LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.963	11	13	19	rBV	103810	110129	2.38%	0.174%
2	2.087	29	34	40	rVB	1127645	1364249	29.43%	2.156%
3	5.028	526	534	535	rBV2	36102	52809	1.14%	0.083%
4	5.051	535	538	551	rVB	211425	295436	6.37%	0.467%
5	5.457	602	607	610	rBV	4350062	4070256	87.80%	6.431%
6	6.469	774	779	782	rBV	4114693	4025415	86.83%	6.361%
7	6.669	810	813	818	rBV	175042	153979	3.32%	0.243%
8	6.839	839	842	846	rBV	1672961	1367370	29.50%	2.161%
9	6.998	865	869	872	rVB	4286637	3619197	78.07%	5.719%
10	7.404	932	938	941	rBV	2762312	2682567	57.87%	4.239%
11	8.122	1056	1060	1063	rBV	1985714	1640566	35.39%	2.592%
12	9.198	1238	1243	1246	rBV	5309435	4635779	100.00%	7.325%
13	9.592	1306	1310	1314	rBV	538015	496244	10.70%	0.784%
14	9.733	1330	1334	1338	rBV	61598	55542	1.20%	0.088%
15	9.875	1352	1358	1361	rBV	1943950	1657715	35.76%	2.619%
16	9.910	1361	1364	1367	rVB	113498	96914	2.09%	0.153%
17	10.075	1389	1392	1397	rBV2	87139	85386	1.84%	0.135%
18	10.422	1448	1451	1455	rBV	94049	81754	1.76%	0.129%
19	10.663	1487	1492	1495	rBV	2803057	2468947	53.26%	3.901%
20	11.010	1547	1551	1552	rBV3	61730	66937	1.44%	0.106%
21	11.227	1582	1588	1591	rBV5	28628	67122	1.45%	0.106%
22	11.257	1591	1593	1598	rVB	60368	51371	1.11%	0.081%
23	11.310	1598	1602	1605	rBV	106282	117775	2.54%	0.186%
24	11.363	1605	1611	1613	rVV	1626714	1655160	35.70%	2.615%
25	11.386	1613	1615	1618	rVV	940159	734423	15.84%	1.160%
26	11.433	1618	1623	1626	rVB	246400	222148	4.79%	0.351%
27	11.586	1644	1649	1652	rBV3	131001	157568	3.40%	0.249%
28	11.821	1684	1689	1692	rBV	644823	724655	15.63%	1.145%
29	11.857	1692	1695	1698	rVV2	530670	639995	13.81%	1.011%
30	11.892	1698	1701	1705	rVV	1030589	998257	21.53%	1.577%
31	11.933	1706	1708	1711	rVV	108397	121849	2.63%	0.193%
32	11.974	1711	1715	1717	rVV2	192899	227276	4.90%	0.359%
33	11.992	1717	1718	1723	rVB	79003	64168	1.38%	0.101%
34	12.063	1728	1730	1733	rBV	111900	95524	2.06%	0.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.157	1741	1746	1748	rBV	94596	105527	2.28%	0.167%
36	12.174	1748	1749	1753	rVB2	95641	73754	1.59%	0.117%
37	12.410	1786	1789	1792	rBV2	80642	86034	1.86%	0.136%
38	12.451	1792	1796	1800	rVV2	55935	79951	1.72%	0.126%
39	12.486	1800	1802	1809	rVB4	129936	154950	3.34%	0.245%
40	12.574	1809	1817	1819	rBV	1441330	1681481	36.27%	2.657%
41	12.616	1819	1824	1830	rVV5	160810	304138	6.56%	0.481%
42	12.668	1830	1833	1836	rVV2	113636	133179	2.87%	0.210%
43	12.721	1840	1842	1848	rVB2	55237	60161	1.30%	0.095%
44	12.798	1848	1855	1858	rBV	1352865	1398825	30.17%	2.210%
45	12.845	1861	1863	1868	rVB2	69981	77606	1.67%	0.123%
46	12.916	1872	1875	1876	rBV2	86709	77444	1.67%	0.122%
47	12.945	1876	1880	1884	rVV	4583549	4170546	89.96%	6.590%
48	13.016	1887	1892	1896	rBV2	91136	160147	3.45%	0.253%
49	13.127	1908	1911	1913	rVB2	183770	157043	3.39%	0.248%
50	13.157	1913	1916	1918	rBV3	78320	69461	1.50%	0.110%
51	13.192	1918	1922	1925	rVB2	113631	106421	2.30%	0.168%
52	13.233	1925	1929	1931	rBV2	127902	144528	3.12%	0.228%
53	13.292	1936	1939	1942	rBV5	51662	59047	1.27%	0.093%
54	13.321	1942	1944	1947	rVV	76254	75953	1.64%	0.120%
55	13.351	1947	1949	1953	rVB2	71473	67228	1.45%	0.106%
56	13.427	1959	1962	1968	rVB4	184773	171628	3.70%	0.271%
57	13.504	1972	1975	1976	rBV2	58625	53153	1.15%	0.084%
58	13.633	1994	1997	2002	rVB2	125399	158129	3.41%	0.250%
59	13.745	2012	2016	2019	rBV2	112284	162548	3.51%	0.257%
60	13.774	2019	2021	2023	rVV	136784	121435	2.62%	0.192%
61	13.798	2023	2025	2029	rVV2	106964	155564	3.36%	0.246%
62	13.839	2029	2032	2039	rVB2	767184	855730	18.46%	1.352%
63	13.998	2051	2059	2061	rBV2	1884241	2583971	55.74%	4.083%
64	14.021	2061	2063	2065	rVB	697502	504170	10.88%	0.797%
65	14.104	2074	2077	2080	rVB	114021	99476	2.15%	0.157%
66	14.180	2086	2090	2093	rVB3	118622	177375	3.83%	0.280%
67	14.215	2093	2096	2100	rBV3	83528	110117	2.38%	0.174%
68	14.292	2106	2109	2111	rBV2	130022	143960	3.11%	0.227%
69	14.380	2122	2124	2127	rVB2	162887	132811	2.86%	0.210%
70	14.433	2127	2133	2134	rBV2	188016	302570	6.53%	0.478%
71	14.457	2134	2137	2138	rBV	153773	124027	2.68%	0.196%

LSC Area Percent Report

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Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.480	2138	2141	2144	rBV4	458173	609129	13.14%	0.962%
73	14.504	2144	2145	2148	rVB	421693	303840	6.55%	0.480%
74	14.574	2151	2157	2163	rBV	1305315	2636013	56.86%	4.165%
75	14.657	2163	2171	2172	rBV	592798	1223937	26.40%	1.934%
76	14.680	2172	2175	2177	rVB	473811	487586	10.52%	0.770%
77	14.733	2181	2184	2185	rBV	332666	354148	7.64%	0.560%
78	15.027	2231	2234	2237	rBV	405691	437430	9.44%	0.691%
79	15.098	2242	2246	2247	rBV2	225013	297142	6.41%	0.470%
80	15.139	2250	2253	2261	rVB2	710014	974598	21.02%	1.540%
81	15.327	2282	2285	2291	rVB	330398	432910	9.34%	0.684%
82	15.386	2292	2295	2301	rVB	447005	533763	11.51%	0.843%
83	15.451	2302	2306	2310	rBV	965821	1257840	27.13%	1.988%
84	15.486	2310	2312	2319	rVB3	211072	254046	5.48%	0.401%
85	15.692	2344	2347	2351	rVB	178909	216792	4.68%	0.343%
86	15.927	2382	2387	2391	rBV	560358	810976	17.49%	1.281%
87	15.974	2391	2395	2404	rVB2	362203	611347	13.19%	0.966%
88	16.886	2546	2550	2566	rVB2	188535	580313	12.52%	0.917%
89	17.086	2578	2584	2595	rBV7	334952	846312	18.26%	1.337%
90	17.321	2620	2624	2630	rVB	115977	191312	4.13%	0.302%
91	17.486	2649	2652	2659	rVB3	124169	222422	4.80%	0.351%

Sum of corrected areas: 63286426

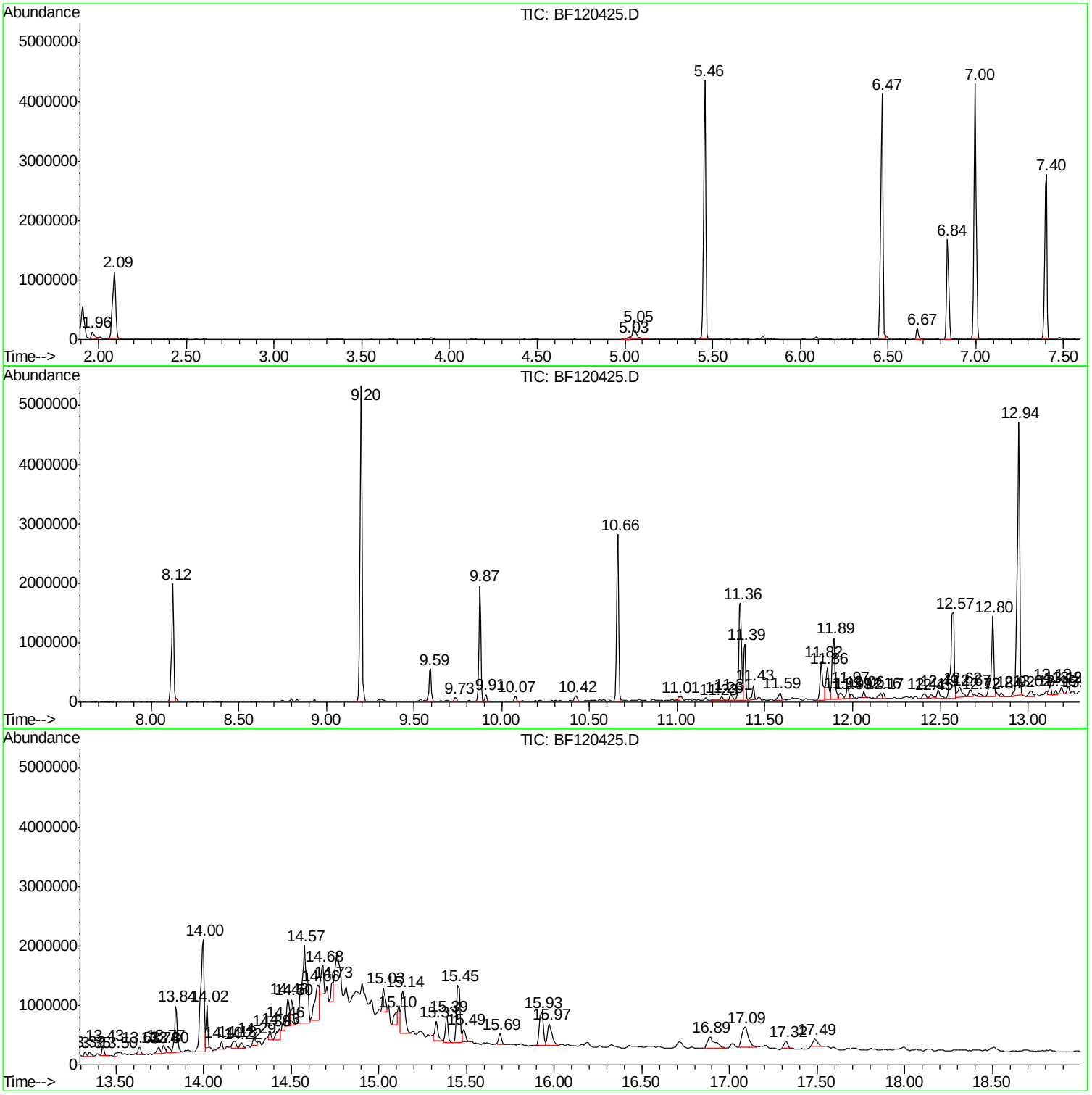
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

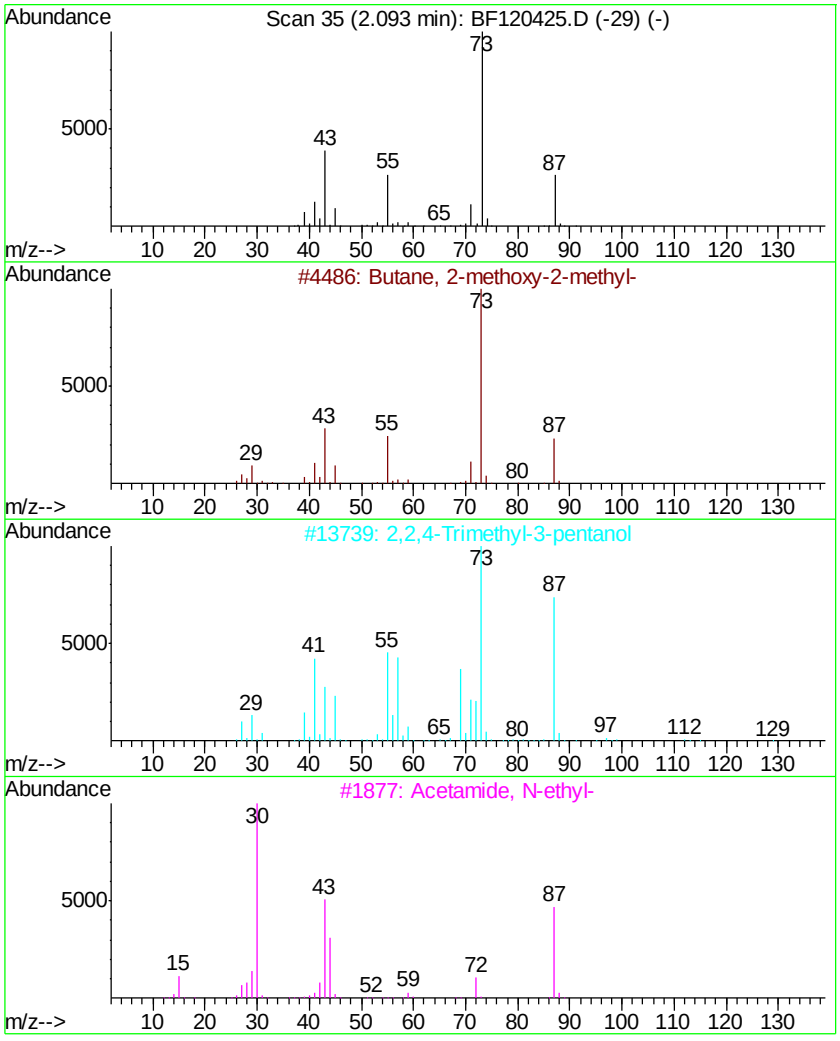
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

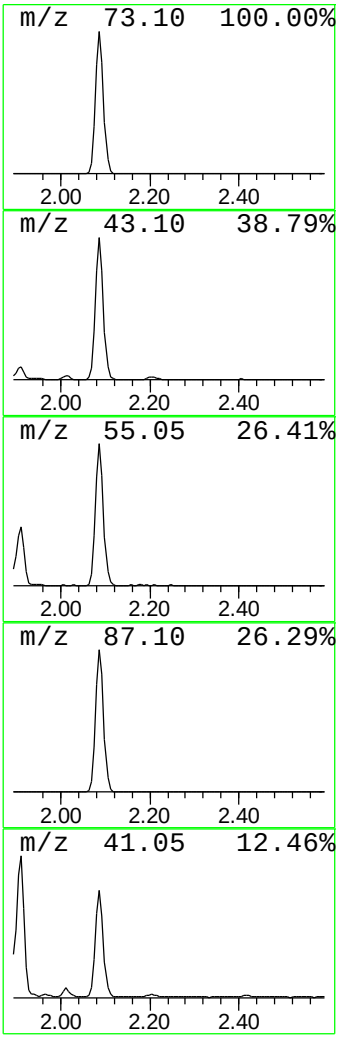
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.09	19.95 ng	1364250	1,4-Dichlorobenzene-d4	6.84

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

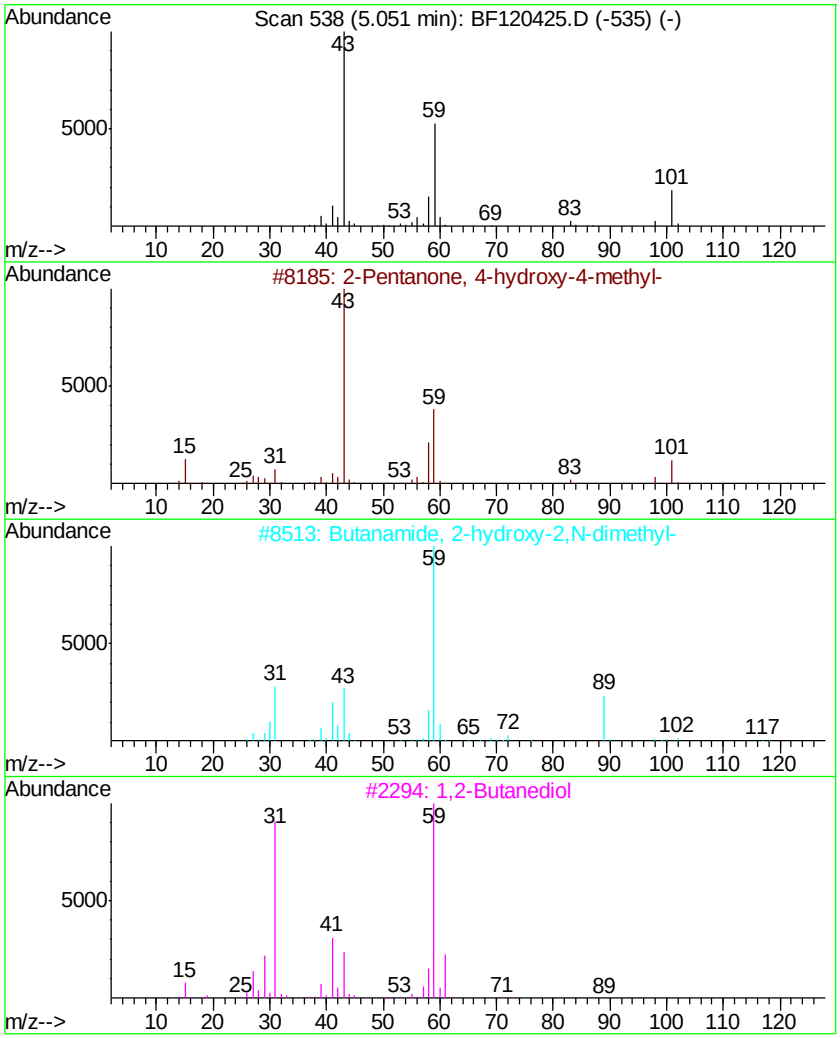
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

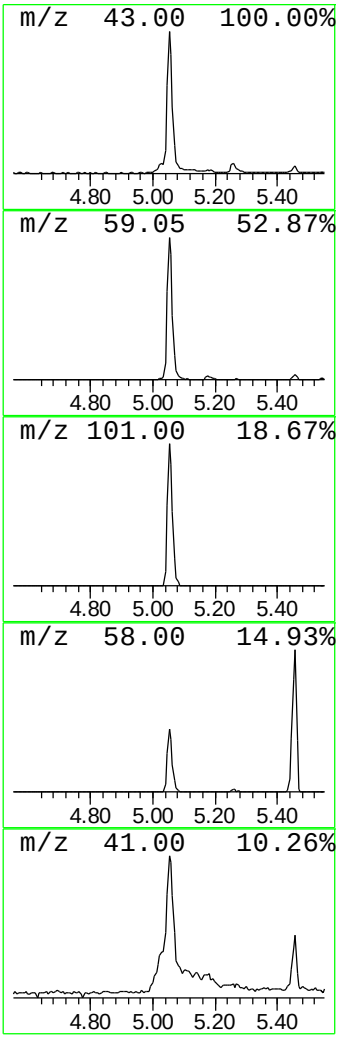
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	4.32 ng	295436	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	28
3	1,2-Butanediol	90	C4H10O2	000584-03-2	28
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

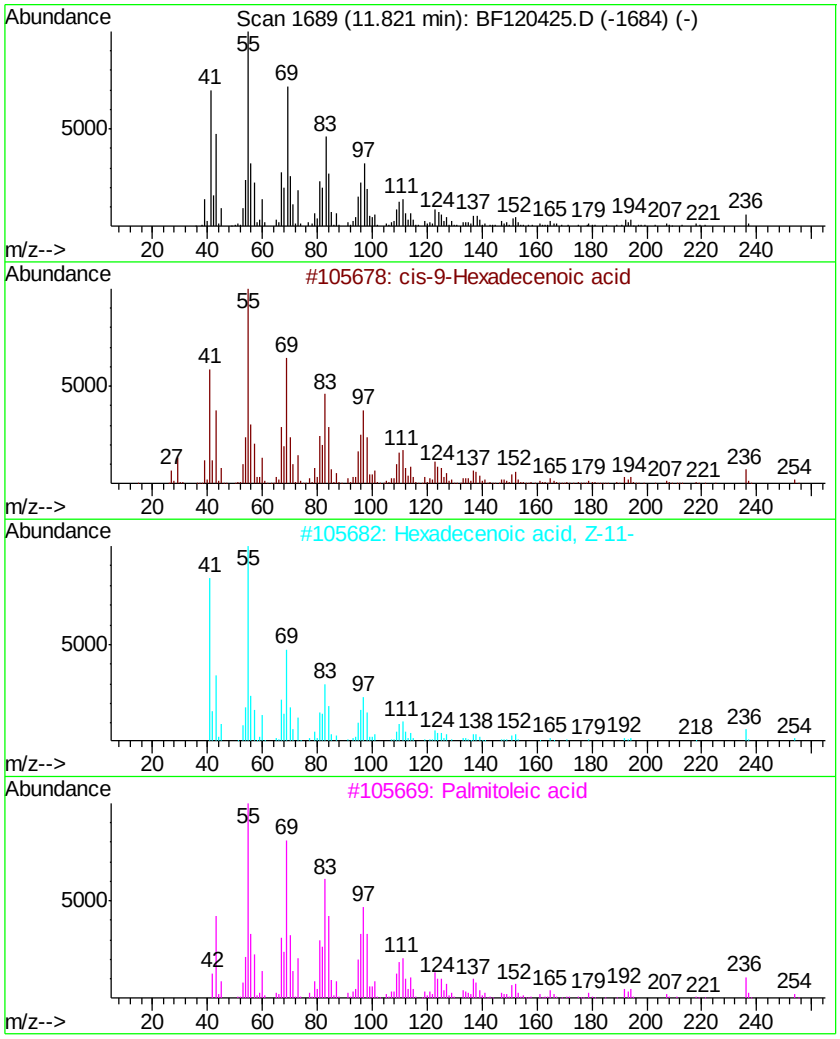
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

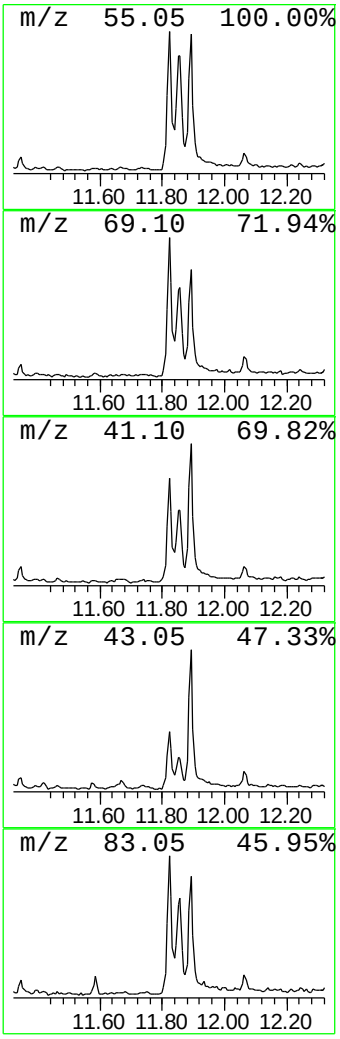
****

Peak Number 4 cis-9-Hexadecenoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.76 ng	724655	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	94
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	91
3	Palmitoleic acid	254	C16H30O2	000373-49-9	90
4	13-Borabicyclo[7.3.0]tridecane, ...	236	C15H29BO	1000156-41-7	89
5	Oxacyclotetradecane-2,11-dione, ...	240	C14H24O3	074685-36-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

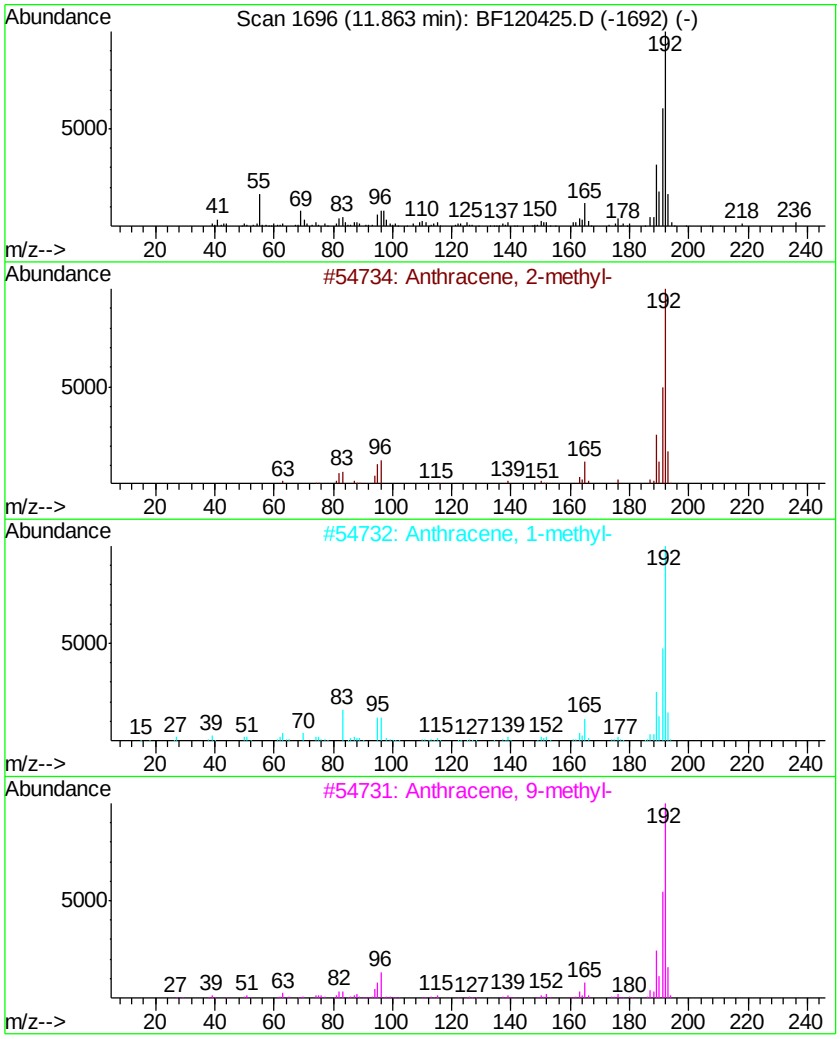
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

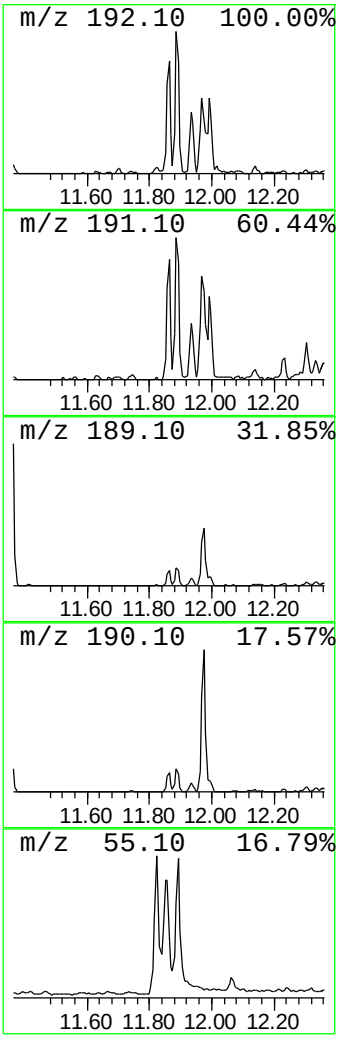
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	7.73 ng	639995	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

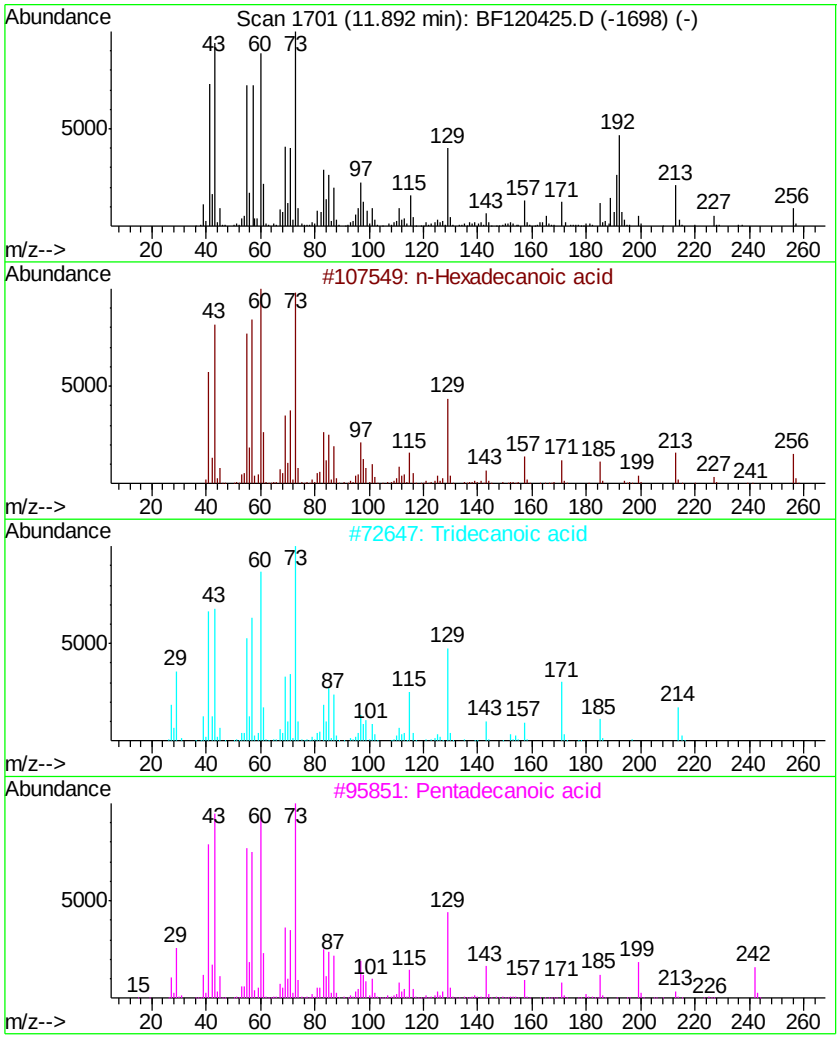
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

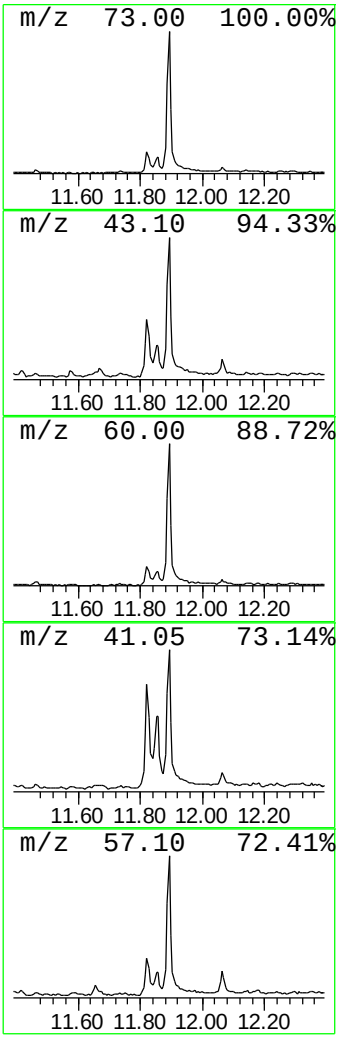
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	12.06 ng	998257	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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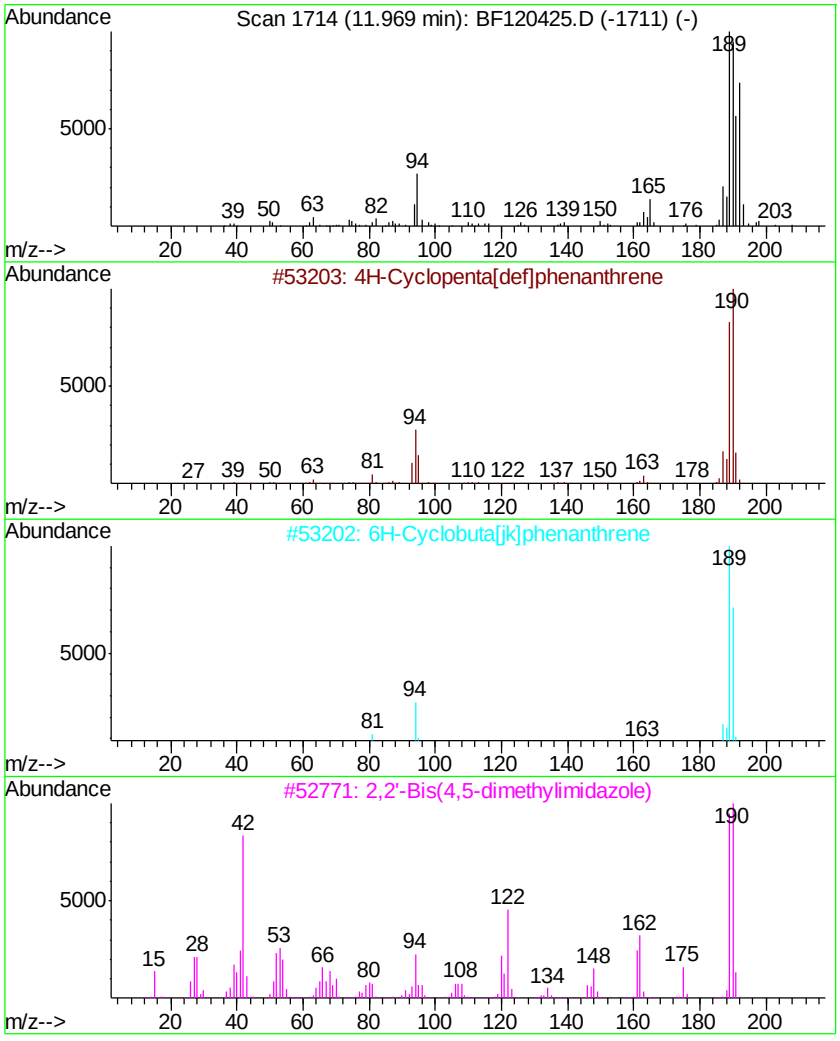
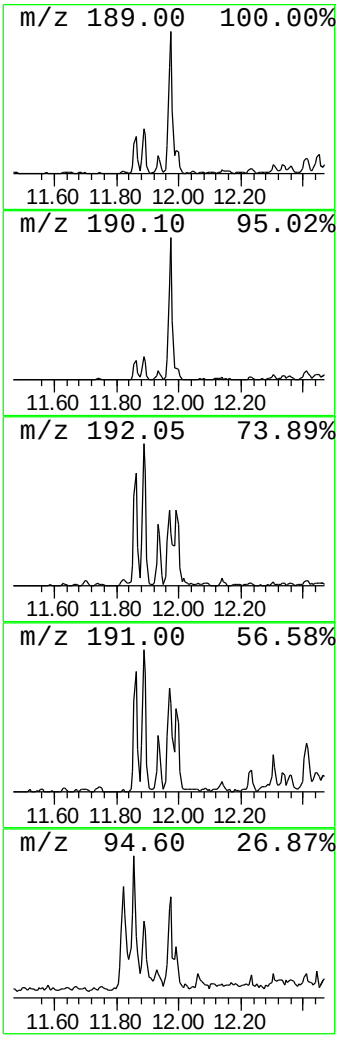
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.75 ng	227276	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	25
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





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Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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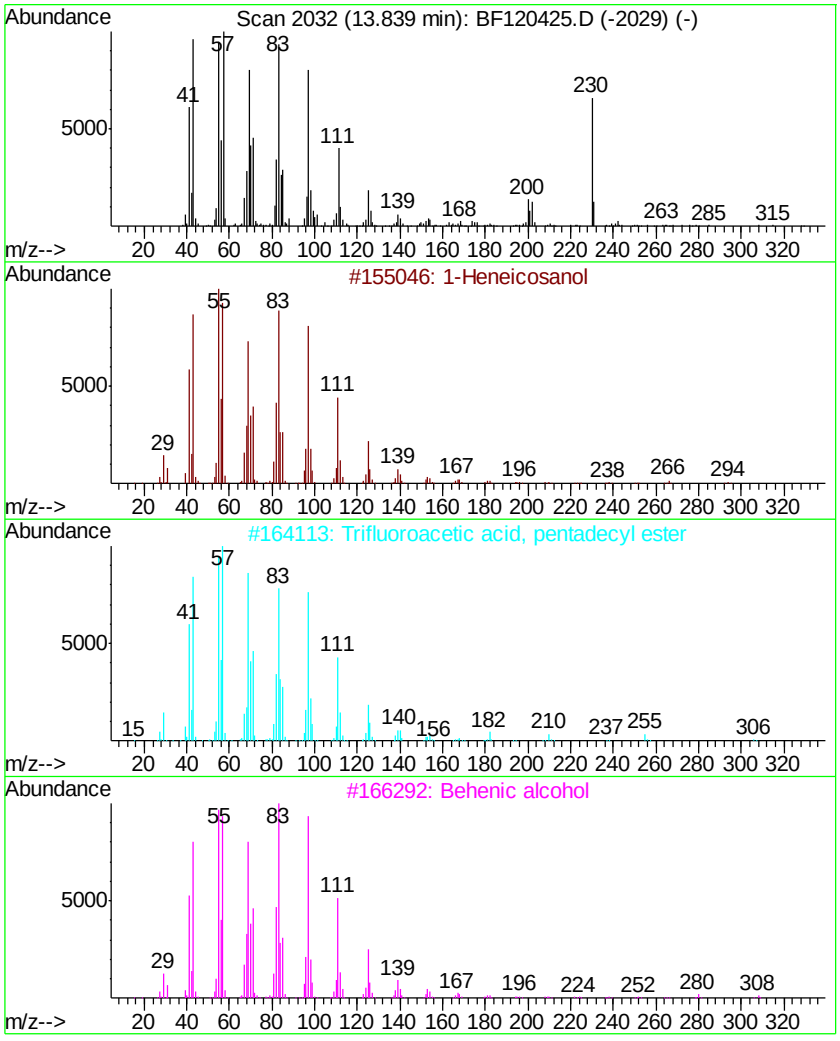
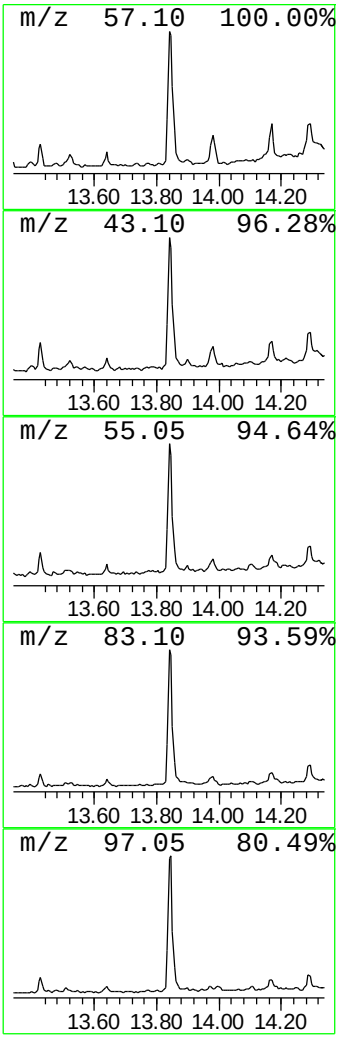
Peak Number 8 1-Heneicosanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.62 ng	855730	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90





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Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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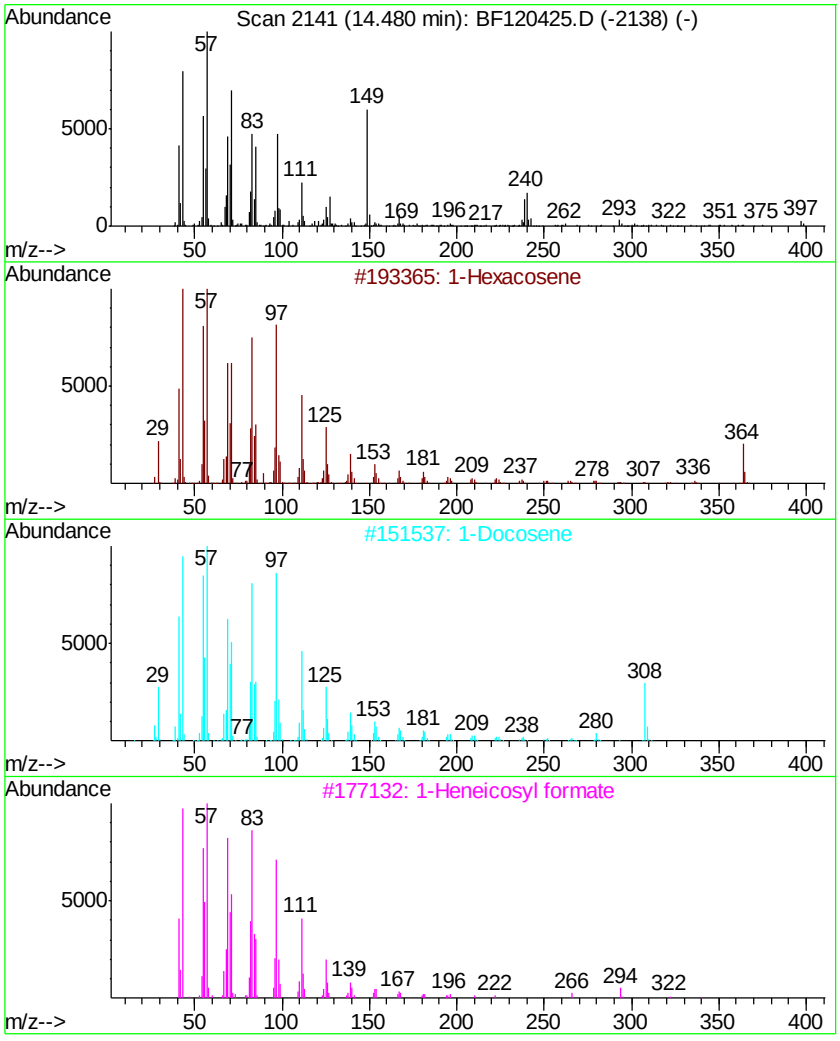
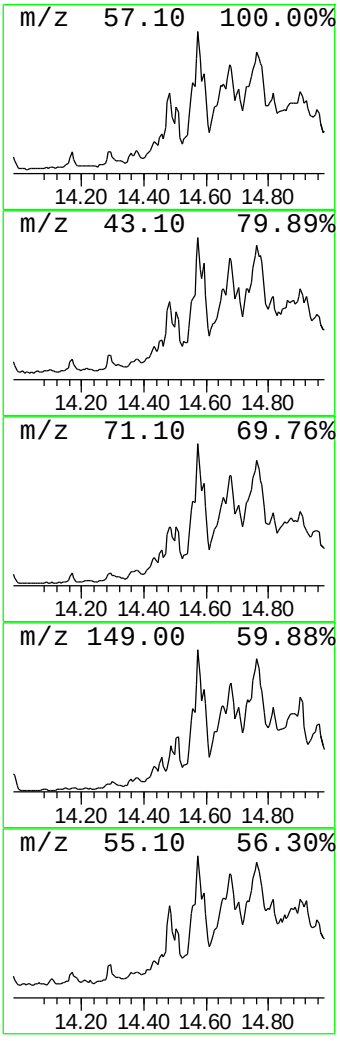
Peak Number 9 1-Hexacosene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	4.71 ng	609129	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	90
2	1-Docosene	308	C22H44	001599-67-3	90
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	86
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	86
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120425.D
Acq On : 28 May 2020 23:21
Operator : MA/SJ
Sample : L2746-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM77-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Phthalic acid, 3,4-dichloro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.35 ng	303840	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3,4-dichlorophenv...	422	C22H24Cl2O4	1000315-52-0	50
2	Phthalic acid, 2-fluorophenyl pe...	470	C29H39FO4	1000356-50-2	47
3	Benzaldehyde, 4-(4-bromo-3,5-dim...	322	C14H15BrN2O2	1000273-82-0	43
4	Phthalic acid, heptyl octyl ester	376	C23H36O4	088216-58-4	43
5	Phthalic acid, hex-3-yl nonyl ester	376	C23H36O4	1000356-96-0	43