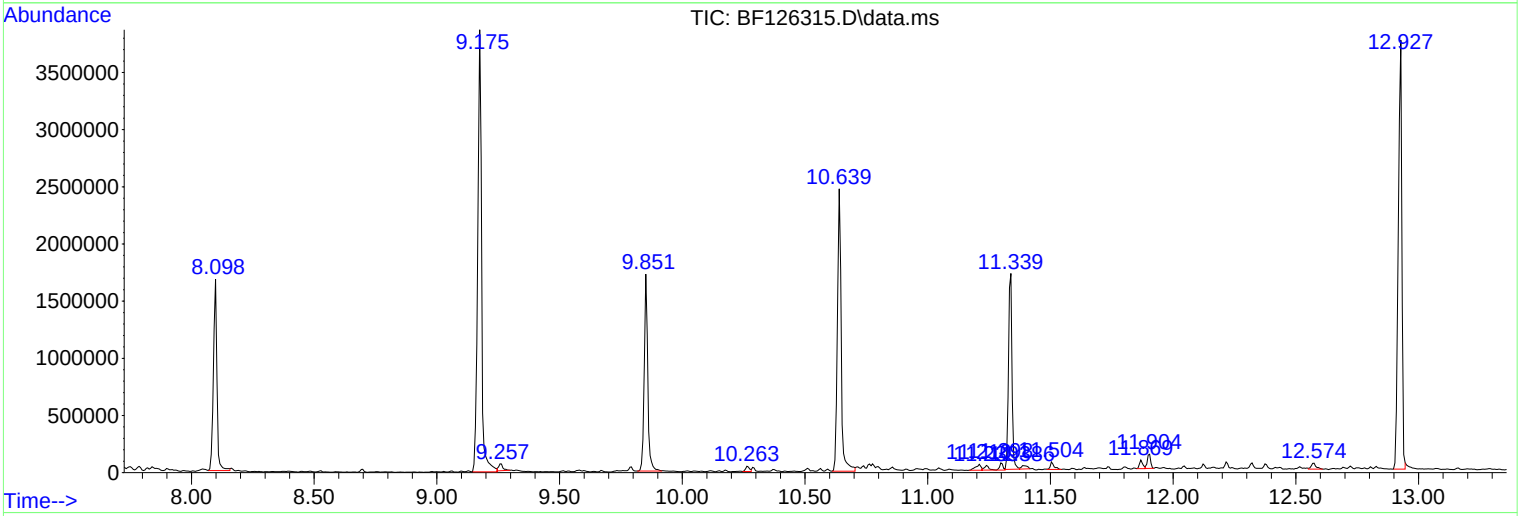
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

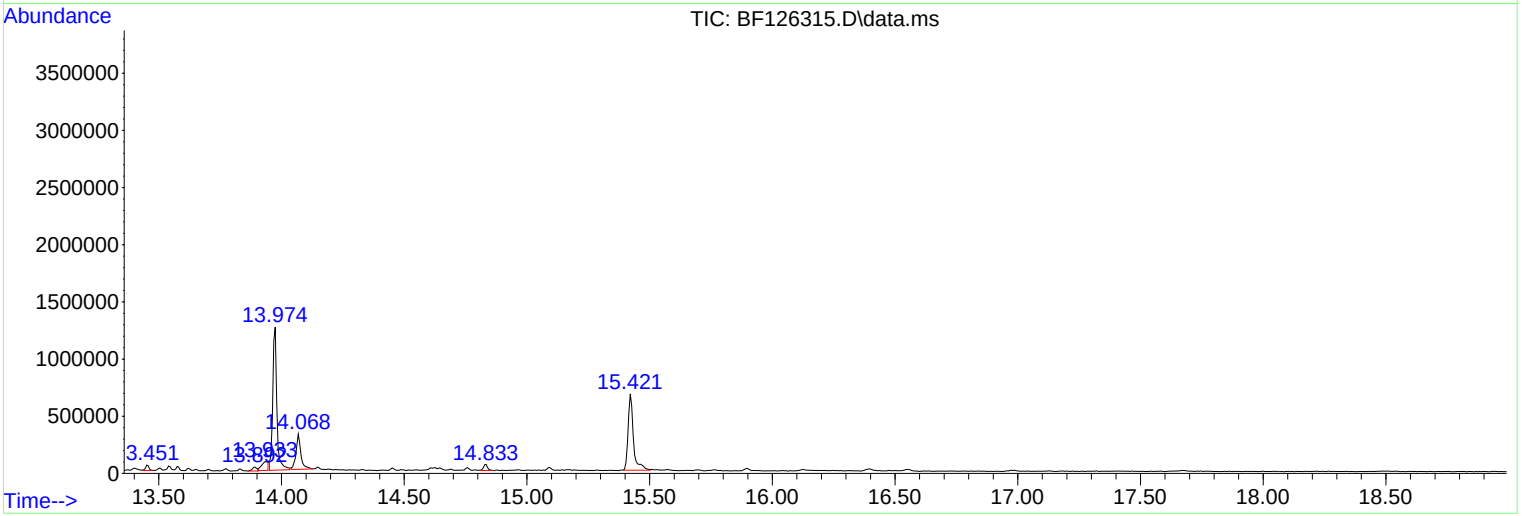
Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

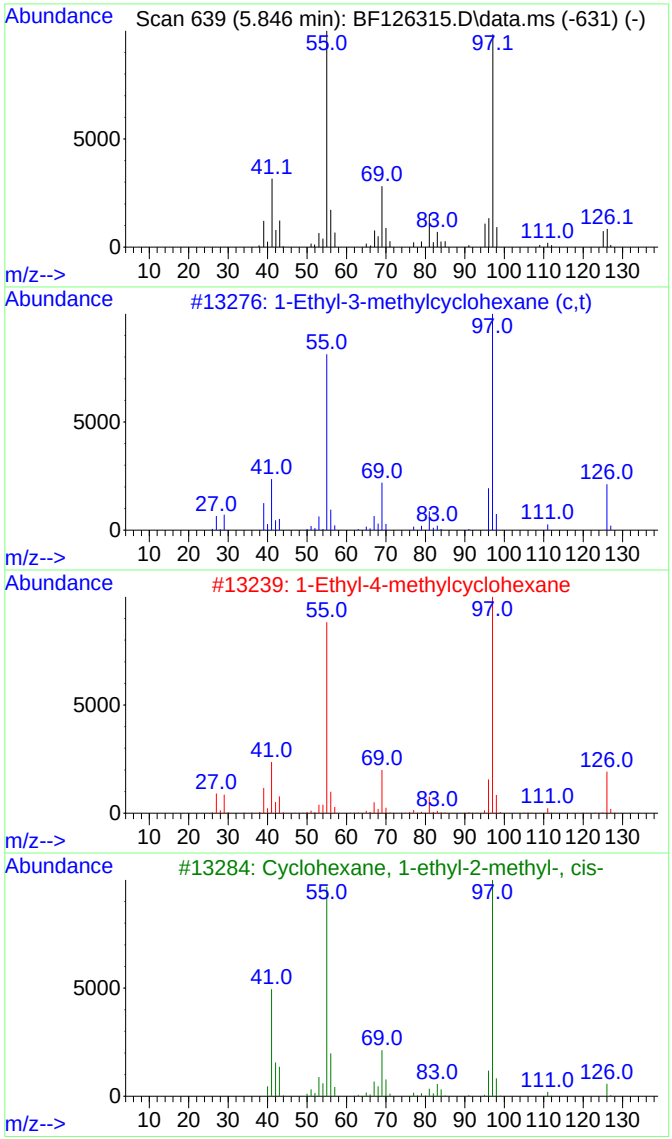
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

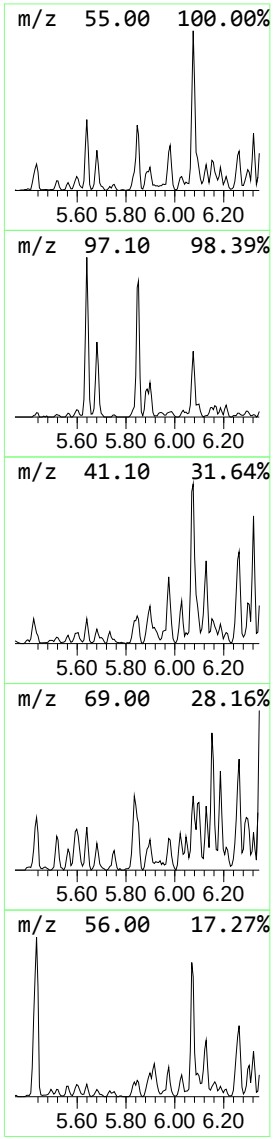
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Ethyl-3-methylcyclohexane... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.846	3.94 ng	320426	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	87
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

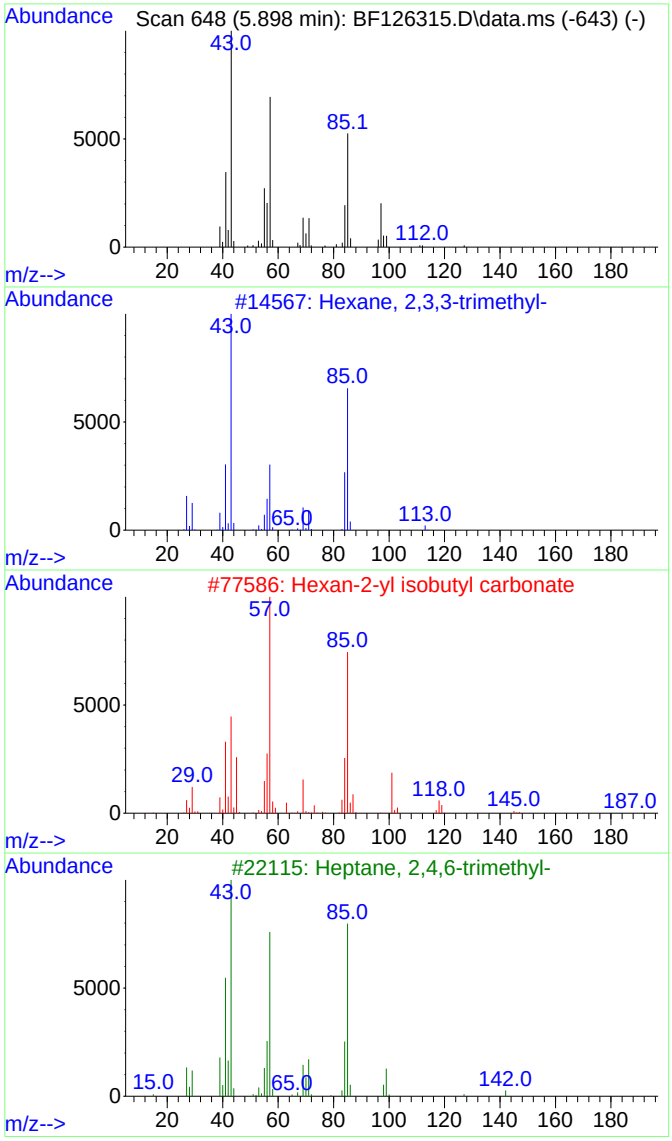
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

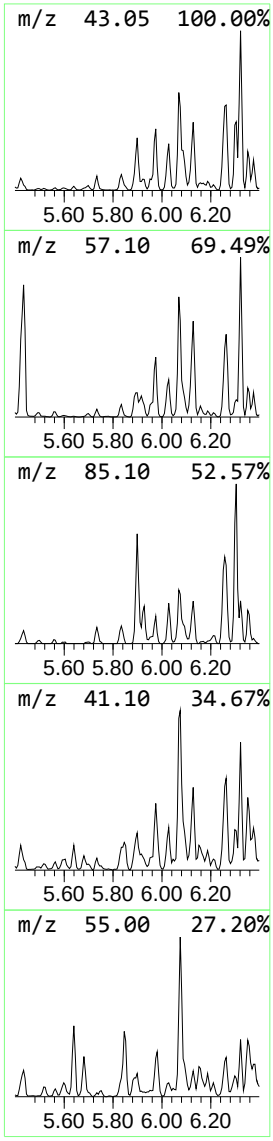
****

Peak Number 3 Hexane, 2,3,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.898	3.77 ng	306439	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	64
2	Hexan-2-yl isobutyl carbonate	202	C11H22O3	1000372-75-5	50
3	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	50
4	6,6,7-Trimethyl-octane-2,5-dione	184	C11H20O2	1000187-31-5	50
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

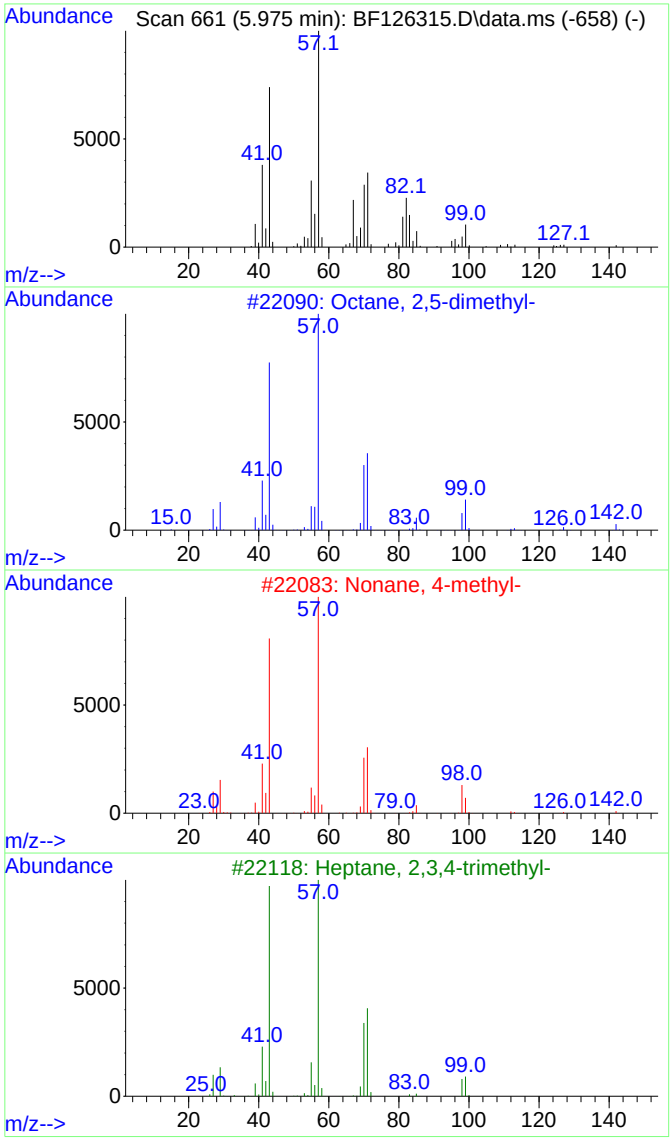
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

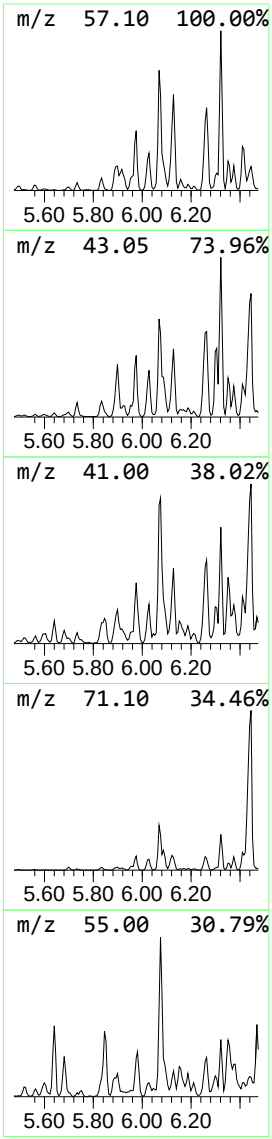
****

Peak Number 4 unknown5.975 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.975	5.90 ng	479570	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	45
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	38
4	cis-2-tert-Butylcyclohexanol, O-...	302	C13H19F5O2	1000467-24-6	35
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

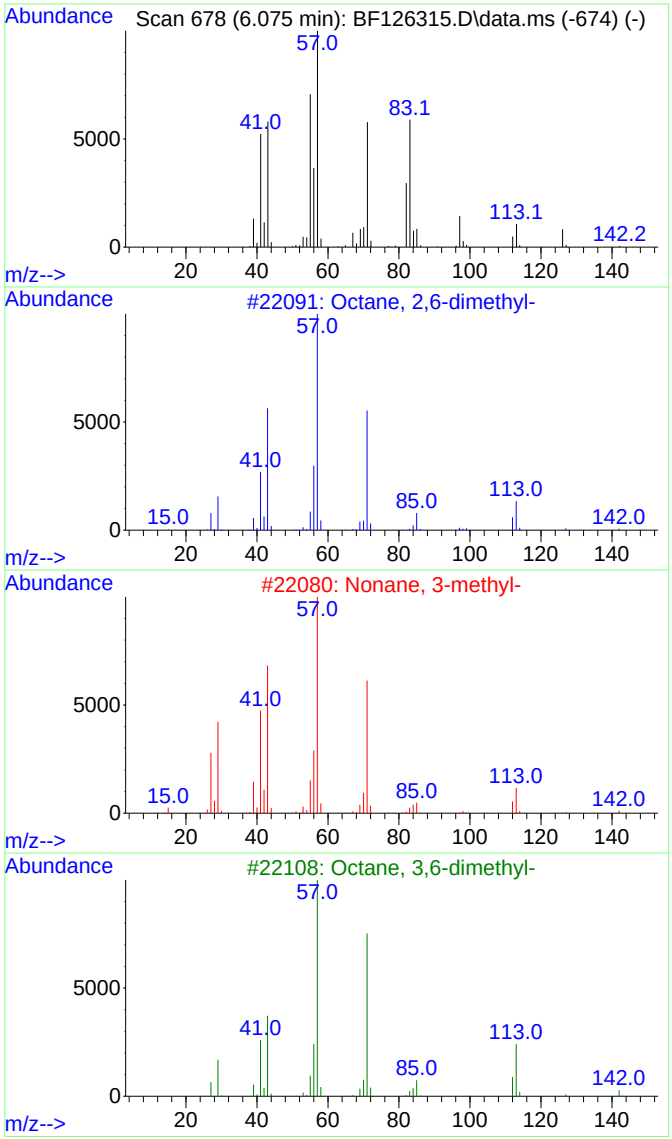
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

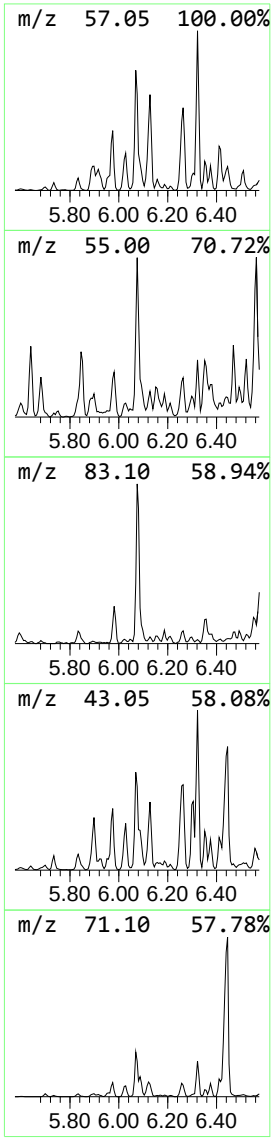
****

Peak Number 5 unknown6.075 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.075	15.14 ng	1231330	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	35
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

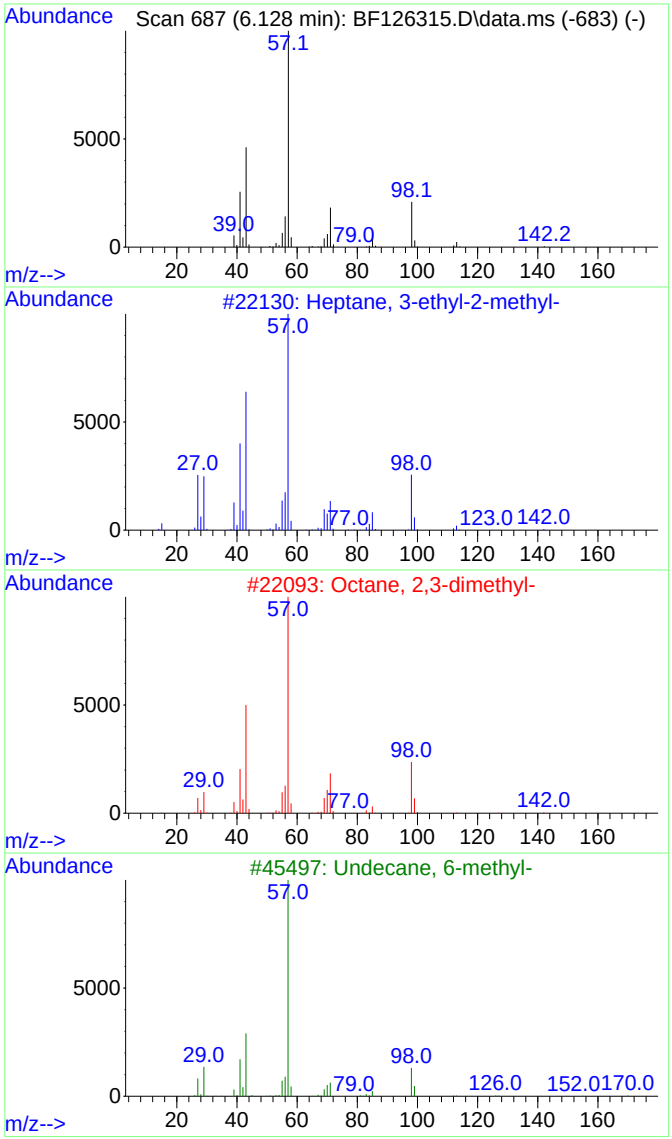
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

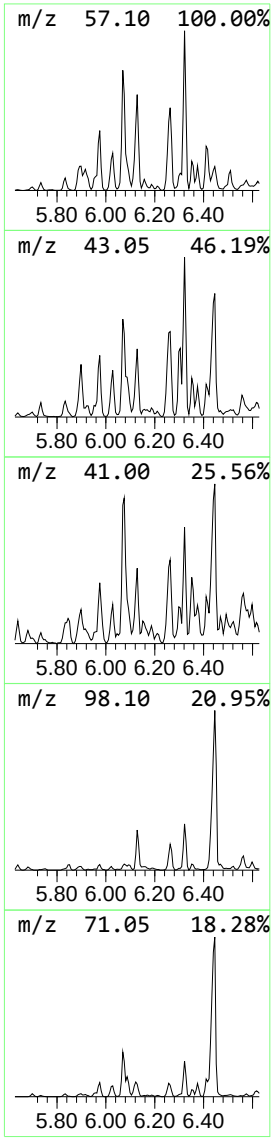
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptane, 3-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.128	5.81 ng	472847	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	86
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

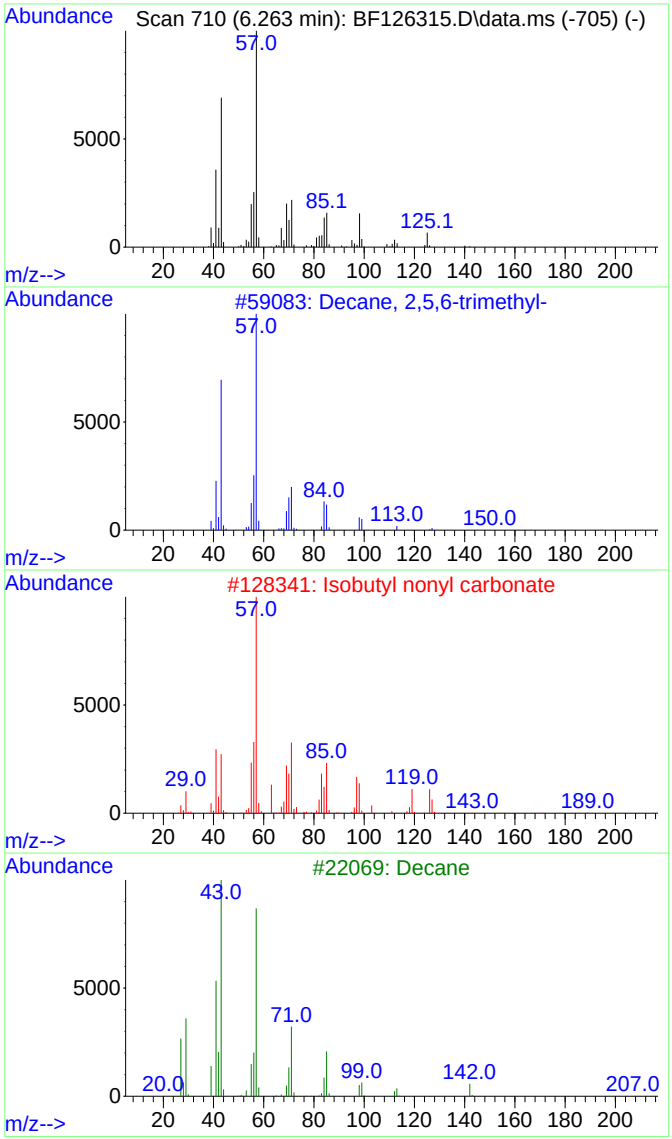
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

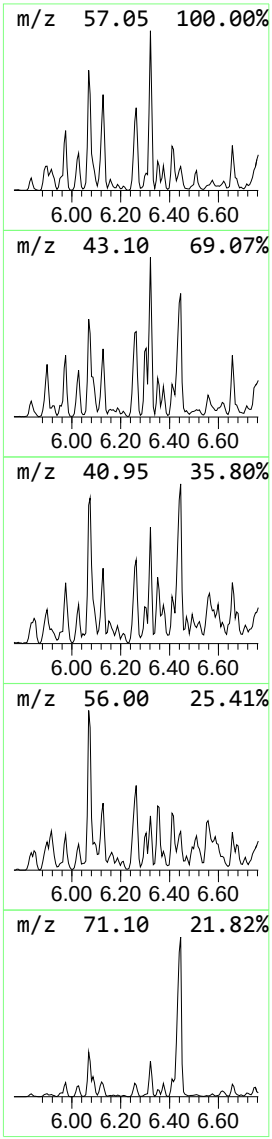
****

Peak Number 7 Decane, 2,5,6-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.263	9.51 ng	773418	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
2	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	64
3	Decane	142	C10H22	000124-18-5	50
4	Ether, heptyl hexyl	200	C13H28O	007289-40-9	43
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

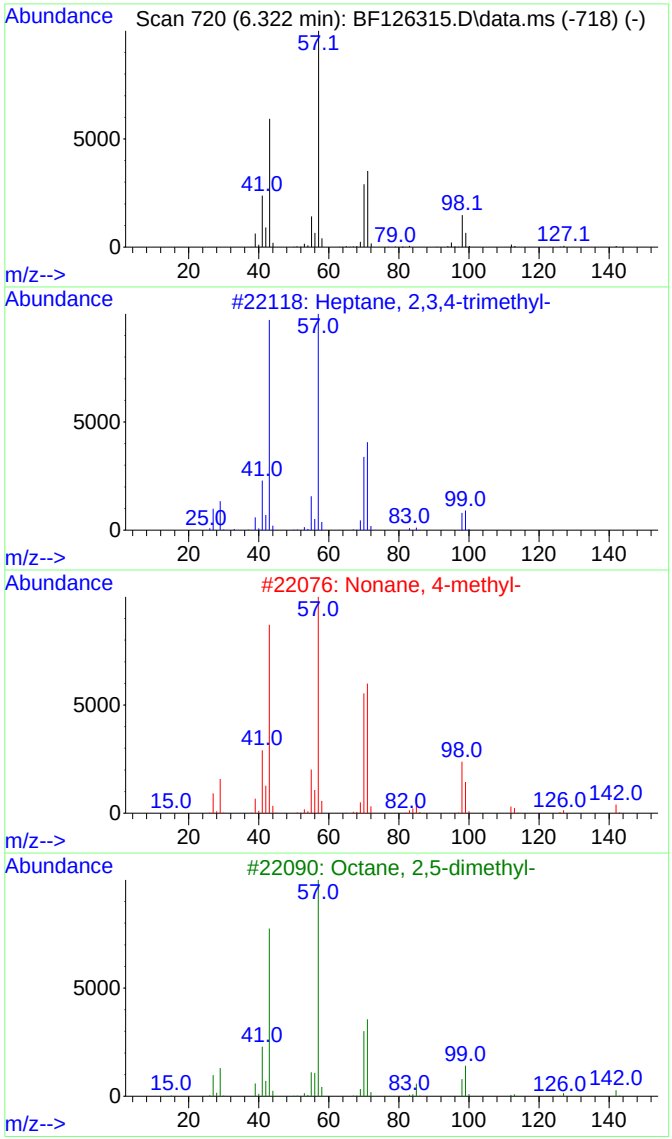
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

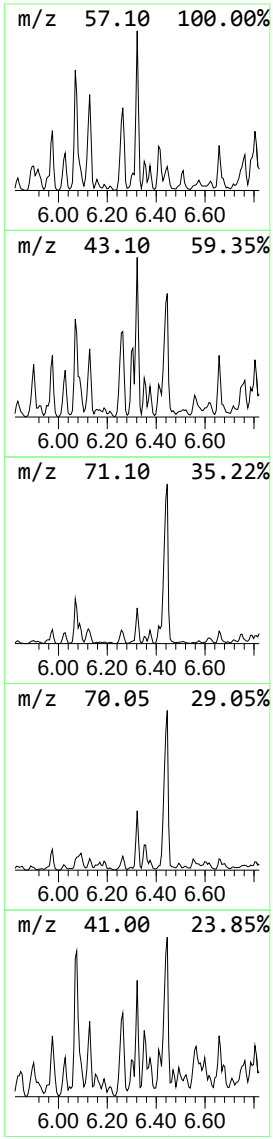
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Heptane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.322	7.90 ng	642580	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	72
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	56
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

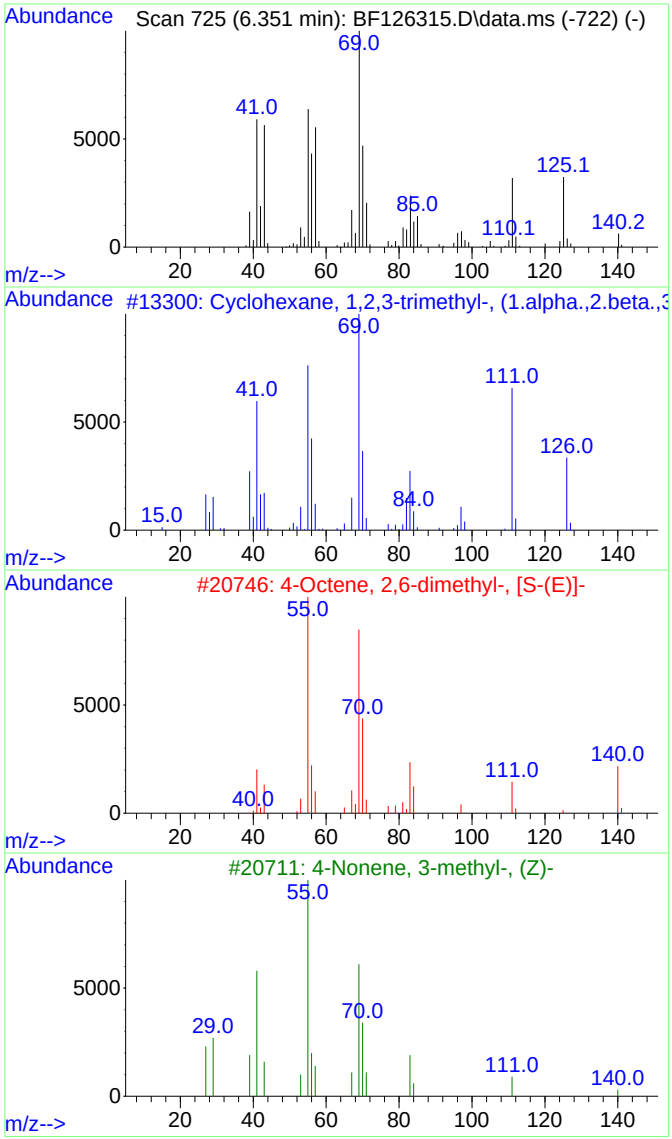
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

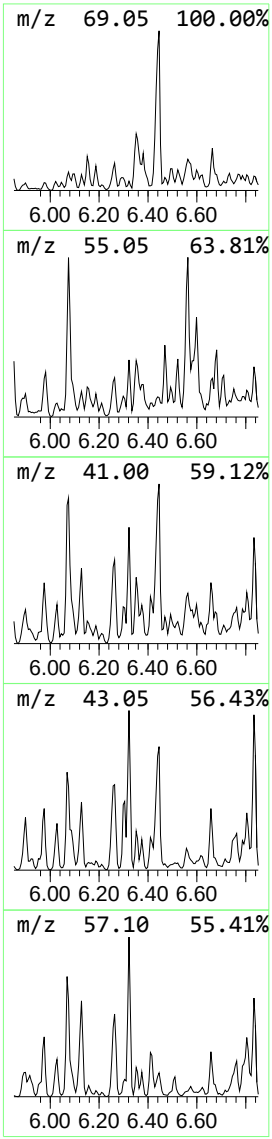
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 1,2,3-trimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.351	6.14 ng	499451	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	81
2	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	64
3	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	64
4	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	49
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

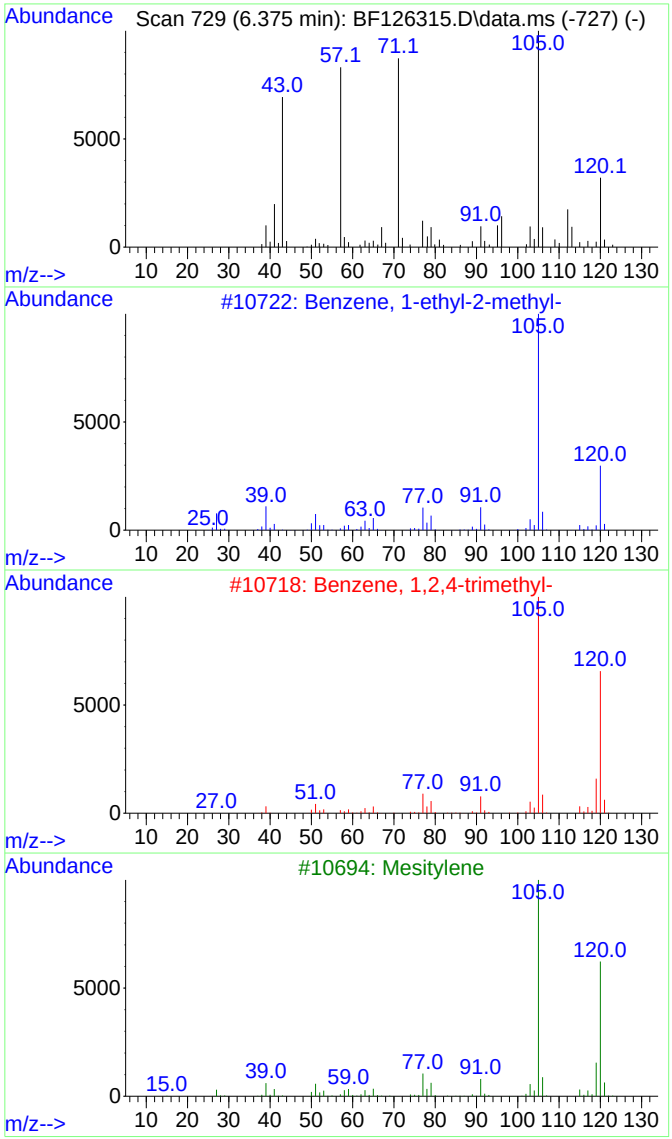
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

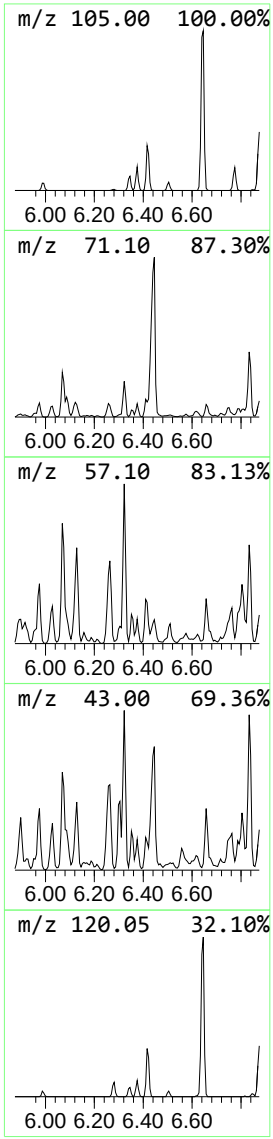
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.375	4.31 ng	350226	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35
3	Mesitylene	120	C9H12	000108-67-8	35
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

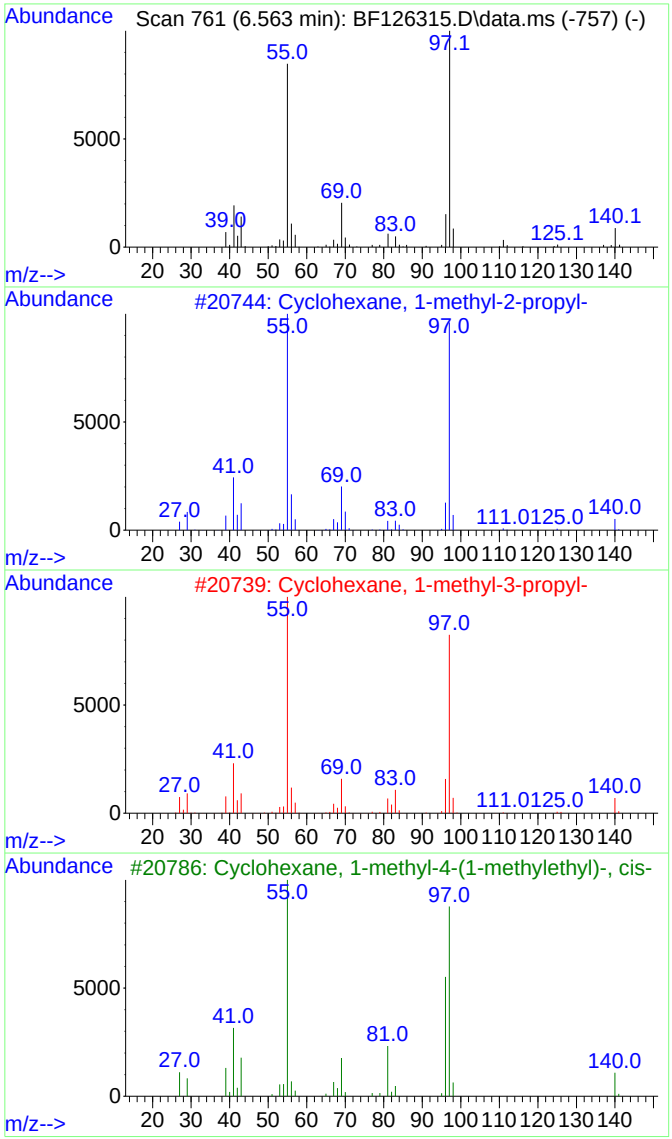
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

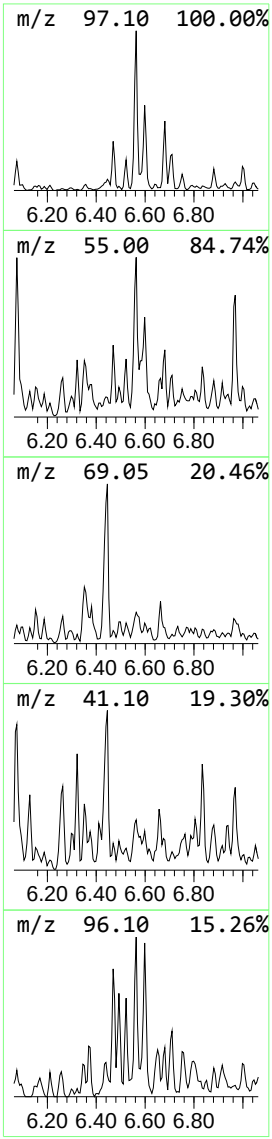
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexane, 1-methyl-2-pro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.563	9.15 ng	743983	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	87
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	87
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	80
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	78
5	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

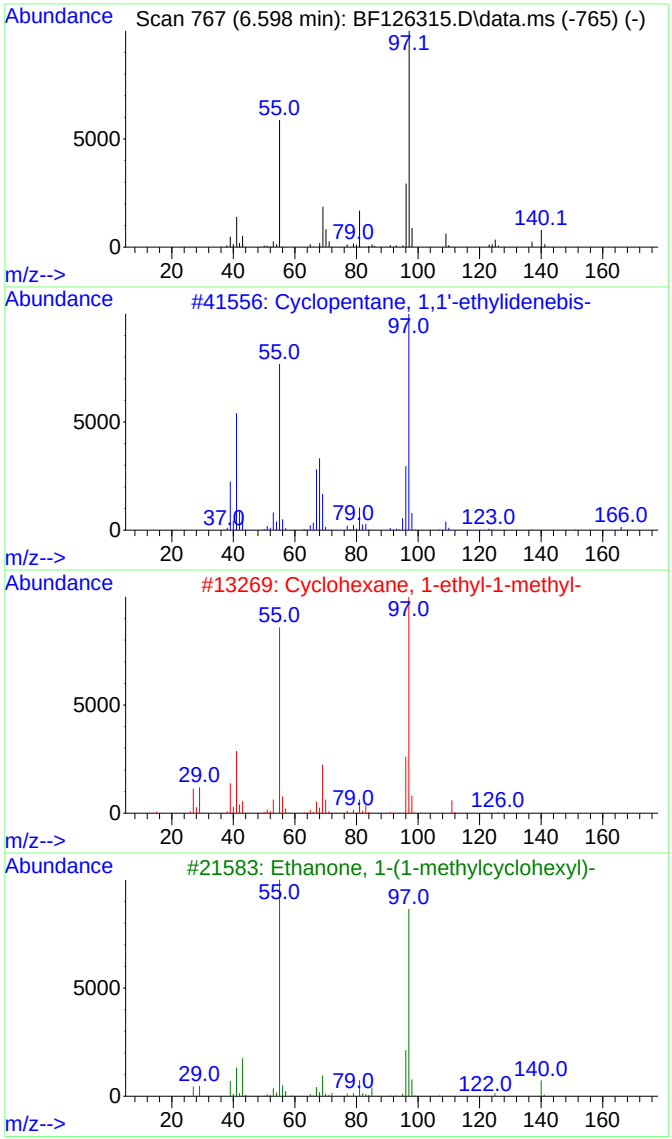
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

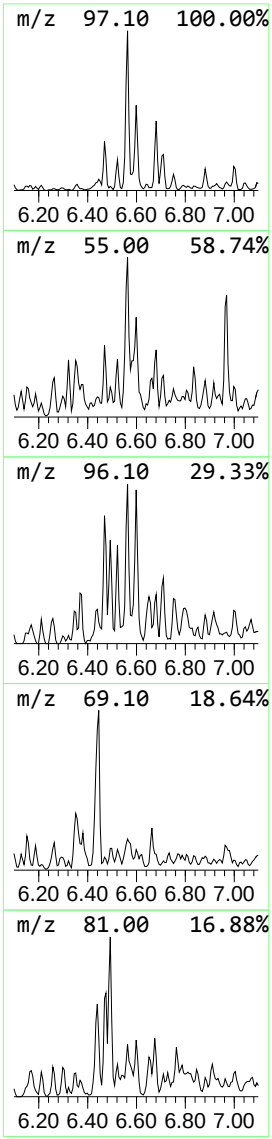
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopentane, 1,1'-ethylide... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.598	3.64 ng	295904	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	78
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

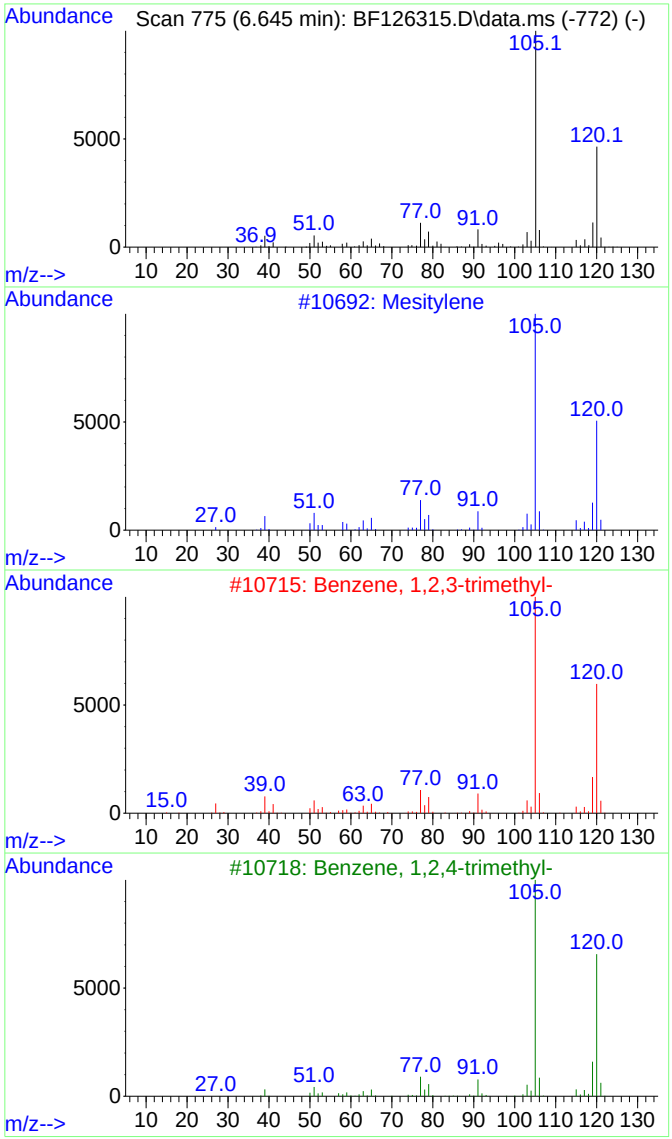
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

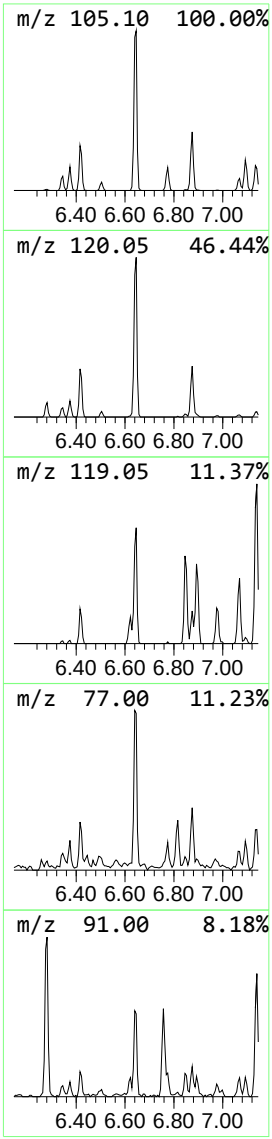
****

Peak Number 13 Mesitylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.645	7.64 ng	621263	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

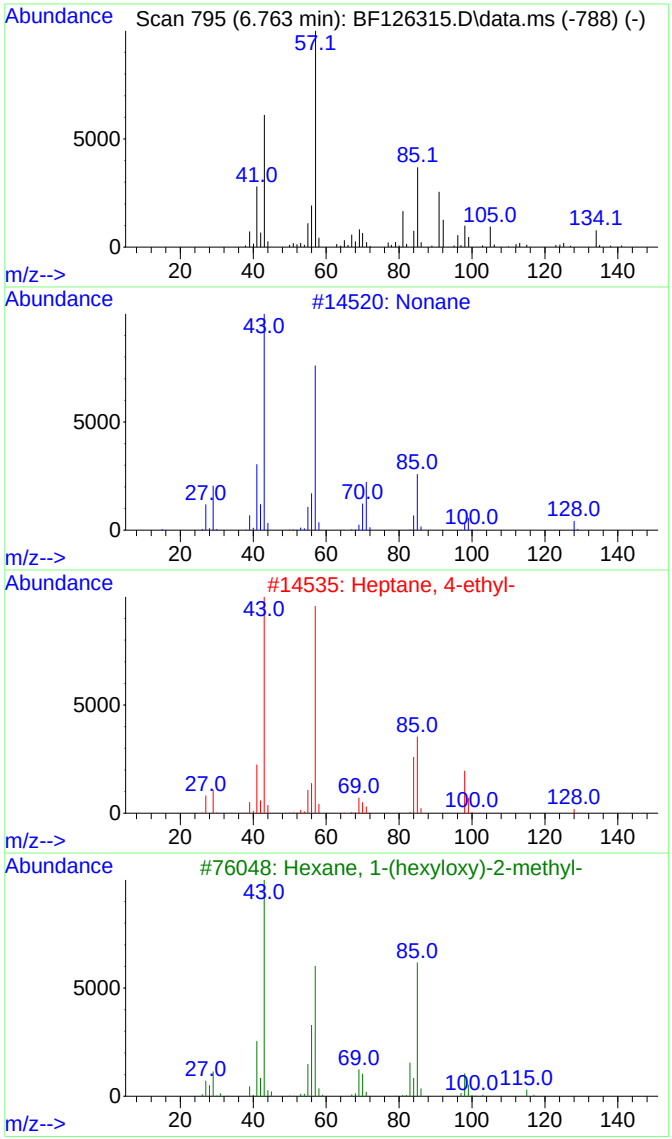
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

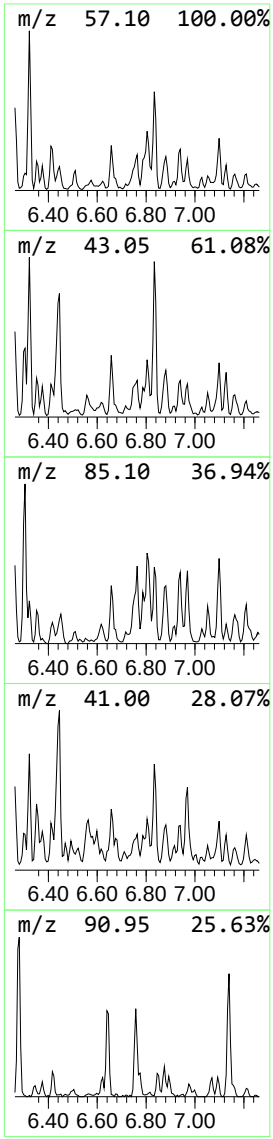
****

Peak Number 14 Nonane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.763	7.19 ng	584916	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	50
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	49
4	2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	47
5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

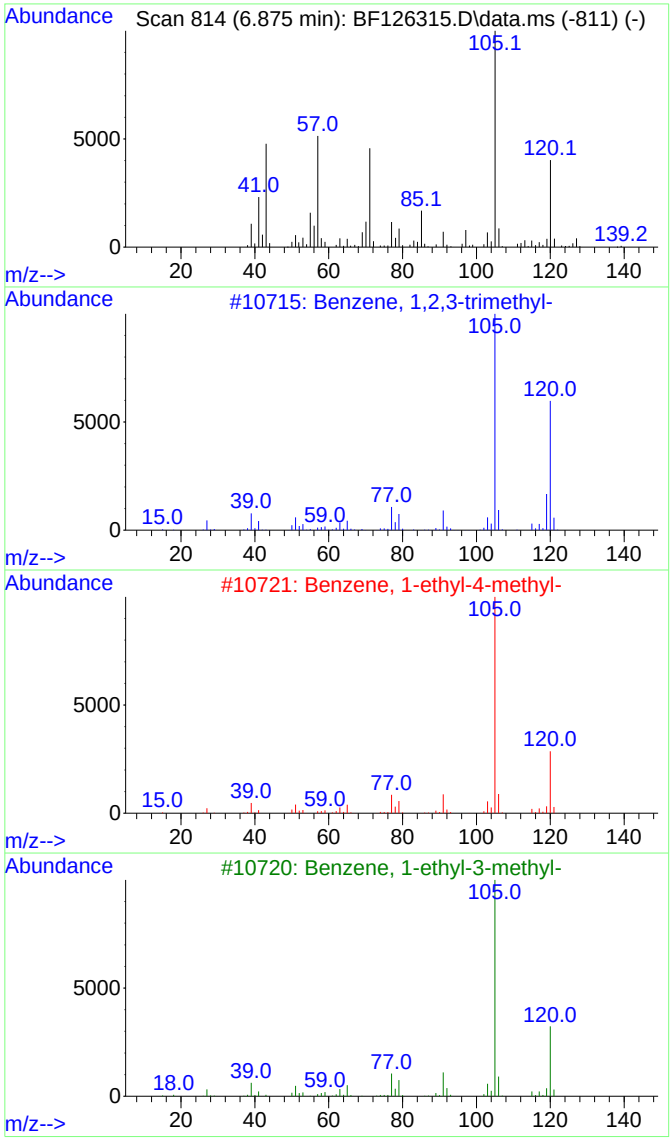
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

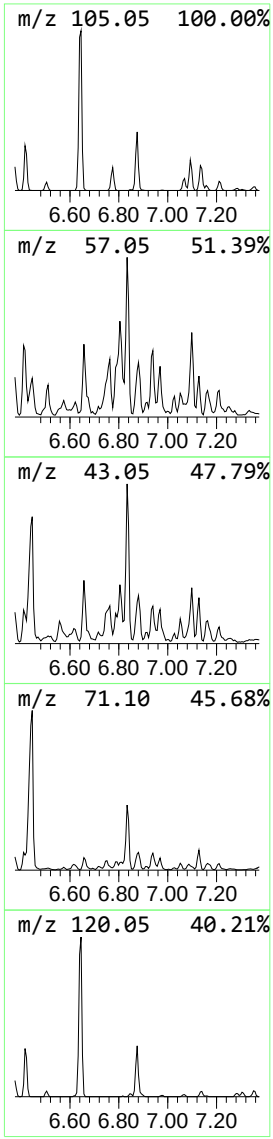
****

Peak Number 15 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.875	7.06 ng	574499	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

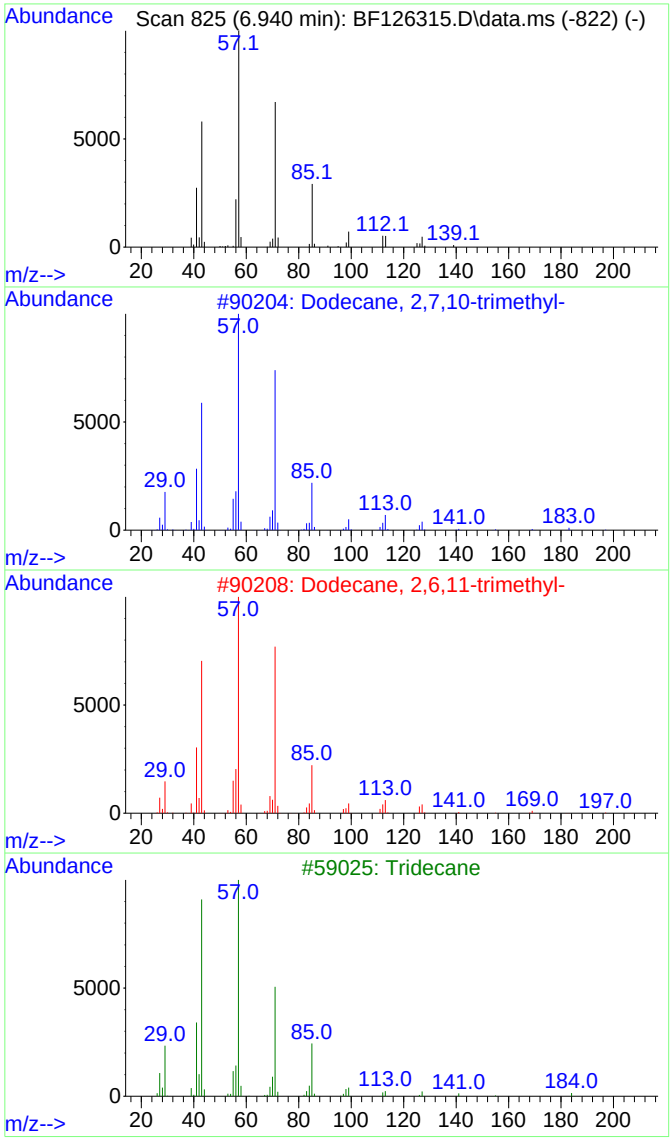
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

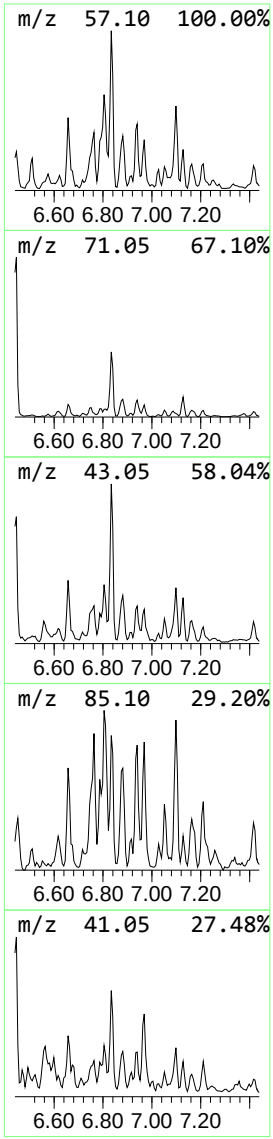
****

Peak Number 16 Dodecane, 2,7,10-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.940	3.75 ng	304890	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
3	Tridecane	184	C13H28	000629-50-5	64
4	Heptacosane	380	C27H56	000593-49-7	59
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

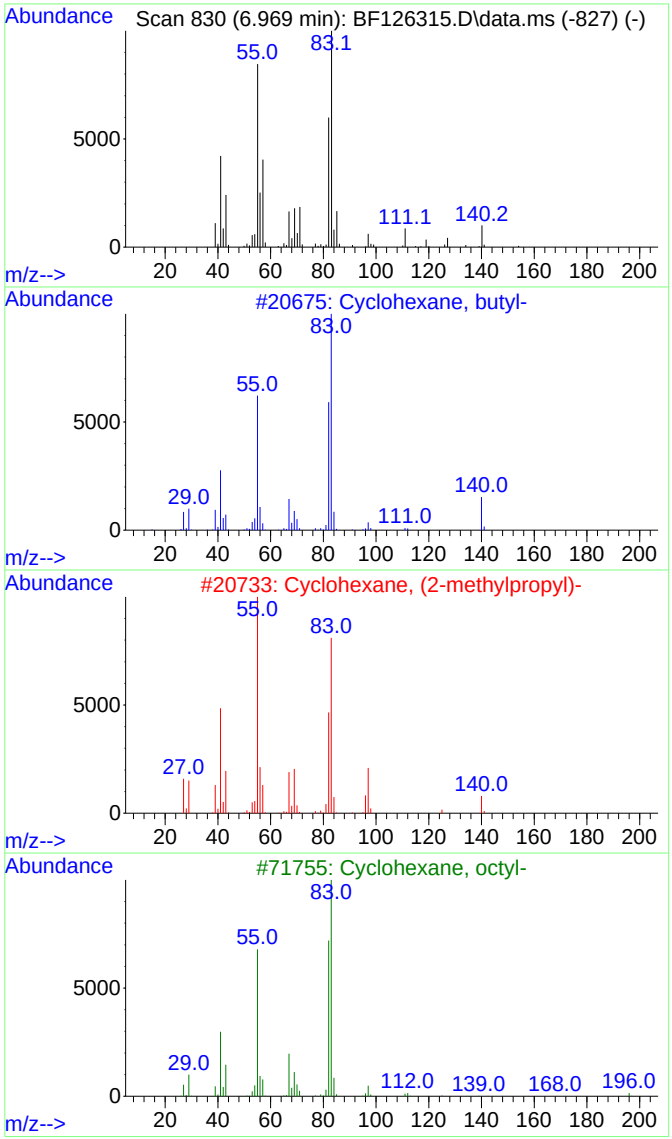
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

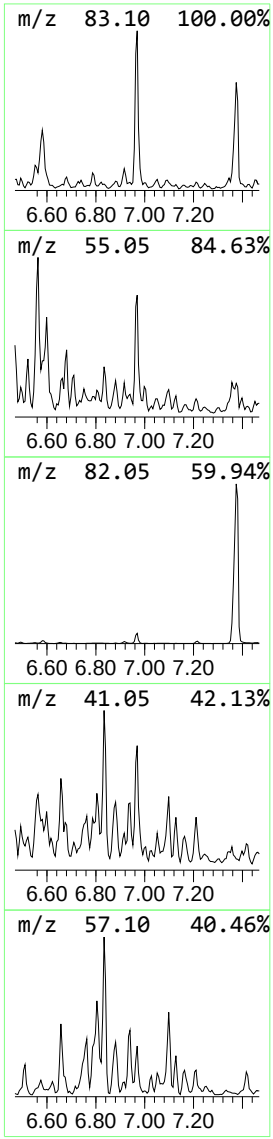
****

Peak Number 17 Cyclohexane, butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.969	7.63 ng	620338	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

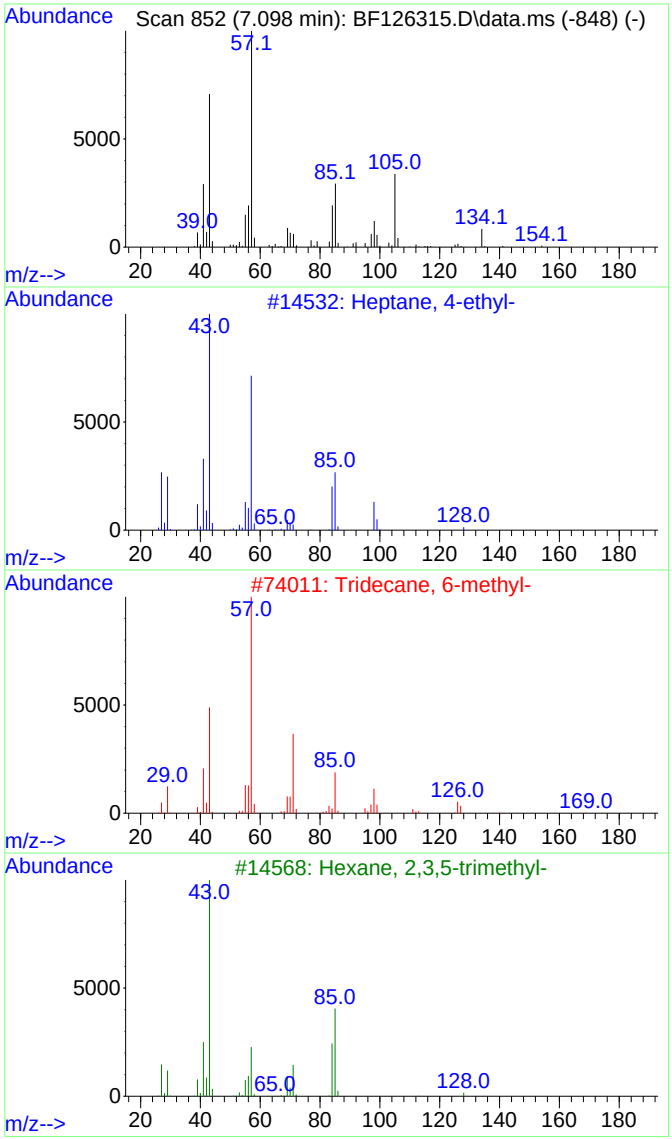
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

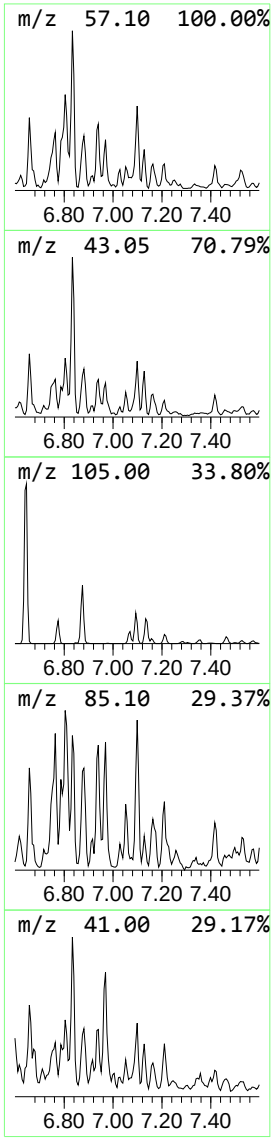
****

Peak Number 18 unknown7.098 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.098	4.76 ng	386964	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-ethyl-	128	C9H20	002216-32-2	49
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
5	Nonane, 5-methyl-	142	C10H22	015869-85-9	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

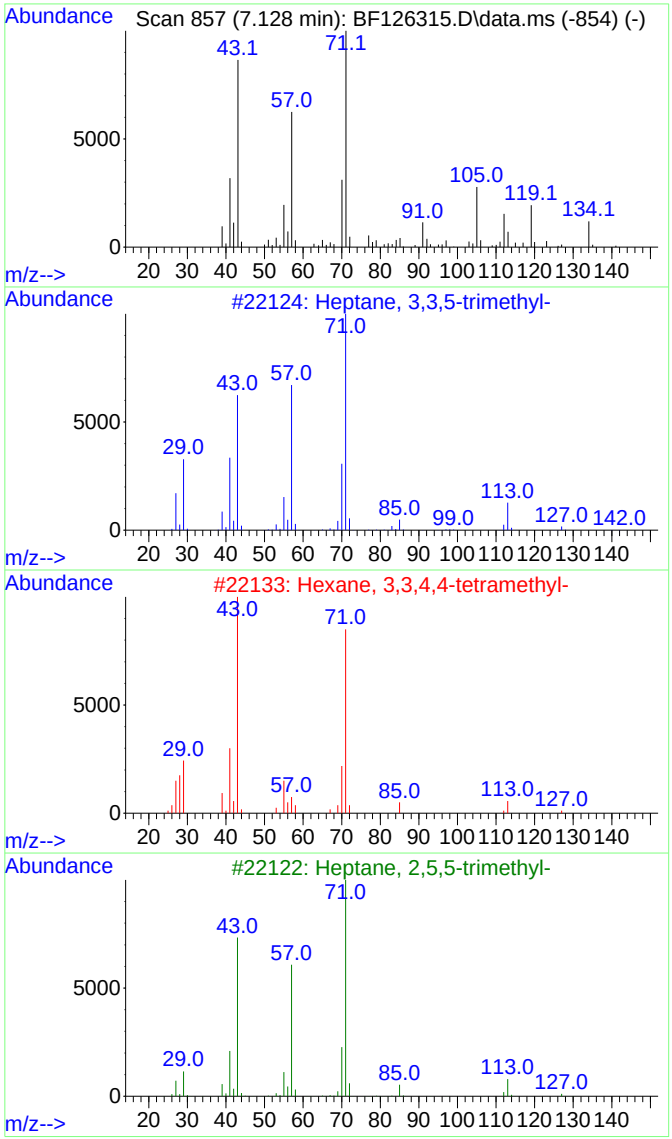
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

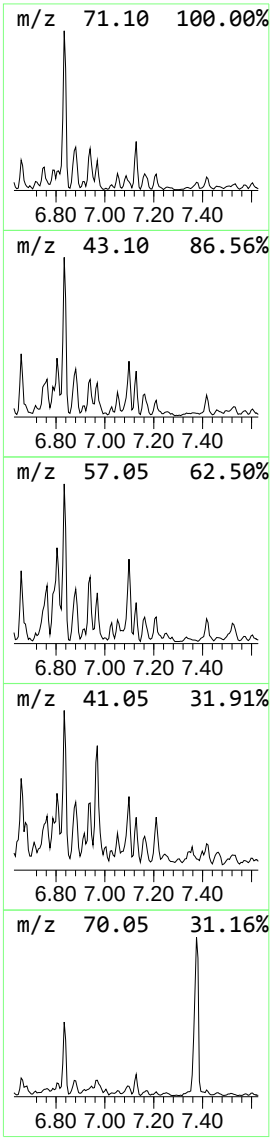
****

Peak Number 19 unknown7.128 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.128	4.18 ng	339682	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
2	Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	43
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	43
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	43
5	2,2'-Bifuran, octahydro-	142	C8H14O2	001592-33-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

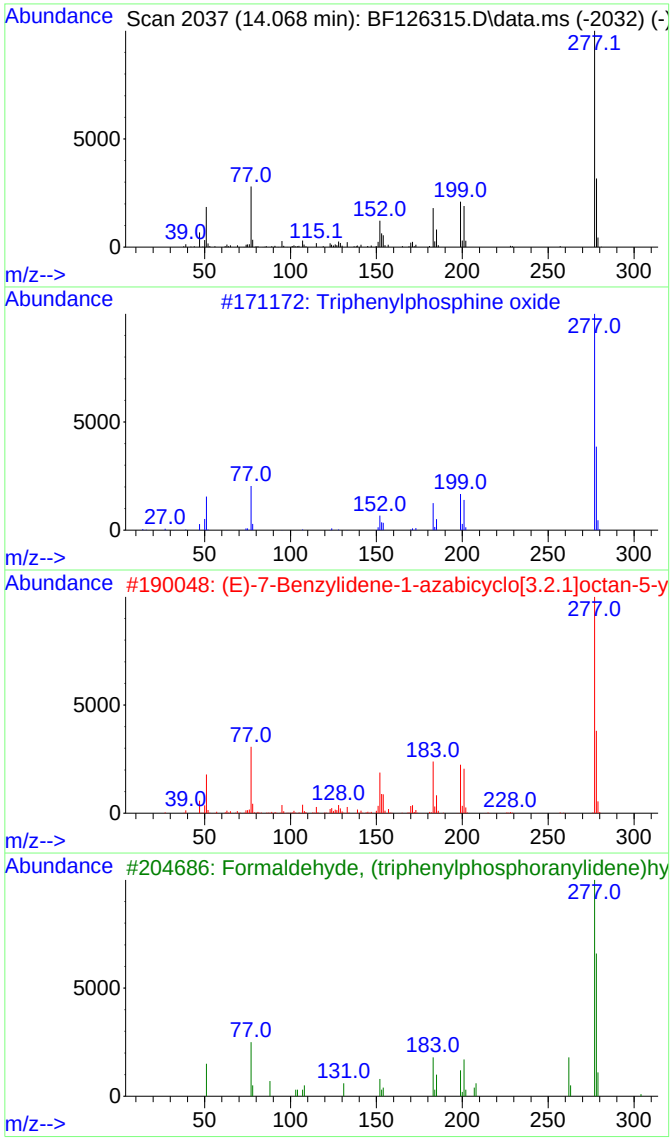
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

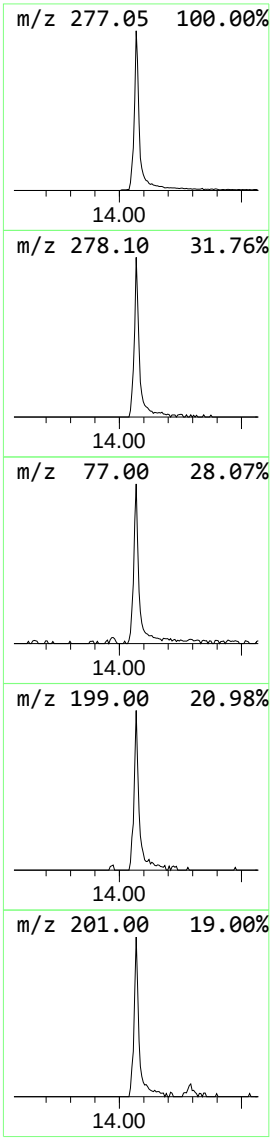
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Triphenylphosphine oxide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.069	5.84 ng	421293	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	96
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	76
3	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	50
4	Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	43
5	Carbazol-1-one, 1,2,3,4-tetrahyd...	277	C18H15NO2	299962-12-2	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126315.D
Acq On : 22 Dec 2021 00:56
Operator : JU/CG
Sample : M5179-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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
1-Ethyl-3-methy...	5.846	3.9	ng	320426	1	6.816	1626610	20.0
Hexane, 2,3,3-t...	5.898	3.8	ng	306439	1	6.816	1626610	20.0
unknown5.975	5.975	5.9	ng	479570	1	6.816	1626610	20.0
unknown6.075	6.075	15.1	ng	1231330	1	6.816	1626610	20.0
Heptane, 3-ethy...	6.128	5.8	ng	472847	1	6.816	1626610	20.0
Decane, 2,5,6-t...	6.263	9.5	ng	773418	1	6.816	1626610	20.0
Heptane, 2,3,4-...	6.322	7.9	ng	642580	1	6.816	1626610	20.0
Cyclohexane, 1,...	6.351	6.1	ng	499451	1	6.816	1626610	20.0
Benzene, 1-ethy...	6.375	4.3	ng	350226	1	6.816	1626610	20.0
Cyclohexane, 1-...	6.563	9.2	ng	743983	1	6.816	1626610	20.0
Cyclopentane, 1...	6.598	3.6	ng	295904	1	6.816	1626610	20.0
Mesitylene	6.645	7.6	ng	621263	1	6.816	1626610	20.0
Nonane	6.763	7.2	ng	584916	1	6.816	1626610	20.0
Benzene, 1,2,3-...	6.875	7.1	ng	574499	1	6.816	1626610	20.0
Dodecane, 2,7,1...	6.940	3.8	ng	304890	1	6.816	1626610	20.0
Cyclohexane, bu...	6.969	7.6	ng	620338	1	6.816	1626610	20.0
unknown7.098	7.098	4.8	ng	386964	1	6.816	1626610	20.0
unknown7.128	7.128	4.2	ng	339682	1	6.816	1626610	20.0
Triphenylphosph...	14.069	5.8	ng	421293	5	13.974	1443820	20.0