Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

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-BF110722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131076.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	10	18	25	rVB	367775	464137	26.40%	1.400%
2	5.122	511	516	523	rBV	391507	453809	25.81%	1.369%
3	5.493	575	579	580	rBV	102251	88553	5.04%	0.267%
4	5.522	580	584	587	rVB	1877432	1758321	100.00%	5.304%
5	6.140	684	689	696	rBV2	90682	142421	8.10%	0.430%
6	6.334	717	722	724	rBV3	56303	90370	5.14%	0.273%
7	6.357	724	726	730	rVV	105309	119314	6.79%	0.360%
8	6.422	734	737	741	rBV3	115482	165938	9.44%	0.501%
9	6.528	748	755	758	rVV	1771562	1693793	96.33%	5.109%
10	6.640	769	774	778	rBV5	64117	127670	7.26%	0.385%
11	6.675	778	780	785	rVB4	65901	83549	4.75%	0.252%
12	6.722	785	788	792	rBV3	129548	154032	8.76%	0.465%
13	6.898	815	818	821	rVB2	774656	683246	38.86%	2.061%
14	6.951	821	827	830	rBV3	97593	129932	7.39%	0.392%
15	7.004	834	836	839	rVV	112206	98497	5.60%	0.297%
16	7.040	839	842	846	rVB3	153275	152225	8.66%	0.459%
17	7.075	846	848	851	rBV2	153845	117092	6.66%	0.353%
18	7.122	853	856	858	rBV	90869	87695	4.99%	0.265%
19	7.145	858	860	861	rBV	132449	98795	5.62%	0.298%
20	7.169	861	864	866	rVB2	240148	222134	12.63%	0.670%
21	7.216	870	872	874	rBV	100144	81833	4.65%	0.247%
22	7.293	879	885	887	rBV2	212241	223102	12.69%	0.673%
23	7.322	887	890	895	rVB3	98483	138472	7.88%	0.418%
24	7.434	903	909	911	rBV2	344026	414071	23.55%	1.249%
25	7.463	911	914	919	rVV	1232208	1171546	66.63%	3.534%
26	7.540	922	927	930	rBV4	266480	419077	23.83%	1.264%
27	7.593	930	936	940	rBV5	163472	325106	18.49%	0.981%
28	7.645	940	945	946	rBV4	81081	95260	5.42%	0.287%
29	7.669	946	949	952	rVV3	272076	271803	15.46%	0.820%
30	7.704	952	955	957	rVB2	192518	180779	10.28%	0.545%
31	7.781	963	968	969	rBV3	185831	221581	12.60%	0.668%
32	7.822	972	975	978	rBV3	253094	261509	14.87%	0.789%
33	7.851	978	980	984	rVB2	153511	172389	9.80%	0.520%
34	7.922	989	992	994	rBV3	171544	197946	11.26%	0.597%
35	7.945	994	996	998	rVV2	107495	89157	5.07%	0.269%
36	7.998	1002	1005	1007	rBV3	143659	146708	8.34%	0.443%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

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-BF110722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.051	1011	1014	1017	rVB2	222246	213719	12.15%	0.645%
38	8.081	1017	1019	1021	rBV	86550	80982	4.61%	0.244%
39	8.128	1023	1027	1030	rBV5	137138	188646	10.73%	0.569%
40	8.187	1030	1037	1039	rVV	707346	927438	52.75%	2.797%
41	8.234	1042	1045	1048	rVB2	700609	660834	37.58%	1.993%
42	8.269	1048	1051	1053	rBV3	252889	267019	15.19%	0.805%
43	8.334	1059	1062	1064	rBV4	86034	98042	5.58%	0.296%
44	8.357	1064	1066	1068	rVV2	97990	94455	5.37%	0.285%
45	8.381	1068	1070	1073	rVB2	165337	157497	8.96%	0.475%
46	8.469	1082	1085	1090	rVB5	329452	407290	23.16%	1.228%
47	8.528	1092	1095	1098	rVV4	116144	144632	8.23%	0.436%
48	8.569	1098	1102	1104	rVV3	158306	194440	11.06%	0.586%
49	8.598	1104	1107	1109	rVV	709407	575506	32.73%	1.736%
50	8.622	1109	1111	1113	rVV3	197854	202600	11.52%	0.611%
51	8.645	1113	1115	1119	rVB4	144832	155466	8.84%	0.469%
52	8.687	1119	1122	1124	rBV	173205	138247	7.86%	0.417%
53	8.722	1124	1128	1130	rVV4	134968	176284	10.03%	0.532%
54	8.745	1130	1132	1134	rVV2	98400	97321	5.53%	0.294%
55	8.769	1134	1136	1140	rVV4	163035	217619	12.38%	0.656%
56	8.810	1140	1143	1145	rVV3	139954	214519	12.20%	0.647%
57	8.863	1149	1152	1156	rVV4	216957	293035	16.67%	0.884%
58	8.928	1161	1163	1165	rVB2	117969	87230	4.96%	0.263%
59	8.957	1165	1168	1171	rBV5	134111	167980	9.55%	0.507%
60	8.998	1173	1175	1178	rVV2	138454	162413	9.24%	0.490%
61	9.057	1182	1185	1188	rVV5	102042	181231	10.31%	0.547%
62	9.087	1188	1190	1194	rVV3	194773	223159	12.69%	0.673%
63	9.128	1194	1197	1202	rVV5	73143	137354	7.81%	0.414%
64	9.175	1203	1205	1206	rVV	106307	80584	4.58%	0.243%
65	9.198	1206	1209	1212	rVV	606481	528413	30.05%	1.594%
66	9.263	1215	1220	1224	rVB	1792860	1602415	91.13%	4.833%
67	9.339	1229	1233	1237	rVV3	192609	284430	16.18%	0.858%
68	9.375	1237	1239	1243	rVV3	106421	154435	8.78%	0.466%
69	9.410	1243	1245	1247	rVV	108554	93523	5.32%	0.282%
70	9.522	1262	1264	1270	rVB3	104802	123582	7.03%	0.373%
71	9.598	1274	1277	1280	rVV2	147627	194037	11.04%	0.585%
72	9.657	1283	1287	1290	rVV3	465736	540569	30.74%	1.630%
73	9.804	1309	1312	1315	rVB3	119893	103290	5.87%	0.312%
74	9.851	1317	1320	1326	rVV4	111358	146317	8.32%	0.441%
75	9.945	1331	1336	1339	rVB	588172	543355	30.90%	1.639%
76	10.145	1368	1370	1374	rVB2	88614	82799	4.71%	0.250%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

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-BF110722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	10.186	1374	1377	1385	rVB3	99326	162630	9.25%	0.491%
78	10.586	1442	1445	1448	rBV	116251	94133	5.35%	0.284%
79	10.733	1467	1470	1475	rBV	935441	873630	49.69%	2.635%
80	10.851	1486	1490	1494	rBV	175646	227711	12.95%	0.687%
81	11.322	1567	1570	1576	rVB2	90300	116623	6.63%	0.352%
82	11.439	1586	1590	1592	rBV	579363	490808	27.91%	1.480%
83	11.463	1592	1594	1599	rVV	198016	167355	9.52%	0.505%
84	11.822	1652	1655	1658	rBV	432521	333143	18.95%	1.005%
85	11.969	1676	1680	1687	rBV	547200	459322	26.12%	1.385%
86	12.098	1699	1702	1705	rVB	1306316	993048	56.48%	2.995%
87	12.516	1770	1773	1774	rBV	786625	669984	38.10%	2.021%
88	12.533	1774	1776	1783	rVB	891900	807969	45.95%	2.437%
89	12.622	1788	1791	1794	rBV	178716	152900	8.70%	0.461%
90	12.657	1794	1797	1799	rBV	324010	310795	17.68%	0.937%
91	12.686	1799	1802	1809	rVB2	259920	304727	17.33%	0.919%
92	12.763	1812	1815	1817	rBV	1051205	1028344	58.48%	3.102%
93	12.780	1817	1818	1821	rVB	822714	630575	35.86%	1.902%
94	12.869	1830	1833	1834	rBV	147218	129262	7.35%	0.390%
95	12.886	1834	1836	1843	rVB	247849	246887	14.04%	0.745%
96	13.033	1857	1861	1864	rBV	1560200	1464087	83.27%	4.416%
97	13.251	1896	1898	1901	rBV2	76491	84257	4.79%	0.254%
98	14.063	2033	2036	2037	rBV	206774	179430	10.20%	0.541%
99	14.092	2038	2041	2043	rVB2	526437	486981	27.70%	1.469%
100	15.598	2294	2297	2306	rVB	306816	454544	25.85%	1.371%

Sum of corrected areas: 33153714

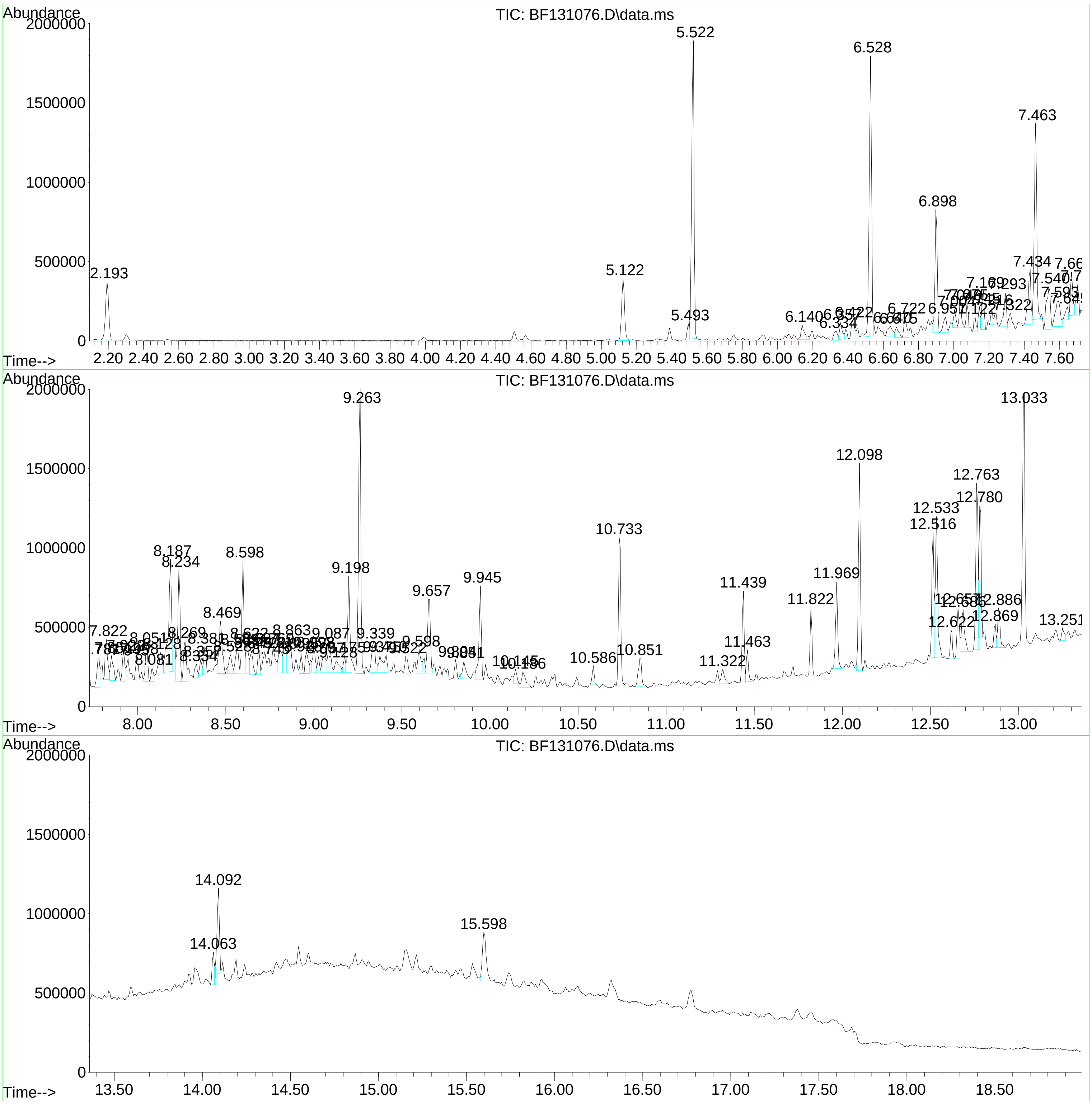
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

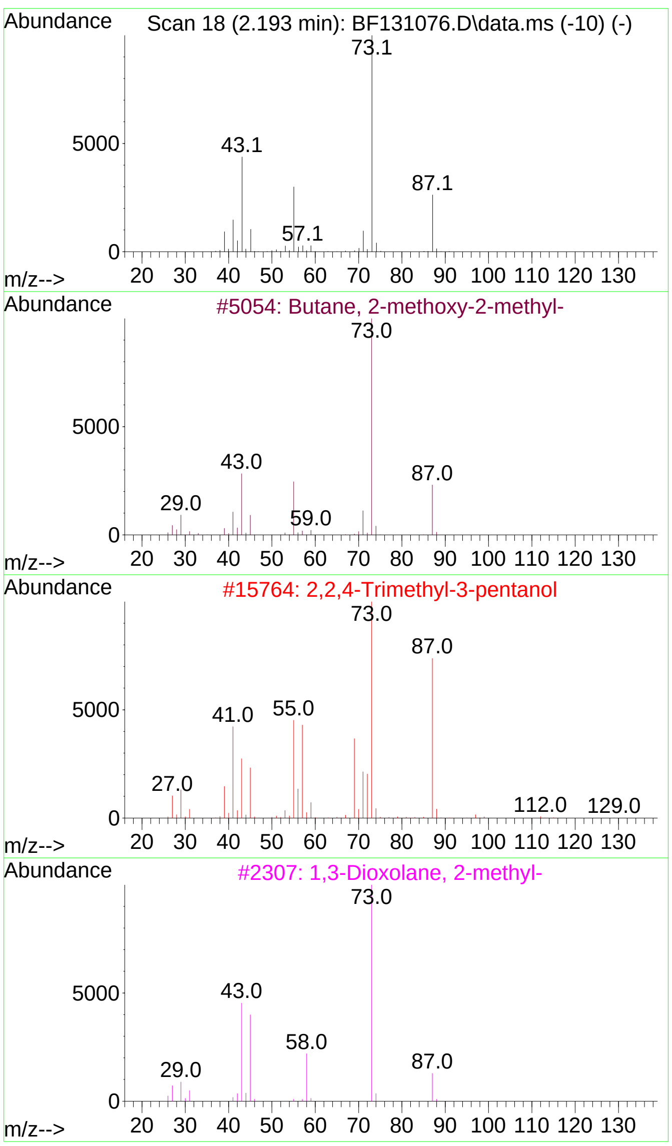
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

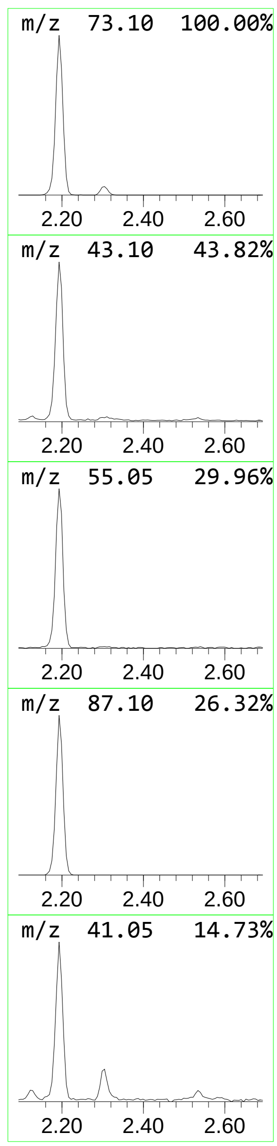


```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

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

  R.T.     EstConc          Area       Relative to ISTD         R.T.
----------------------------------------------------------------------
  2.193   13.59 ng         464137   1,4-Dichlorobenzene-d4      6.898

 Hit# of  5    Tentative ID              MW  MolForm       CAS#      Qual
----------------------------------------------------------------------
 1 Butane, 2-methoxy-2-methyl-          102 C6H14O        000994-05-8 83
 2 2,2,4-Trimethyl-3-pentanol           130 C8H18O        005162-48-1 39
 3 1,3-Dioxolane, 2-methyl-              88 C4H8O2        000497-26-7 25
 4 Boronic acid, ethyl-, dimethyl e... 102 C4H11BO2      007318-82-3 12
 5 Pentane, 3-methoxy-                  102 C6H14O        036839-67-5 12
```





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

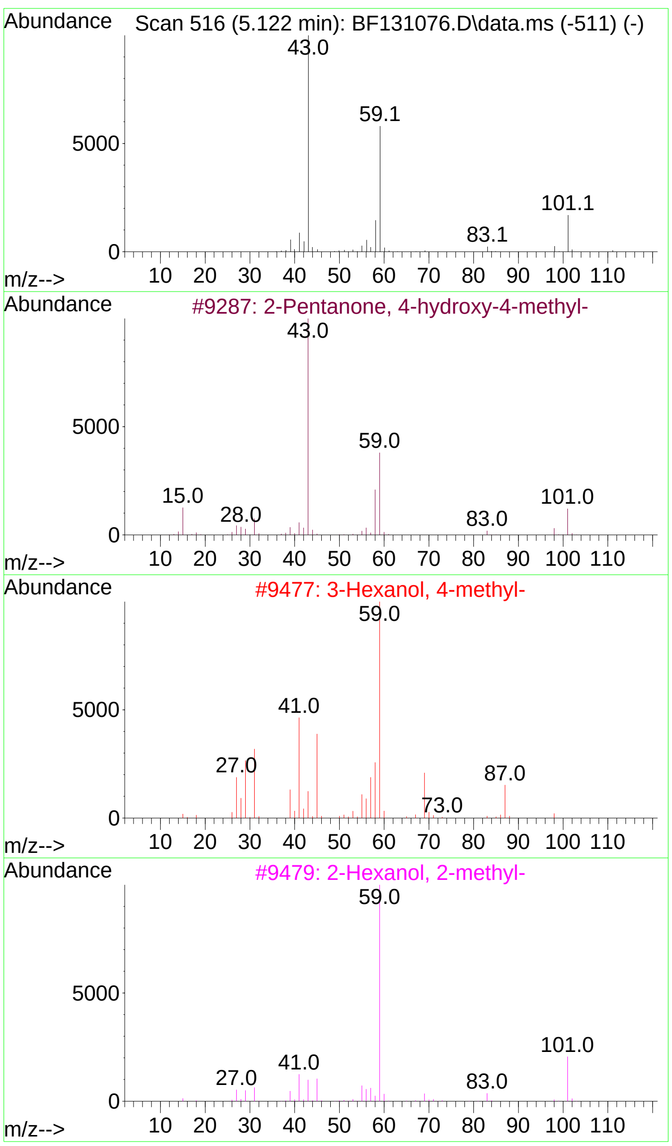
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

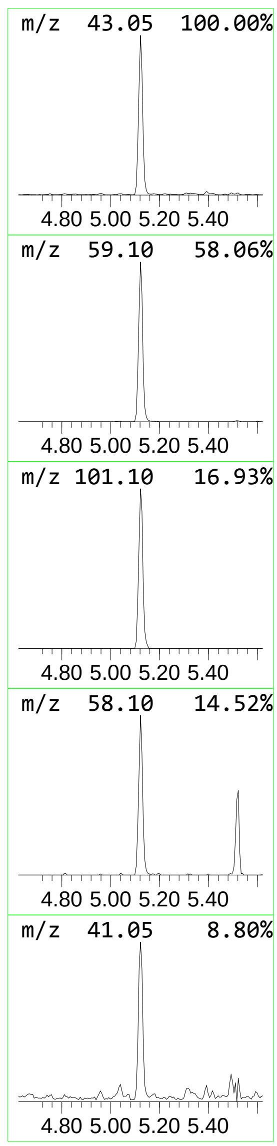
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.122	13.28 ng	453809	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

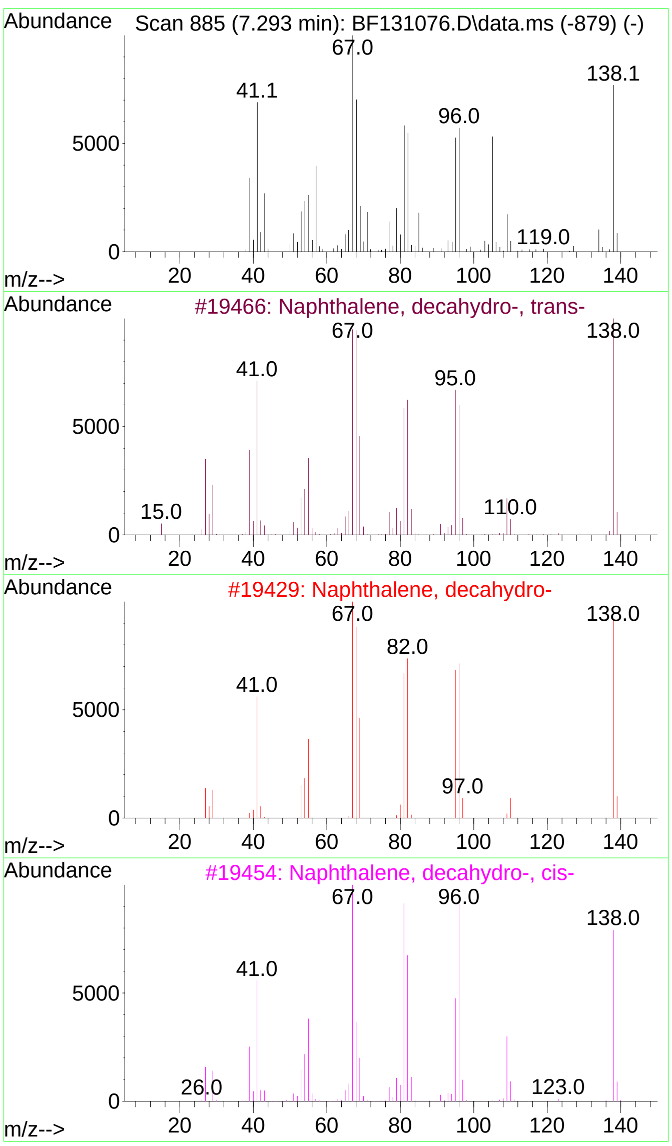
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

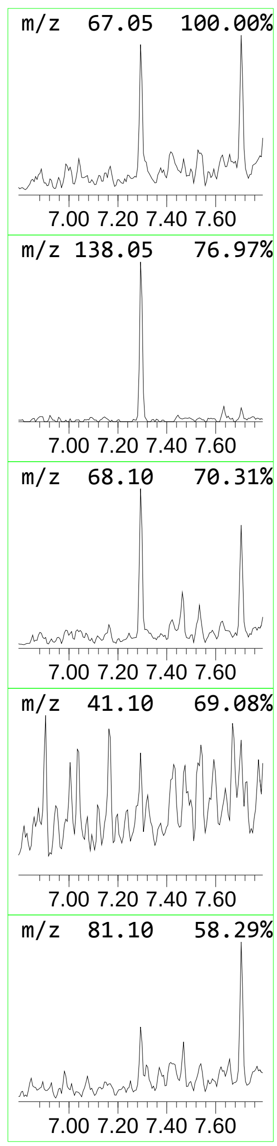
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.293	6.53 ng	223102	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
4	Spiro[4.5]decane	138	C10H18	000176-63-6	74
5	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	72





Library Search Compound Report

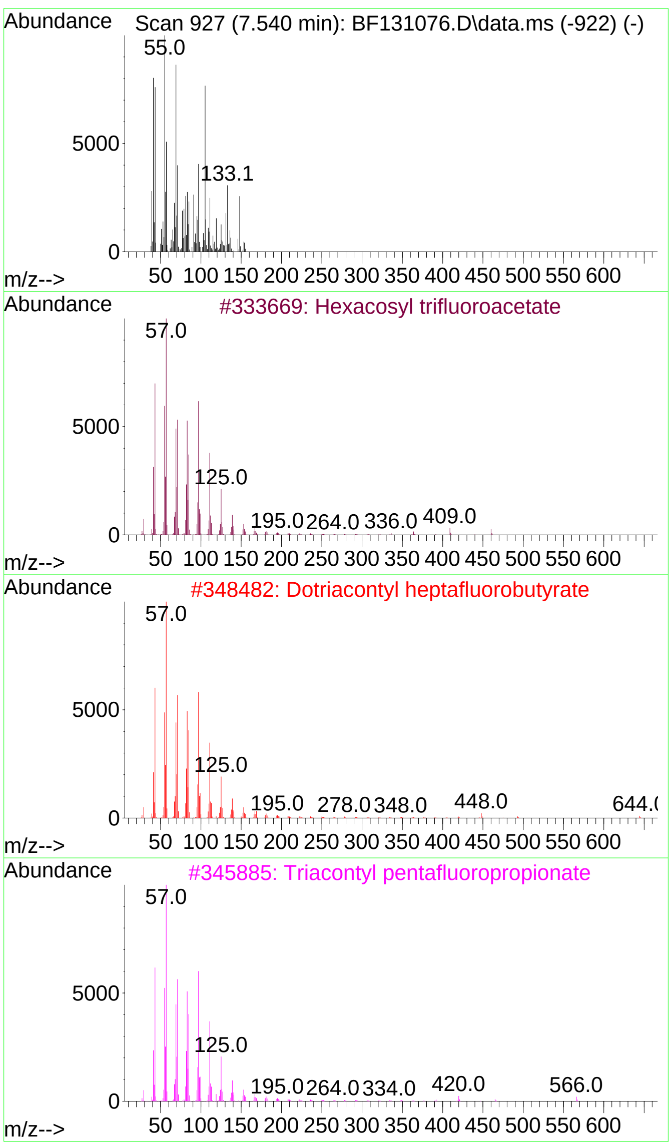
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

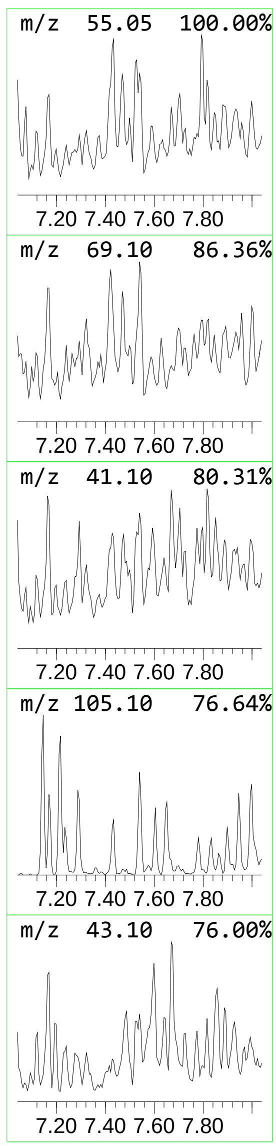
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

```
**********************************************************************
Peak Number  4  unknown7.540                    Concentration Rank 13
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.540	12.27 ng	419077	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	38
2	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	38
3	Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	38
4	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1010351-81-4	38
5	Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

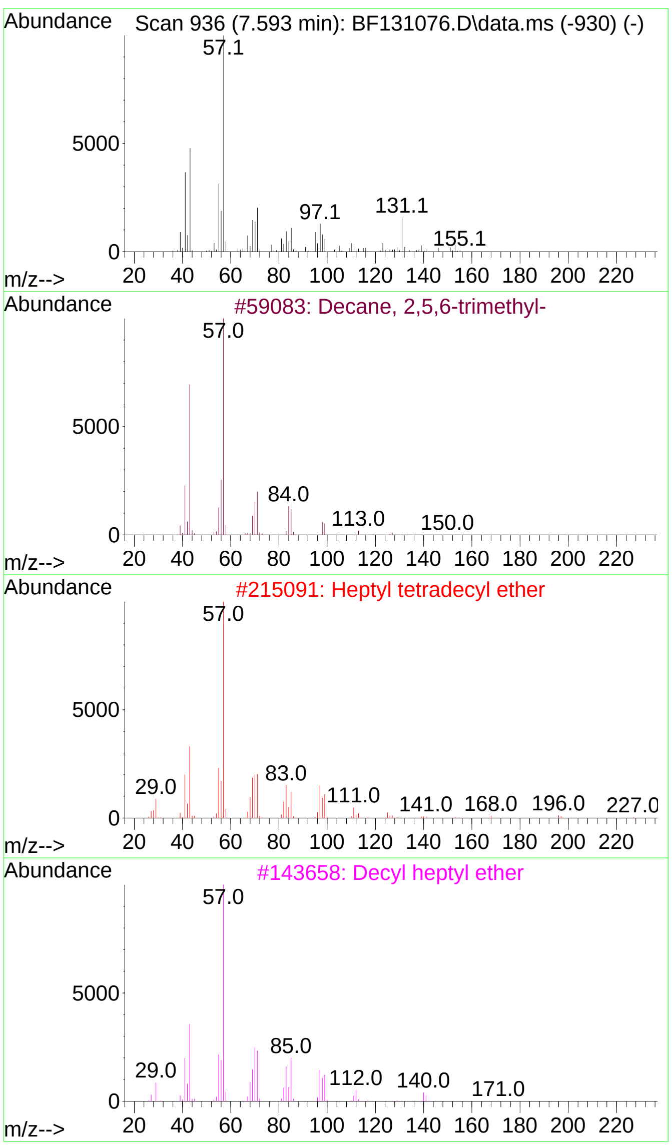
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

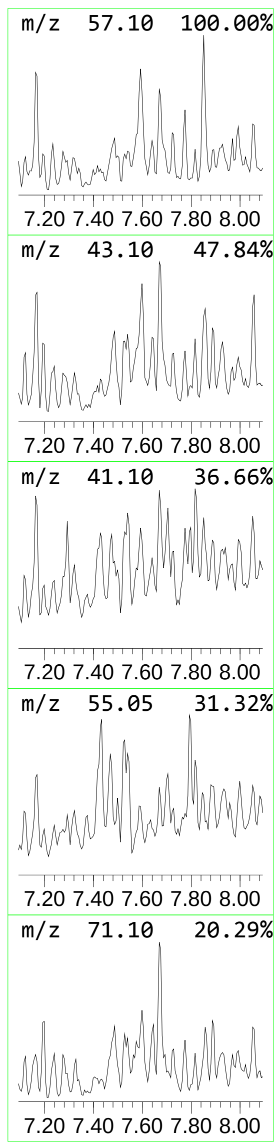
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown7.593 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.593	7.01 ng	325106	Naphthalene-d8	8.187

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	49
2	Heptyl tetradecyl ether	312	C21H44O	1000406-39-3	38
3	Decyl heptyl ether	256	C17H36O	1000406-39-1	38
4	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	35
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

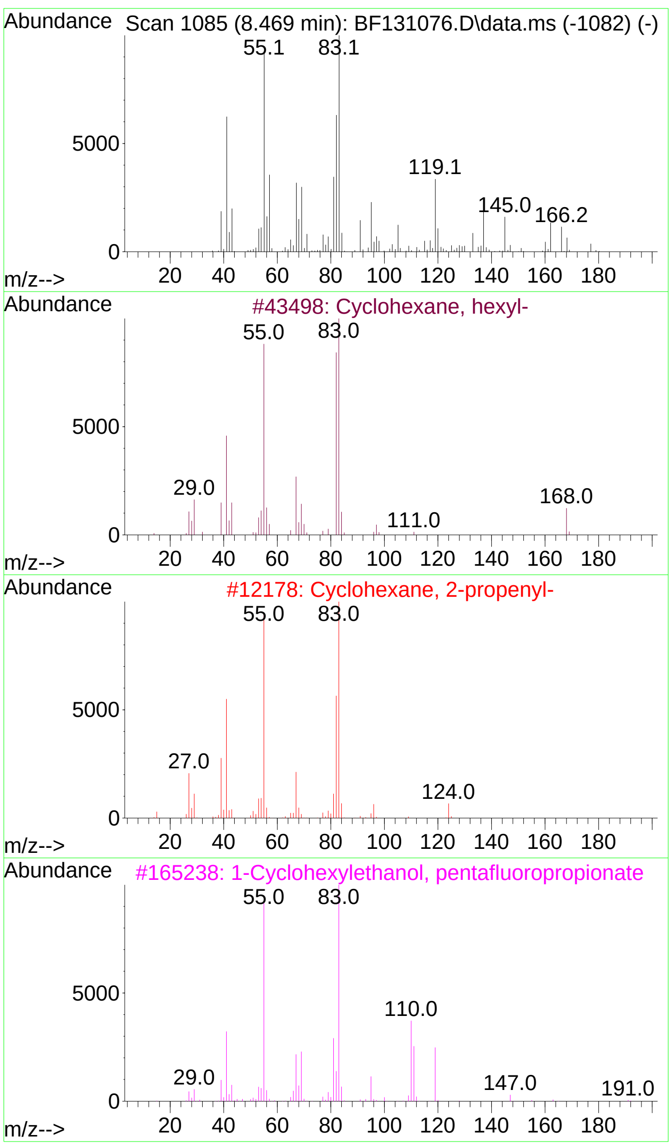
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

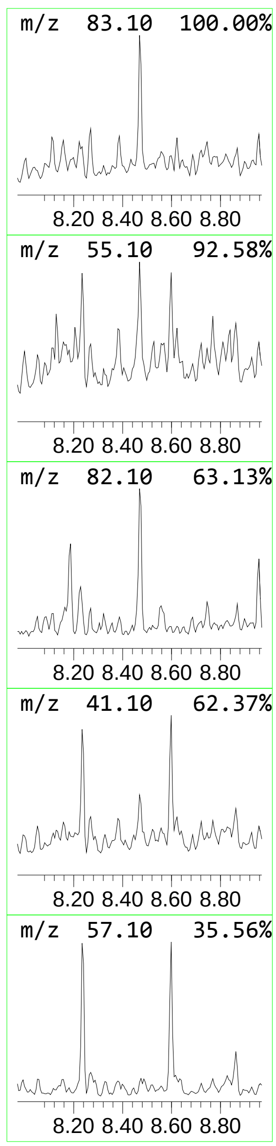
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown8.469 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	8.78 ng	407290	Naphthalene-d8	8.187

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	49
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	47
3	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	46
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	43





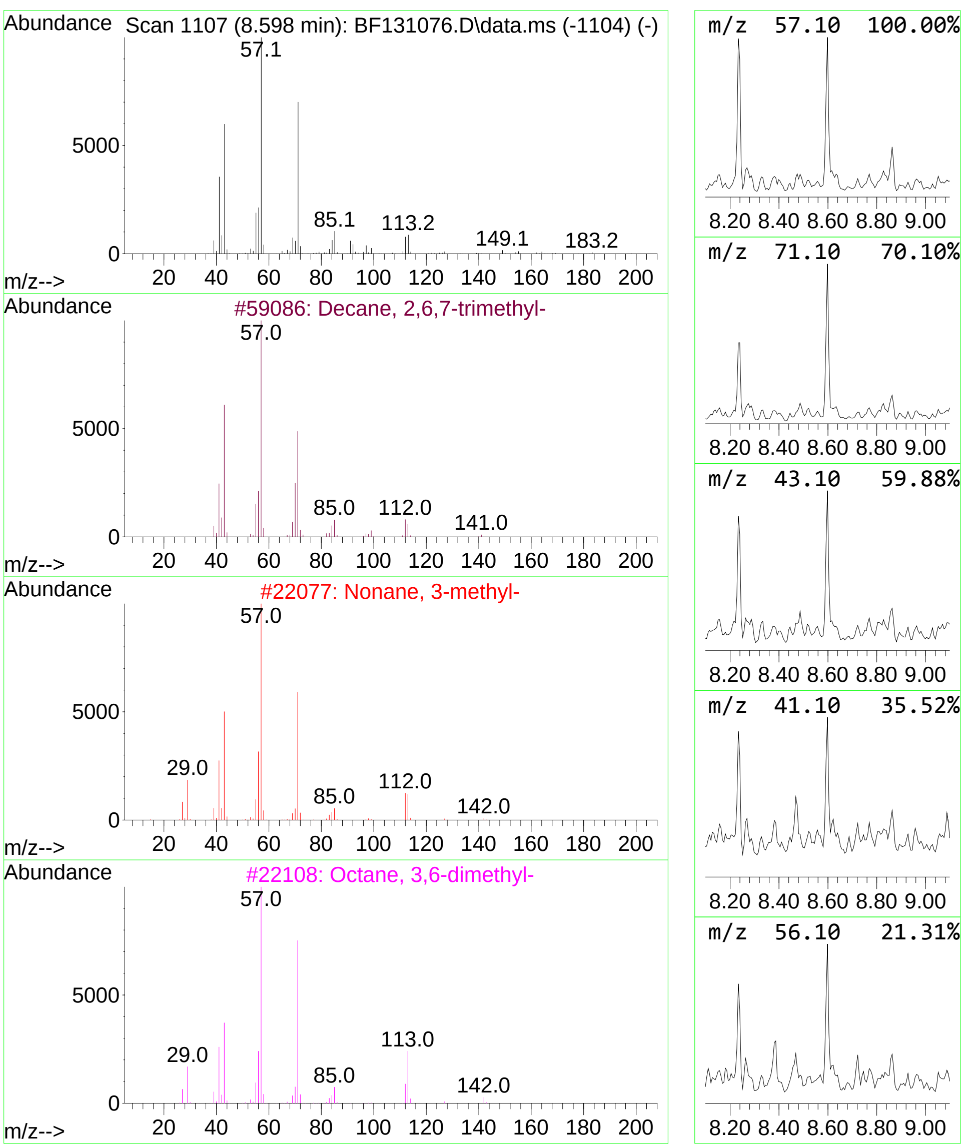
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

```
*********************************************************************
Peak Number  7  Decane, 2,6,7-trimethyl-        Concentration Rank 12
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.598	12.41 ng	575506	Naphthalene-d8	8.187

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

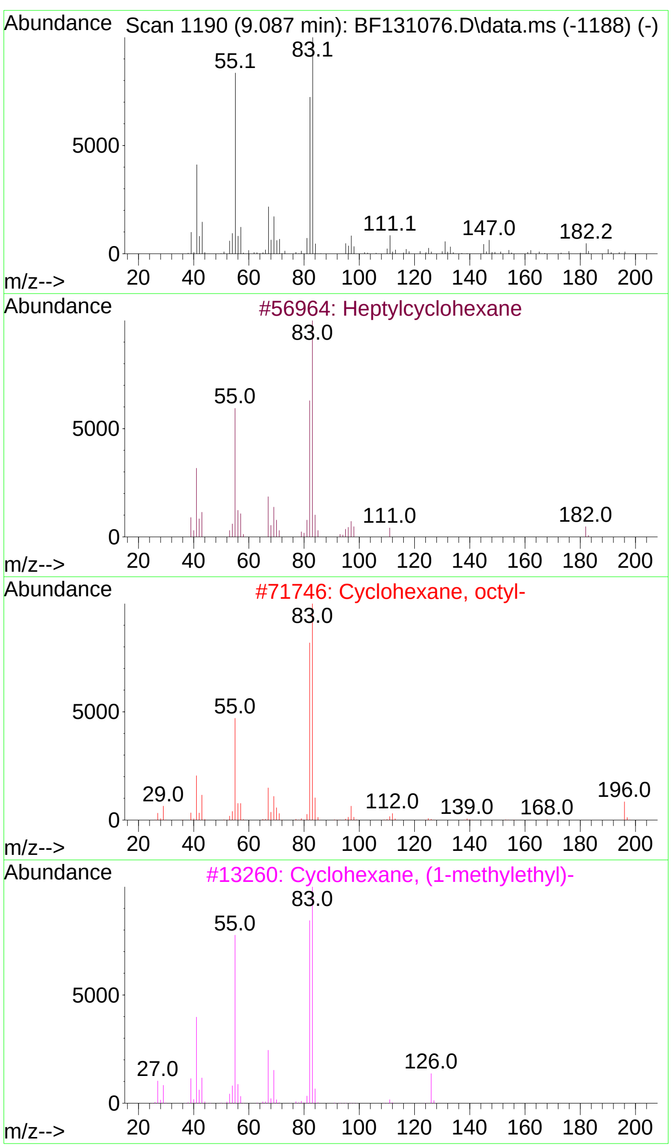
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

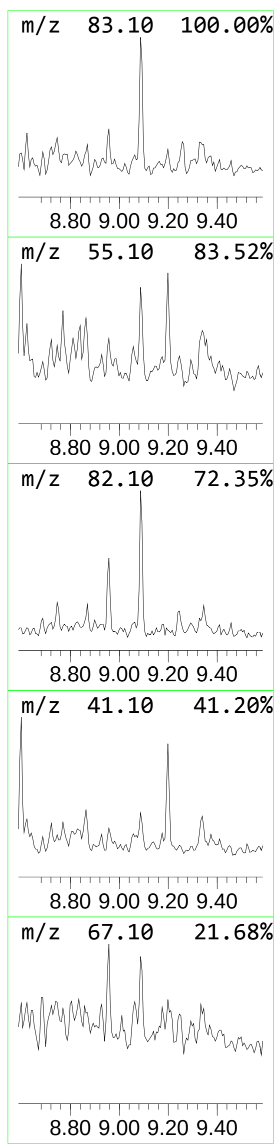
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Heptylcyclohexane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.087	8.21 ng	223159	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	90
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	83
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

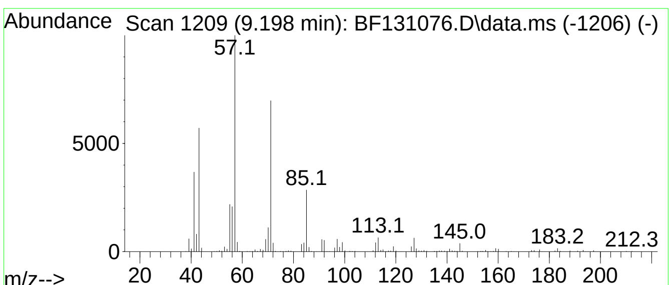
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

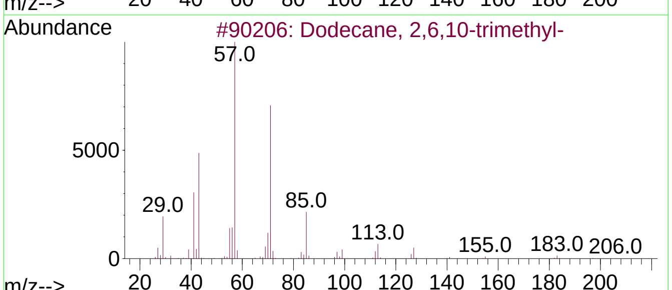
****

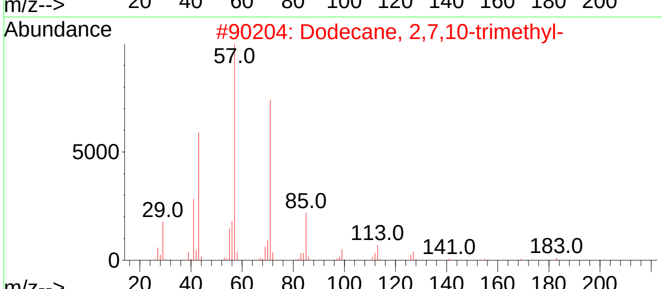
Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

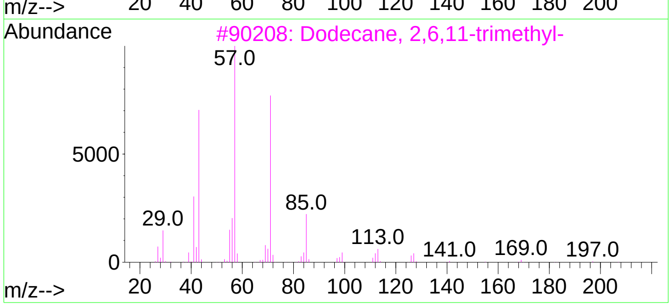
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.198	19.45 ng	528413	Acenaphthene-d10	9.945

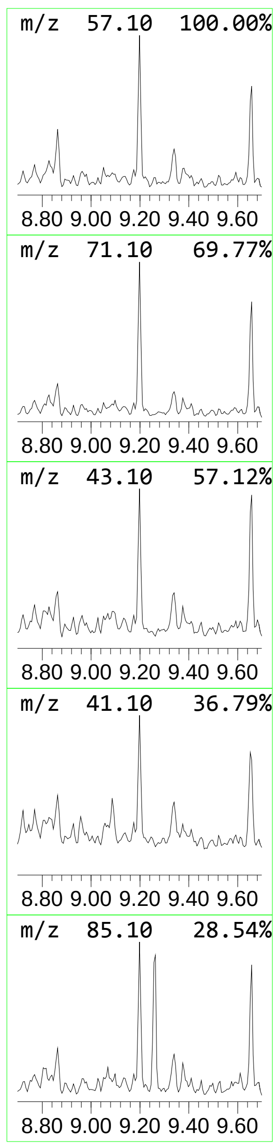
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4	Octane, 2-methyl-	128	C9H20	003221-61-2	64
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64











Library Search Compound Report

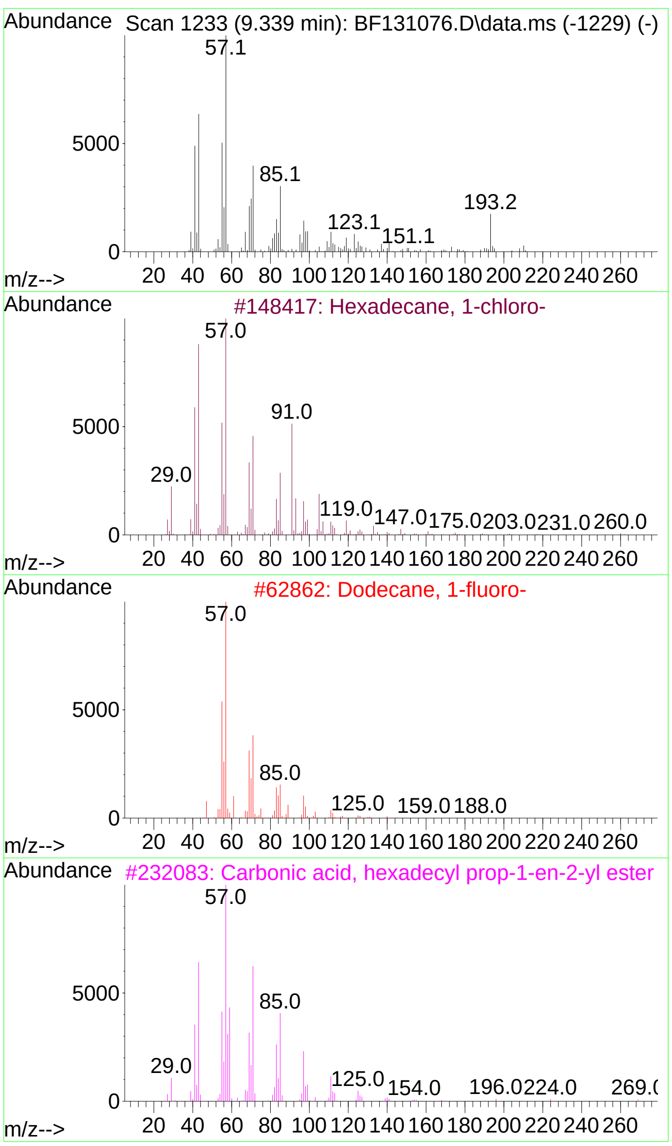
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

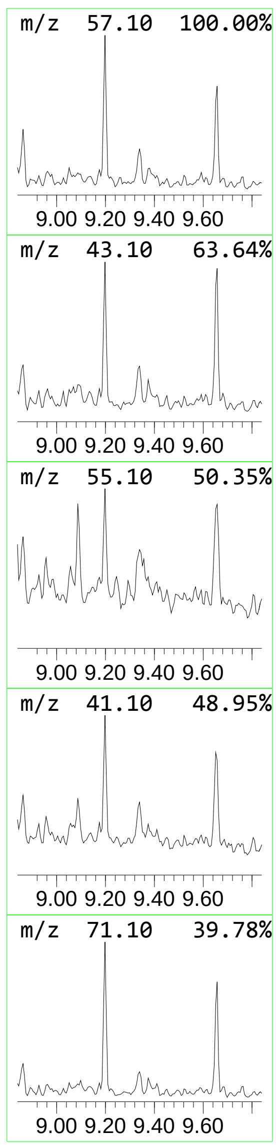
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

```
**********************************************************************
Peak Number 10  Hexadecane, 1-chloro-          Concentration Rank 14
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.339	10.47 ng	284430	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	80
2	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	62
3	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	58
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
5	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

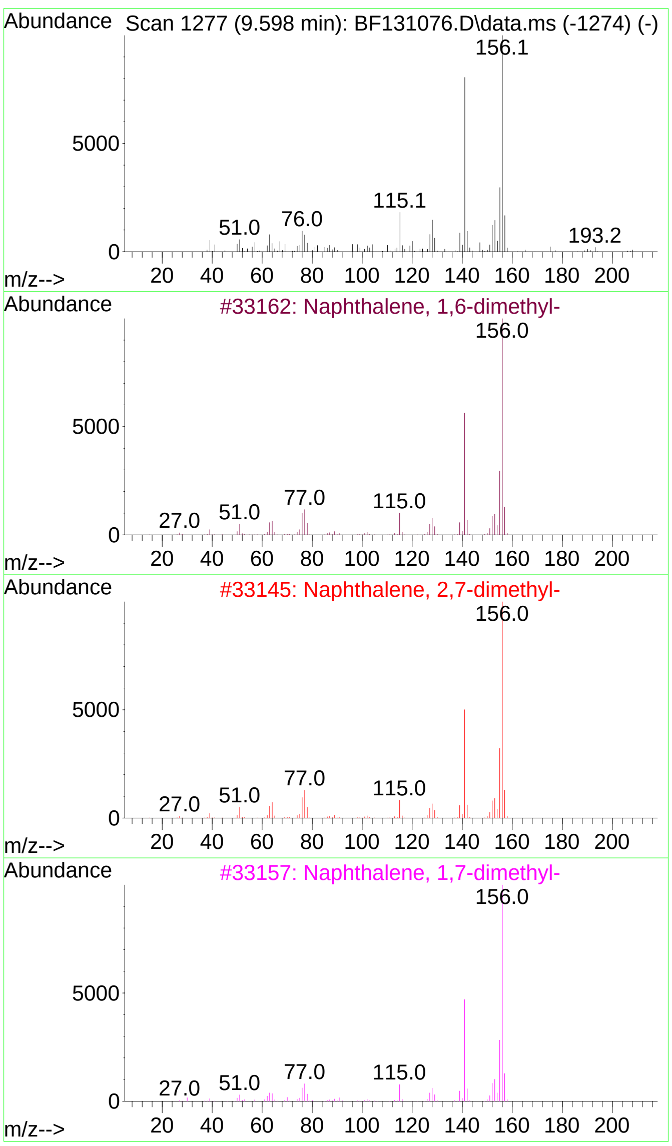
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

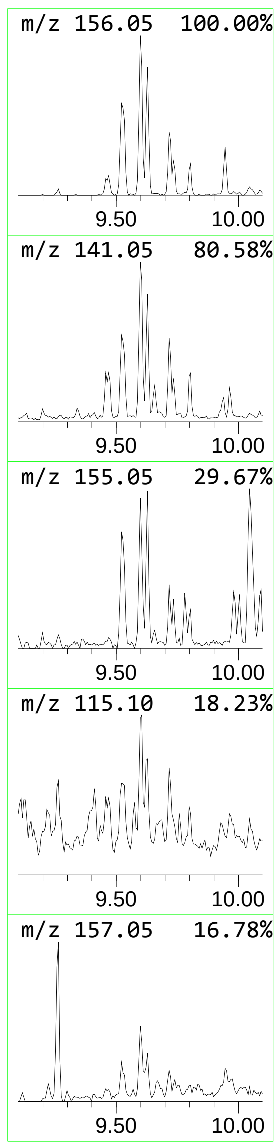
****

Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.598	7.14 ng	194037	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	$C_{12}H_{12}$	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	$C_{12}H_{12}$	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	$C_{12}H_{12}$	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	$C_{12}H_{12}$	000581-40-8	97
5	Naphthalene, 1,5-dimethyl-	156	$C_{12}H_{12}$	000571-61-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

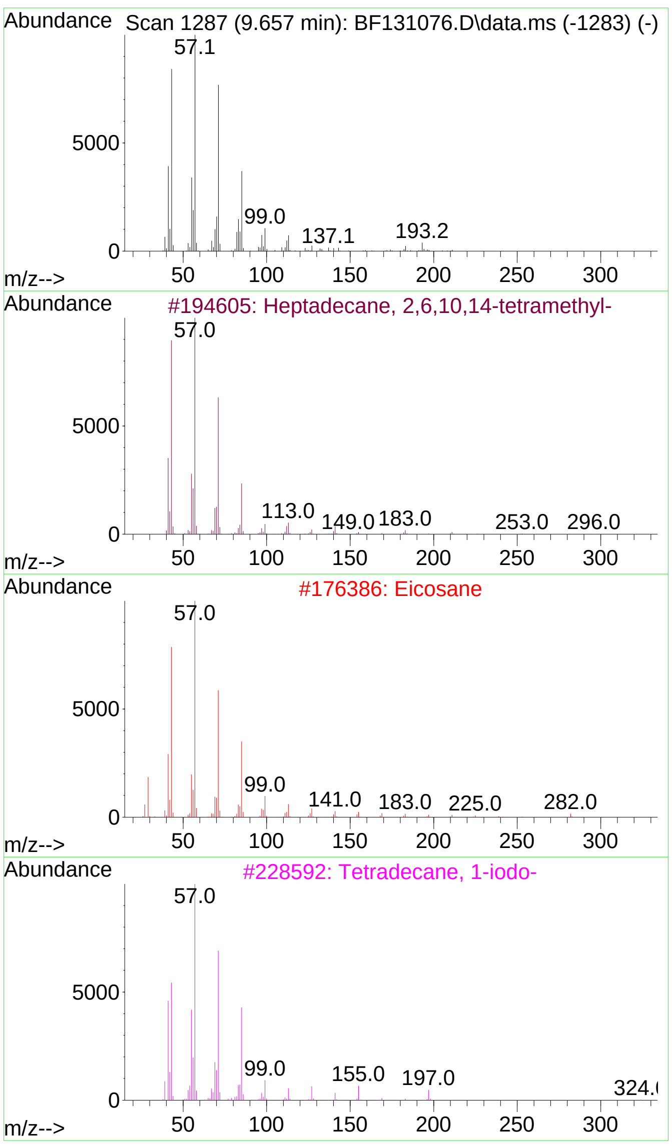
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

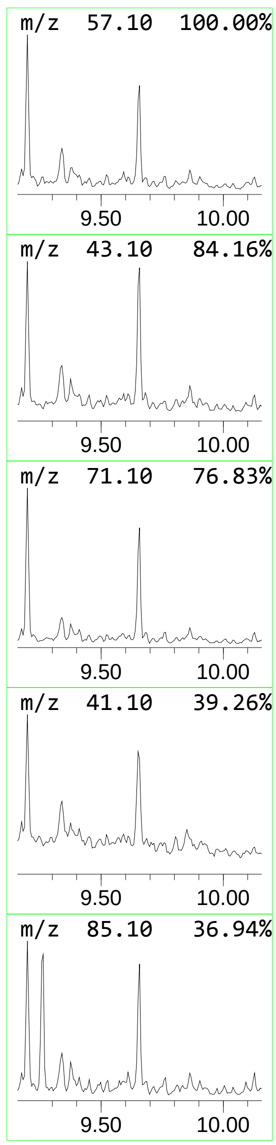
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Heptadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.657	19.90 ng	540569	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	86
2	Eicosane	282	C20H42	000112-95-8	86
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Nonadecane	268	C19H40	000629-92-5	86





Library Search Compound Report

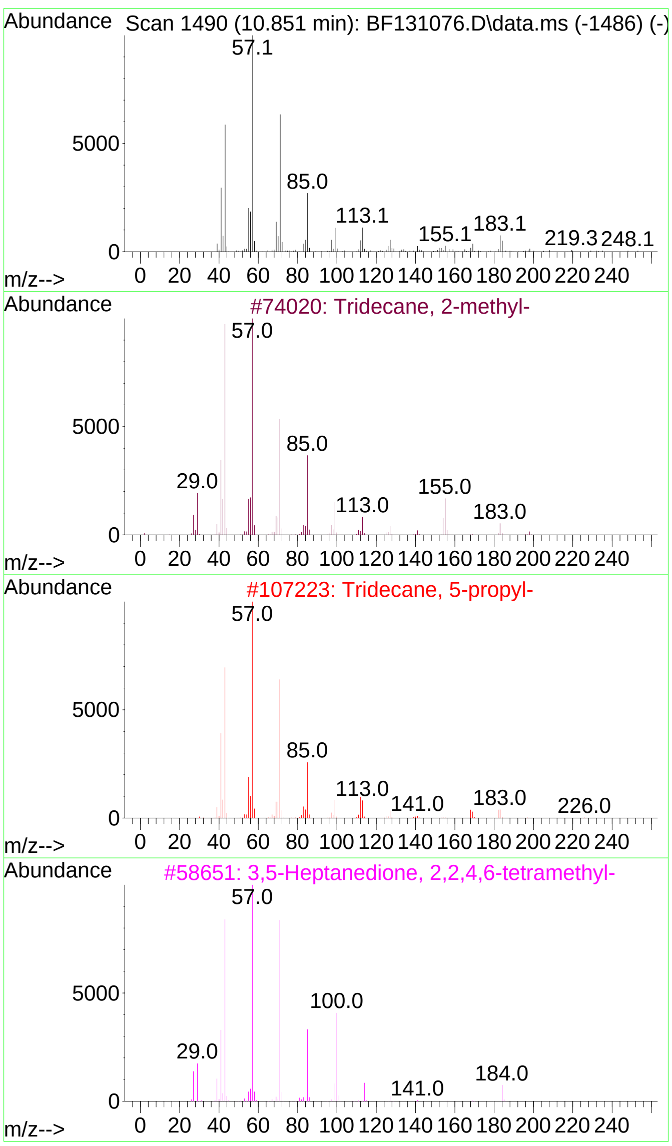
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

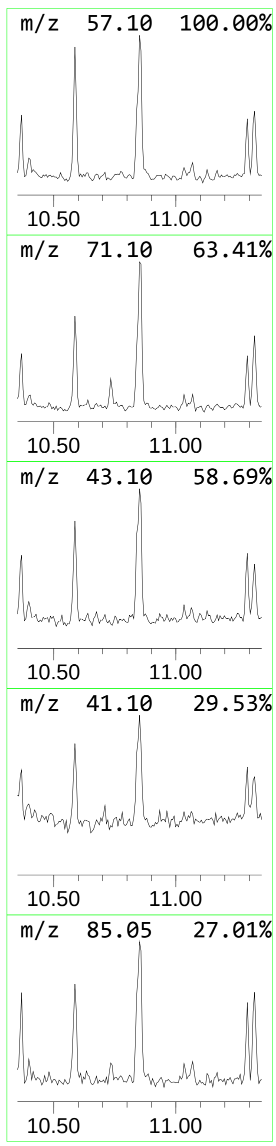
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

```
**********************************************************************
Peak Number 13  Tridecane, 2-methyl-          Concentration Rank 15
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.851	9.28 ng	227711	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	3,5-Heptanedione, 2,2,4,6-tetram...	184	C11H20O2	1000162-24-5	74
4	Octane, 2-methyl-	128	C9H20	003221-61-2	58
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

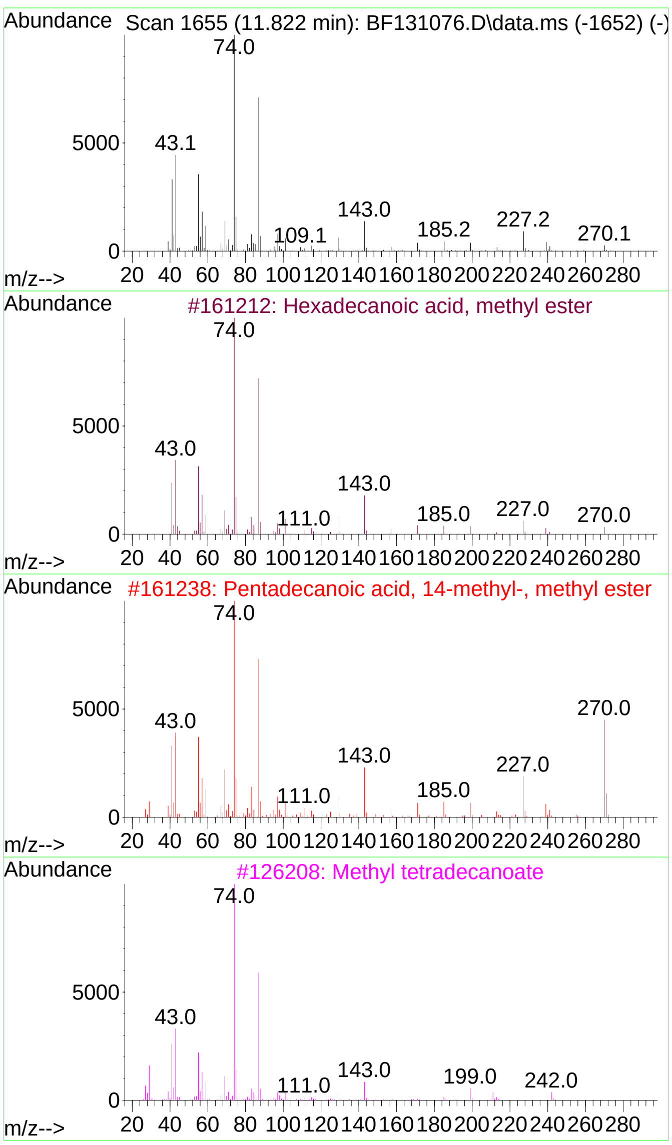
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

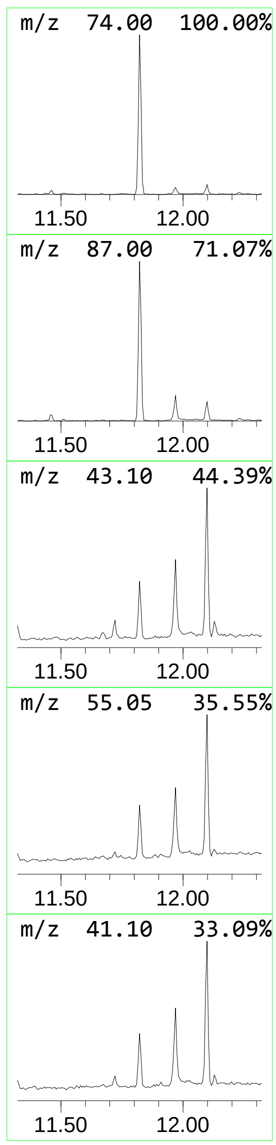
****

Peak Number 14 Hexadecanoic acid, methyl e... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	13.58 ng	333143	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	80





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

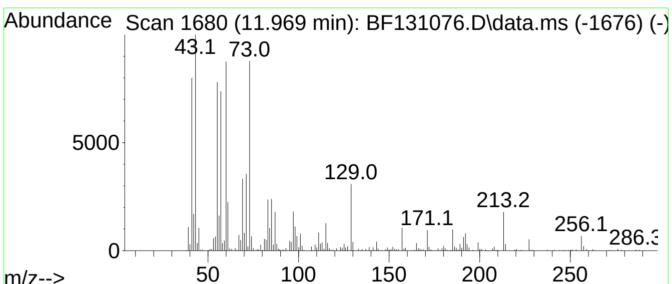
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

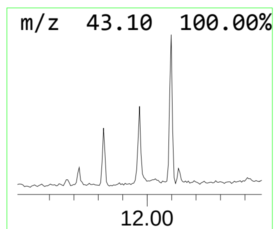
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

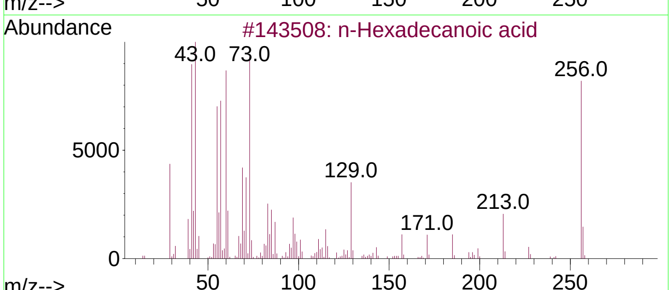
****
Peak Number 15 n-Hexadecanoic acid Concentration Rank 8

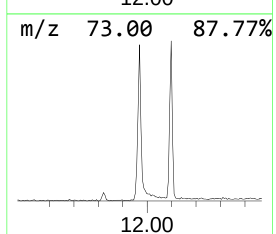
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	18.72 ng	459322	Phenanthrene-d10	11.439

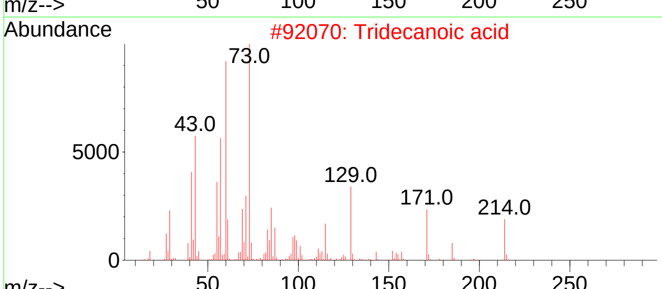
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	64

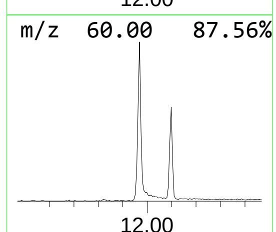


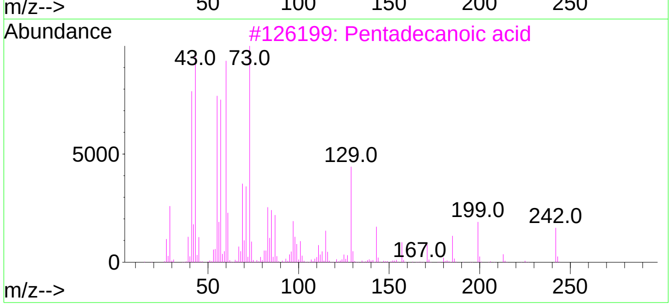


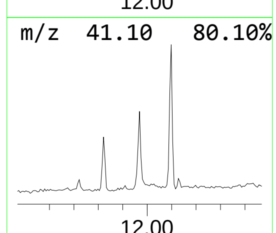


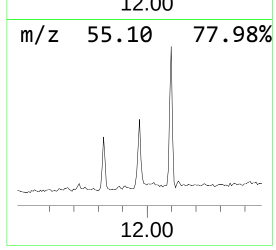












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

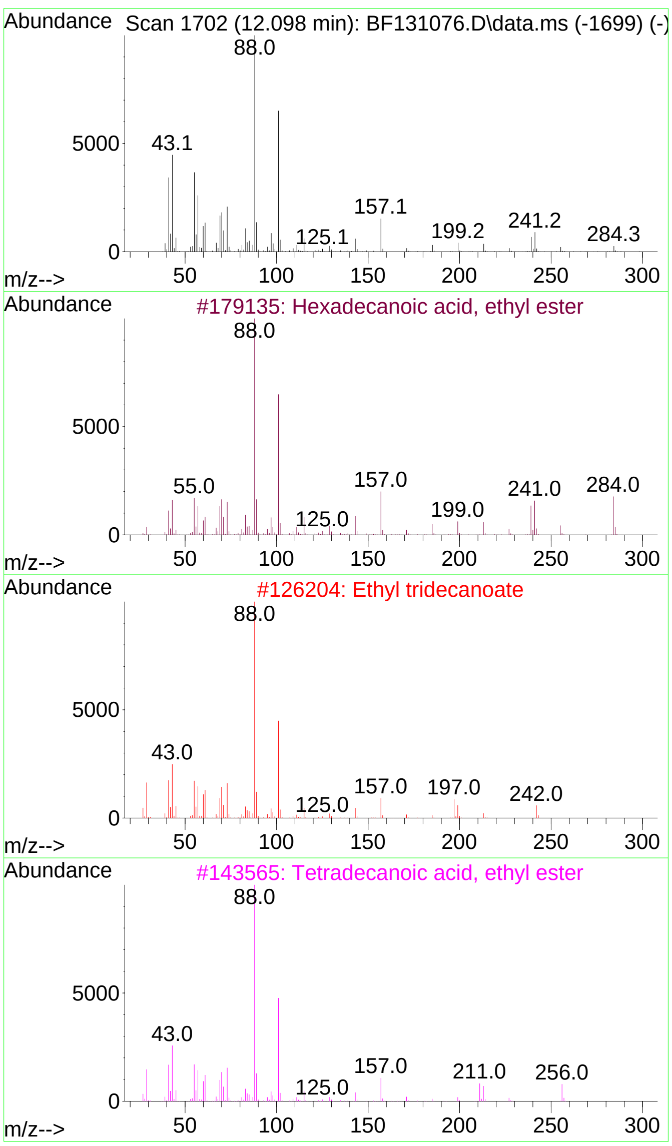
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

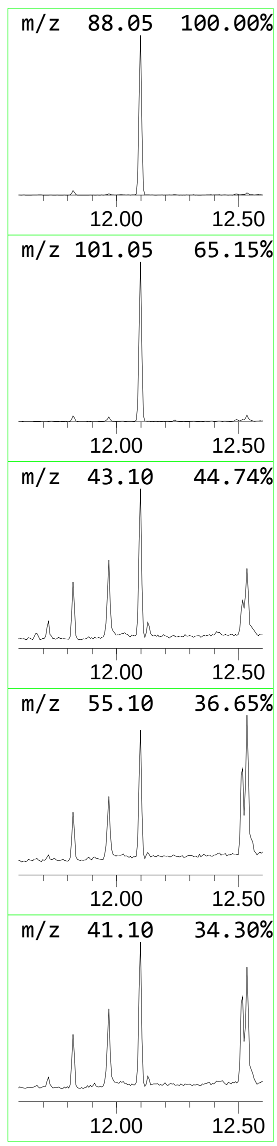
****

Peak Number 16 Hexadecanoic acid, ethyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	40.47 ng	993048	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, ethyl ester	284	C18H36O2	000628-97-7	97
2	Ethyl tridecanoate	242	C15H30O2	028267-29-0	95
3	Tetradecanoic acid, ethyl ester	256	C16H32O2	000124-06-1	91
4	Pentadecanoic acid, ethyl ester	270	C17H34O2	041114-00-5	91
5	8-Methylnonanoic acid, ethyl ester	200	C12H24O2	1000452-00-8	90





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

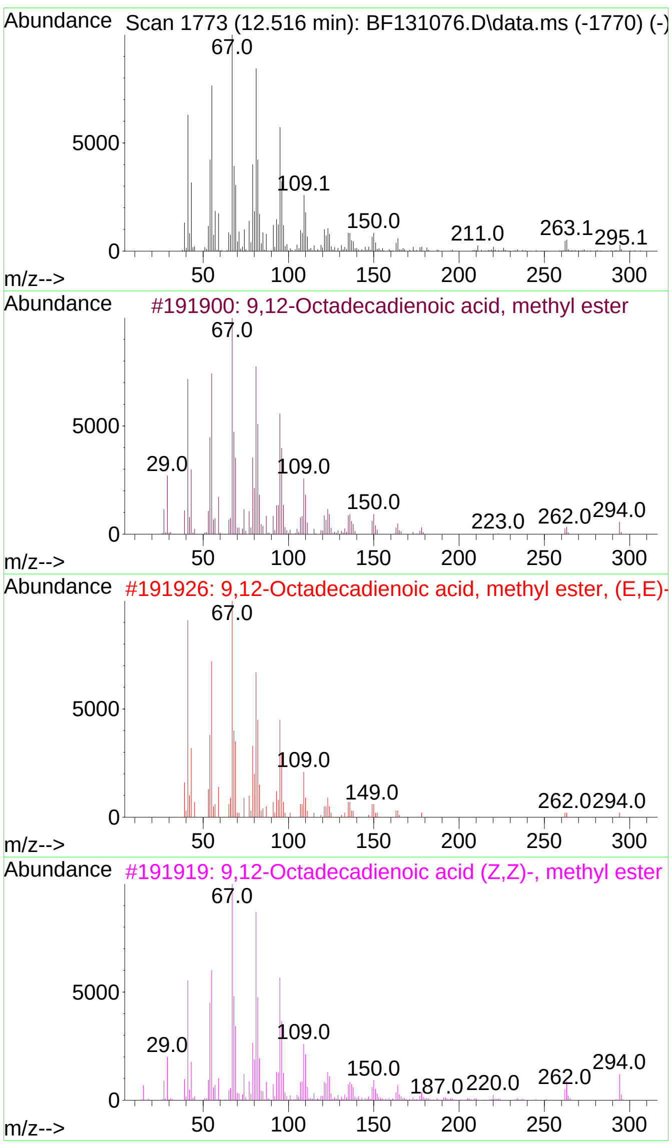
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

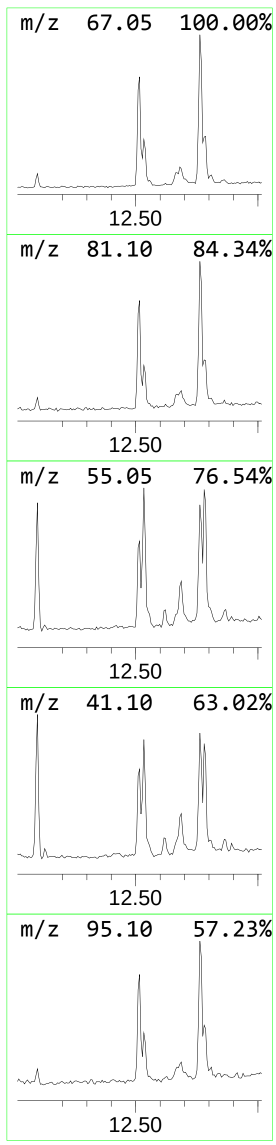
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	27.30 ng	669984	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

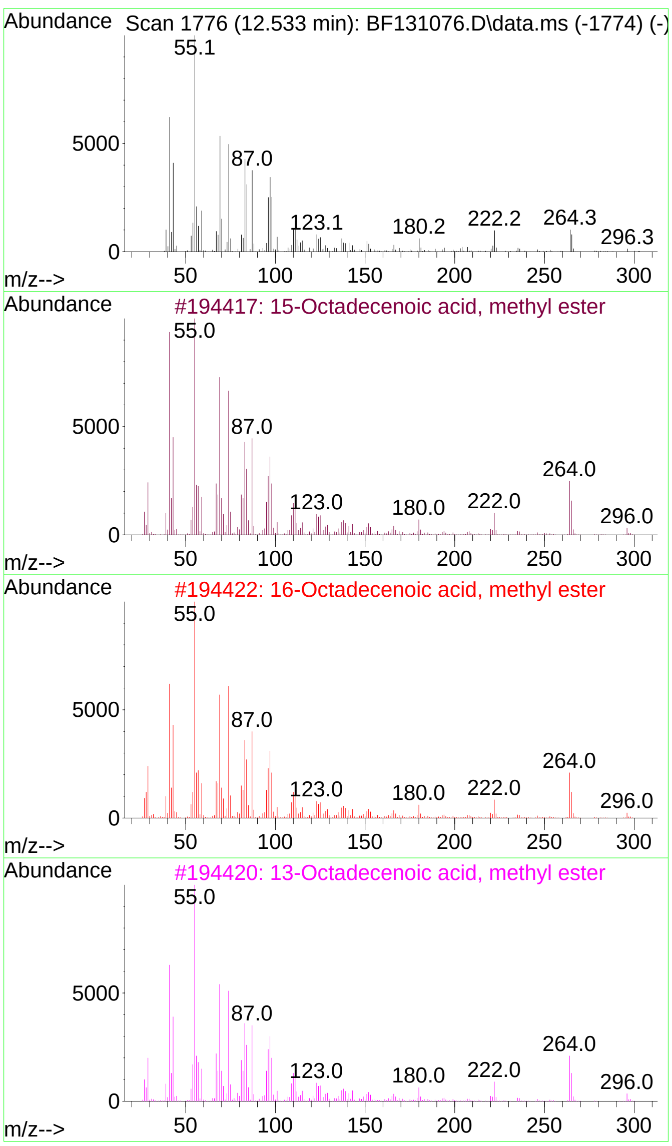
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

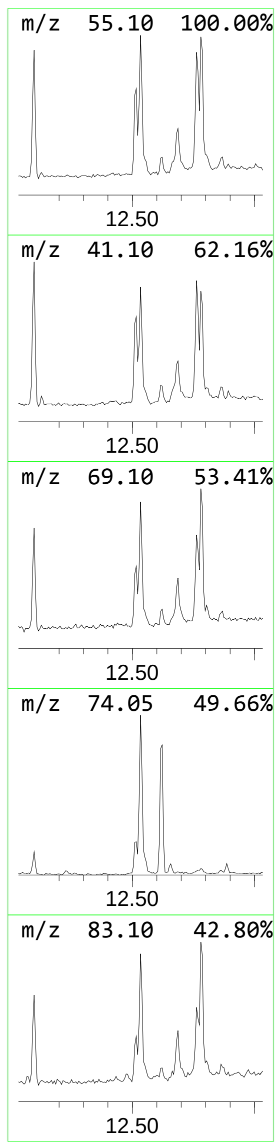
****

Peak Number 18 15-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	32.92 ng	807969	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	95
4	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	94
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	94

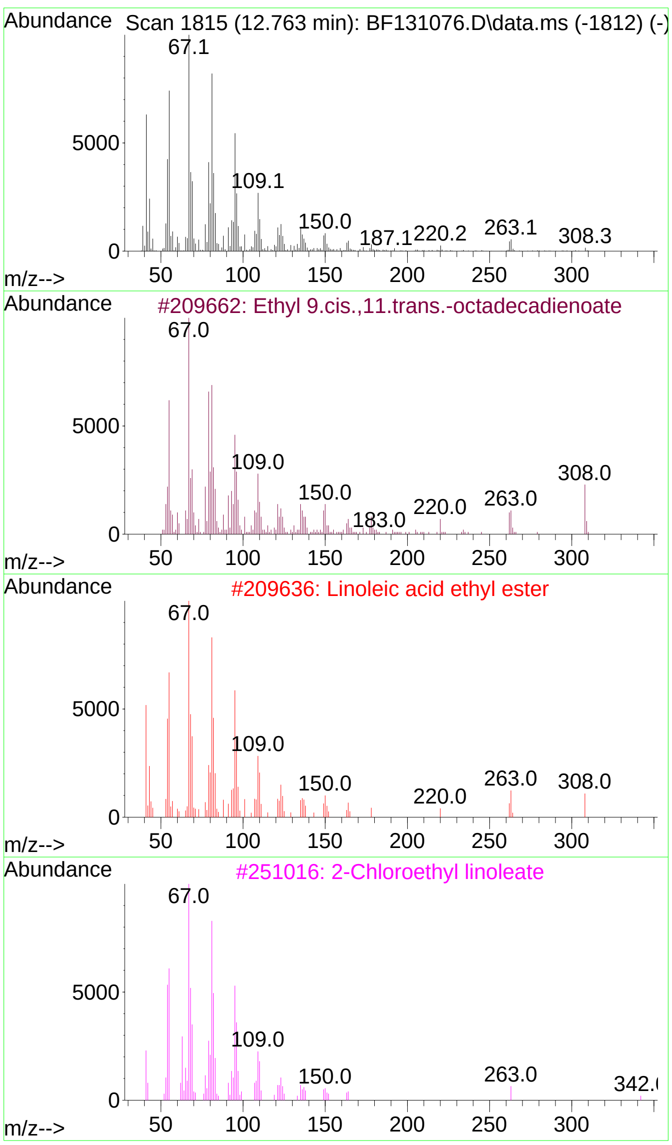


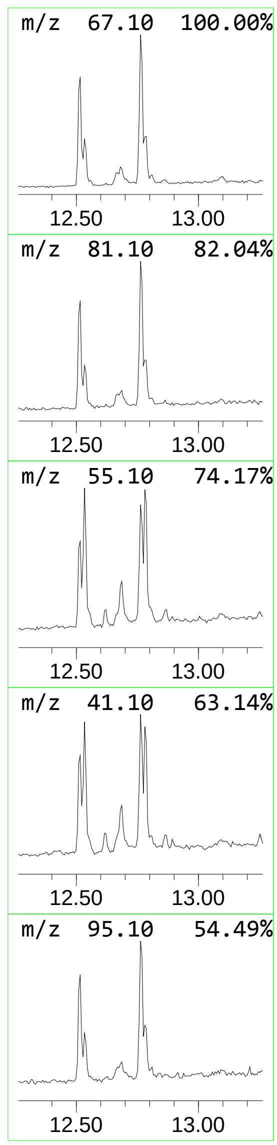


```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On    : 08 Nov 2022  20:03
Operator  : CG\JU
Sample    : N5479-03
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

```
**********************************************************************
Peak Number 19  Ethyl 9.cis.,11.trans.-octa...  Concentration Rank  1

  R.T.     EstConc          Area       Relative to ISTD         R.T.
----------------------------------------------------------------------
 12.763   41.90 ng        1028340   Phenanthrene-d10           11.439

 Hit# of  5    Tentative ID             MW  MolForm       CAS#       Qual
----------------------------------------------------------------------
 1 Ethyl 9.cis.,11.trans.-octadecad... 308 C20H36O2       1000336-69-8 95
 2 Linoleic acid ethyl ester           308 C20H36O2       000544-35-4 94
 3 2-Chloroethyl linoleate             342 C20H35ClO2     025525-76-2 93
 4 9,12-Octadecadienoic acid (Z,Z)-    280 C18H32O2       000060-33-3 91
 5 9,17-Octadecadienal, (Z)-           264 C18H32O        056554-35-9 91
```





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

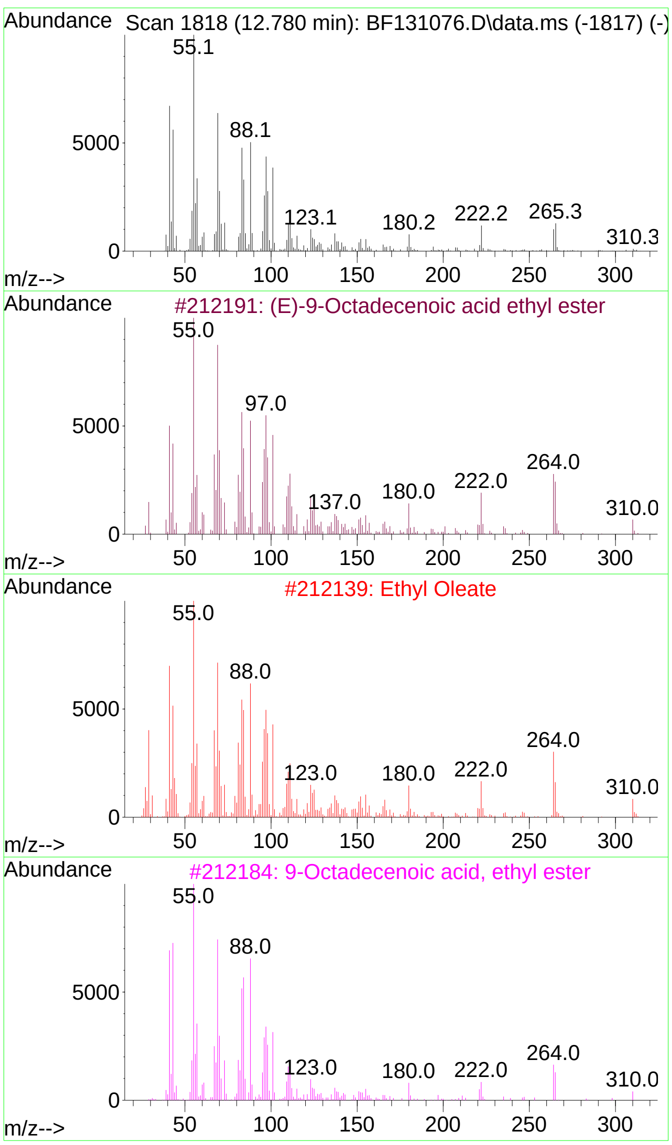
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

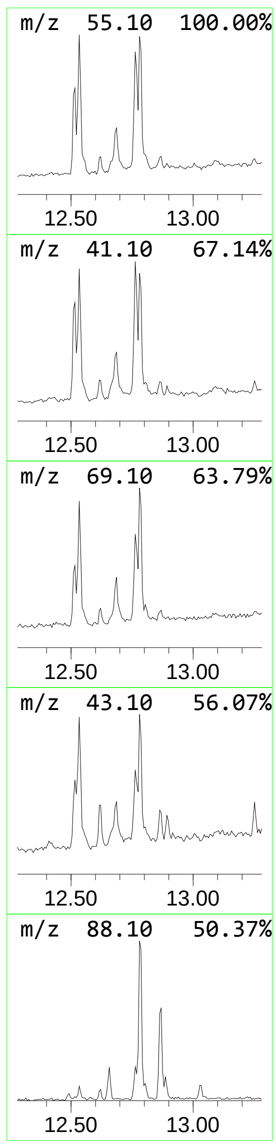
****

Peak Number 20 (E)-9-Octadecenoic acid eth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	25.90 ng	630575	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-9-Octadecenoic acid ethyl ester	310	C20H38O2	006114-18-7	90
2	Ethyl Oleate	310	C20H38O2	000111-62-6	72
3	9-Octadecenoic acid, ethyl ester	310	C20H38O2	006512-99-8	49
4	13-Octadecenal, (Z)-	266	C18H34O	058594-45-9	38
5	1-Hexadecanol	242	C16H34O	036653-82-4	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
Acq On : 08 Nov 2022 20:03
Operator : CG\JU
Sample : N5479-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.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...	2.193	13.6	ng	464137	1	6.898	683246	20.0
2-Pentanone, 4-...	5.122	13.3	ng	453809	1	6.898	683246	20.0
Naphthalene, de...	7.293	6.5	ng	223102	1	6.898	683246	20.0
unknown7.540	7.540	12.3	ng	419077	1	6.898	683246	20.0
unknown7.593	7.593	7.0	ng	325106	2	8.187	927438	20.0
unknown8.469	8.469	8.8	ng	407290	2	8.187	927438	20.0
Decane, 2,6,7-t...	8.598	12.4	ng	575506	2	8.187	927438	20.0
Heptylcyclohexane	9.087	8.2	ng	223159	3	9.945	543355	20.0
Dodecane, 2,6,1...	9.198	19.4	ng	528413	3	9.945	543355	20.0
Hexadecane, 1-c...	9.339	10.5	ng	284430	3	9.945	543355	20.0
Naphthalene, 1,...	9.598	7.1	ng	194037	3	9.945	543355	20.0
Heptadecane, 2,...	9.657	19.9	ng	540569	3	9.945	543355	20.0
Tridecane, 2-me...	10.851	9.3	ng	227711	4	11.439	490808	20.0
Hexadecanoic ac...	11.822	13.6	ng	333143	4	11.439	490808	20.0
n-Hexadecanoic ...	11.969	18.7	ng	459322	4	11.439	490808	20.0
Hexadecanoic ac...	12.098	40.5	ng	993048	4	11.439	490808	20.0
9,12-Octadecadi...	12.516	27.3	ng	669984	4	11.439	490808	20.0
15-Octadecenoic...	12.533	32.9	ng	807969	4	11.439	490808	20.0
Ethyl 9.cis.,11...	12.763	41.9	ng	1028340	4	11.439	490808	20.0
(E)-9-Octadecen...	12.780	25.9	ng	630575	5	14.092	486981	20.0