LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

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-BF070220.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	4.410	391	395	402	rBV	138324	156261	4.70%	0.480%
2	5.040	499	502	510	rVB	150281	171343	5.16%	0.527%
3	5.446	566	571	574	rBV	3086048	2867595	86.29%	8.816%
4	6.457	738	743	746	rBV	2949413	2886834	86.87%	8.875%
5	6.657	774	777	783	rBV	80520	71094	2.14%	0.219%
6	6.834	803	807	810	rBV	1467954	1209597	36.40%	3.719%
7	7.392	897	902	905	rBV	2189673	1906922	57.38%	5.862%
8	8.116	1020	1025	1028	rBV	1815798	1536593	46.24%	4.724%
9	9.192	1203	1208	1211	rBV	3895437	3323124	100.00%	10.216%
10	9.286	1218	1224	1226	rBV3	42976	49472	1.49%	0.152%
11	9.586	1271	1275	1279	rBV	518030	469066	14.12%	1.442%
12	9.675	1287	1290	1294	rVB	41498	39009	1.17%	0.120%
13	9.728	1296	1299	1304	rVV	101453	85350	2.57%	0.262%
14	9.869	1318	1323	1327	rBV	1867115	1595190	48.00%	4.904%
15	10.280	1389	1393	1395	rBV2	43331	50594	1.52%	0.156%
16	10.416	1413	1416	1423	rBV	40290	45676	1.37%	0.140%
17	10.657	1452	1457	1460	rBV	1952281	1802220	54.23%	5.541%
18	10.780	1475	1478	1482	rBV3	50696	64101	1.93%	0.197%
19	11.227	1547	1554	1556	rBV5	49537	92900	2.80%	0.286%
20	11.357	1571	1576	1578	rBV	1475686	1406253	42.32%	4.323%
21	11.375	1578	1579	1582	rVV	311516	246041	7.40%	0.756%
22	11.427	1586	1588	1592	rVB	127639	102236	3.08%	0.314%
23	11.580	1610	1614	1616	rBV	49547	52286	1.57%	0.161%
24	11.857	1658	1661	1663	rBV	63801	57161	1.72%	0.176%
25	11.886	1663	1666	1669	rVV	165705	146608	4.41%	0.451%
26	11.927	1669	1673	1676	rBV2	38163	41618	1.25%	0.128%
27	11.969	1676	1680	1682	rBV2	100263	104490	3.14%	0.321%
28	12.151	1708	1711	1713	rBV	46869	43159	1.30%	0.133%
29	12.174	1713	1715	1720	rVB2	71773	77181	2.32%	0.237%
30	12.233	1723	1725	1728	rVB2	48621	42260	1.27%	0.130%
31	12.333	1739	1742	1745	rBV	343776	350032	10.53%	1.076%
32	12.404	1749	1754	1757	rVV2	86237	142991	4.30%	0.440%
33	12.439	1757	1760	1766	rVV6	59325	132025	3.97%	0.406%
34	12.486	1766	1768	1773	rBV2	46574	58577	1.76%	0.180%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

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-BF070220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.569	1778	1782	1784	rBV	731677	658879	19.83%	2.026%
36	12.592	1784	1786	1788	rVB	74066	52794	1.59%	0.162%
37	12.663	1795	1798	1801	rBV	77523	76697	2.31%	0.236%
38	12.739	1809	1811	1814	rVB	76388	61578	1.85%	0.189%
39	12.798	1814	1821	1823	rBV	684311	807875	24.31%	2.484%
40	12.916	1838	1841	1842	rBV2	41764	43709	1.32%	0.134%
41	12.945	1842	1846	1849	rVB	2797486	2642523	79.52%	8.124%
42	13.121	1874	1876	1879	rVB	125536	107936	3.25%	0.332%
43	13.192	1885	1888	1890	rVB2	92940	87961	2.65%	0.270%
44	13.227	1891	1894	1898	rBV3	100192	117093	3.52%	0.360%
45	13.416	1924	1926	1931	rBV	79076	81847	2.46%	0.252%
46	13.563	1948	1951	1955	rVB	284138	255787	7.70%	0.786%
47	13.792	1988	1990	1994	rBV2	83011	84520	2.54%	0.260%
48	13.839	1995	1998	2006	rVV2	614393	678051	20.40%	2.085%
49	13.992	2019	2024	2027	rBV2	1497190	1824265	54.90%	5.608%
50	14.021	2027	2029	2031	rVB	358857	288163	8.67%	0.886%
51	14.474	2103	2106	2110	rBV2	322945	429411	12.92%	1.320%
52	15.033	2197	2201	2210	rVB	397762	820789	24.70%	2.523%
53	15.139	2217	2219	2224	rVB	291895	329770	9.92%	1.014%
54	15.327	2249	2251	2256	rVB	254651	283287	8.52%	0.871%
55	15.392	2259	2262	2266	rBV	324308	333777	10.04%	1.026%
56	15.457	2269	2273	2276	rBV	865773	1034910	31.14%	3.182%

Sum of corrected areas: 32527481

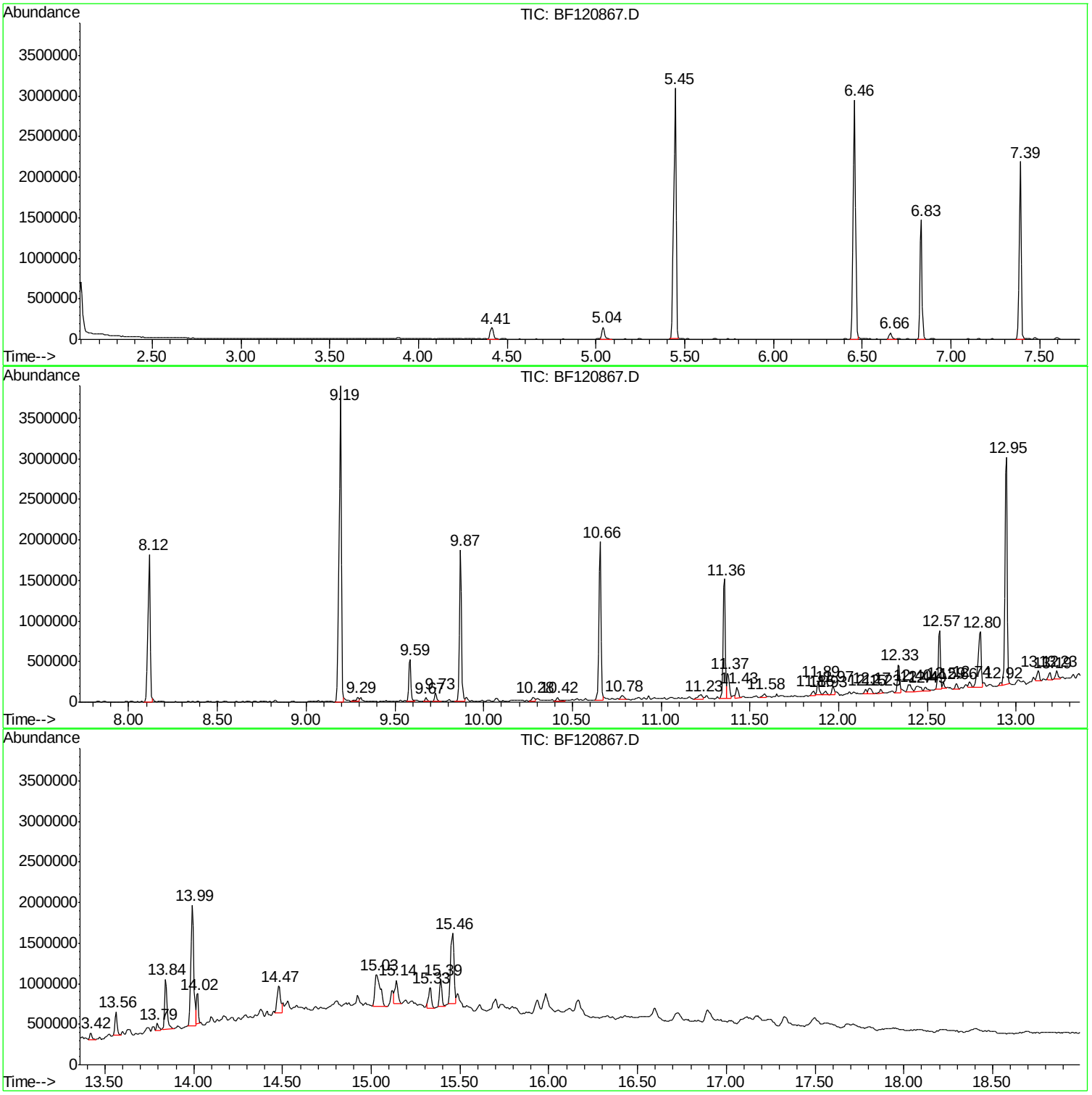
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

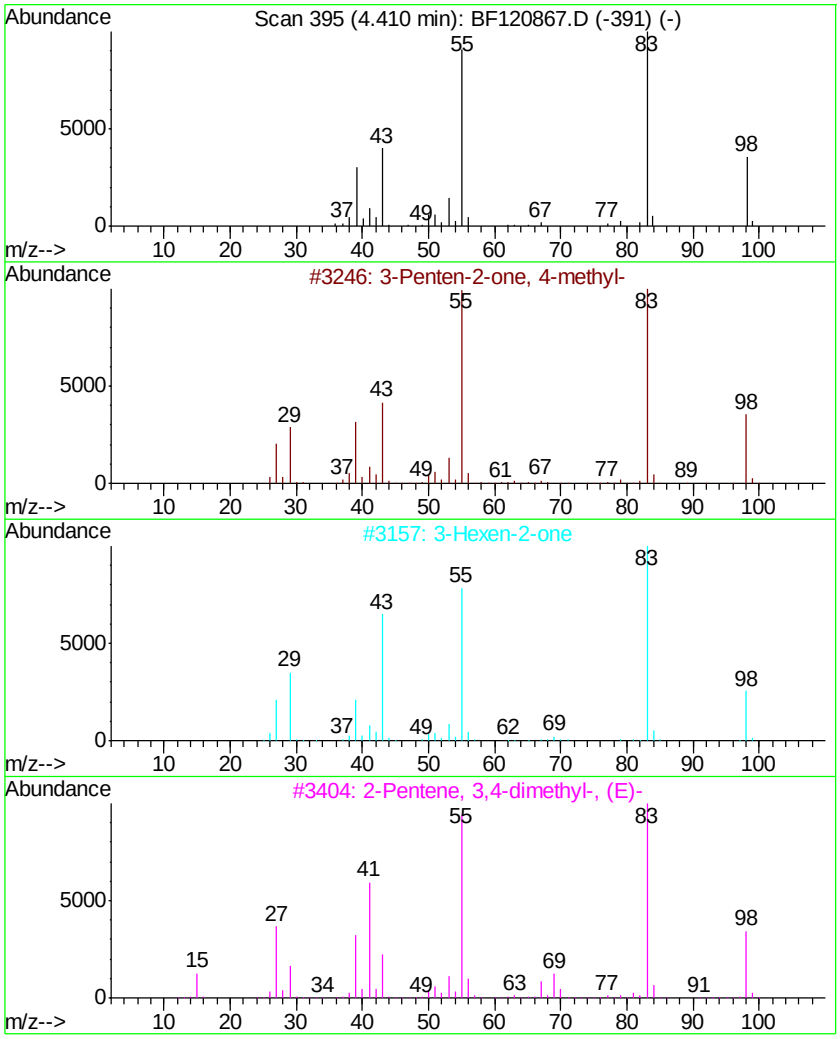
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

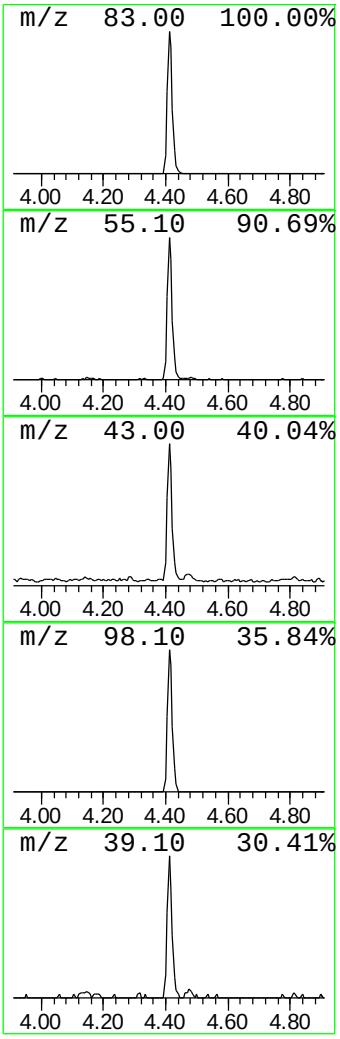
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	2.58 ng	156261	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

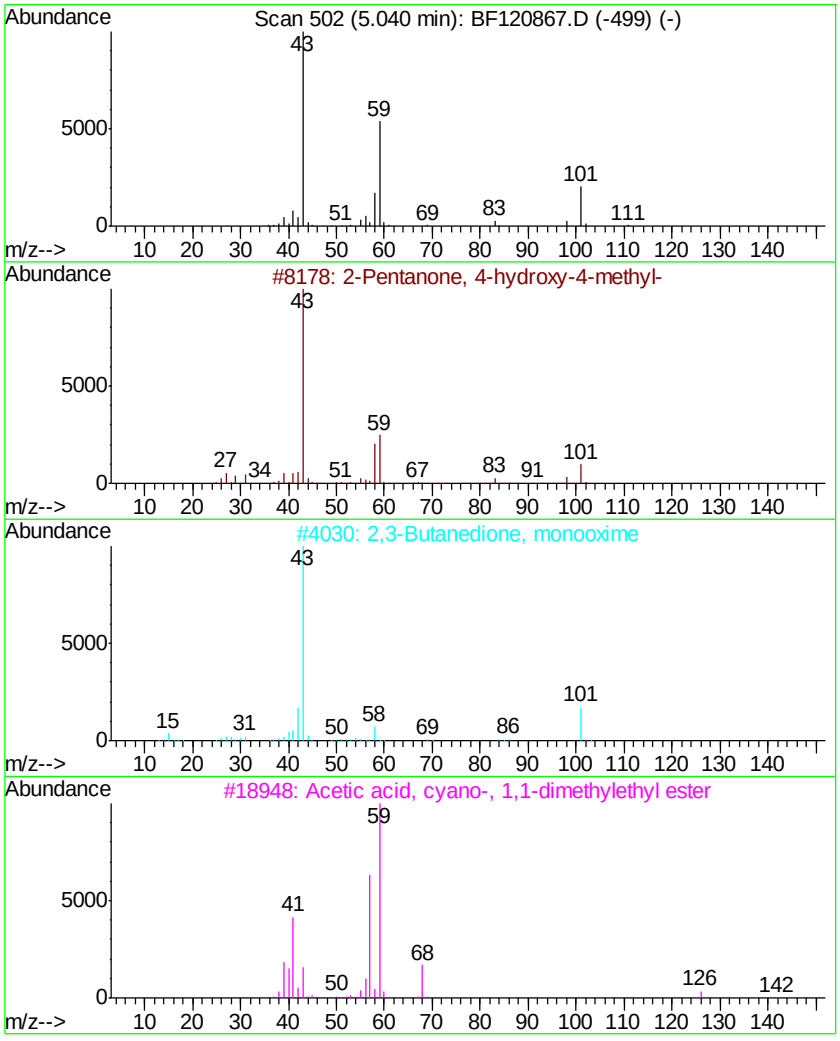
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

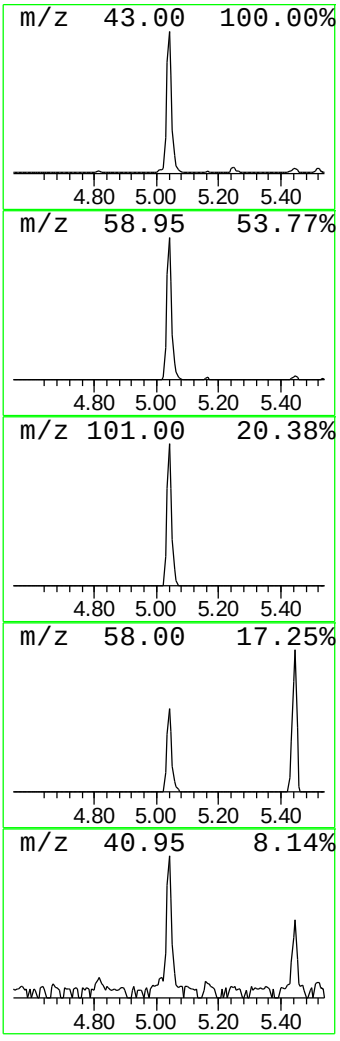
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	2.83 ng	171343	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Butane	58	C4H10	000106-97-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

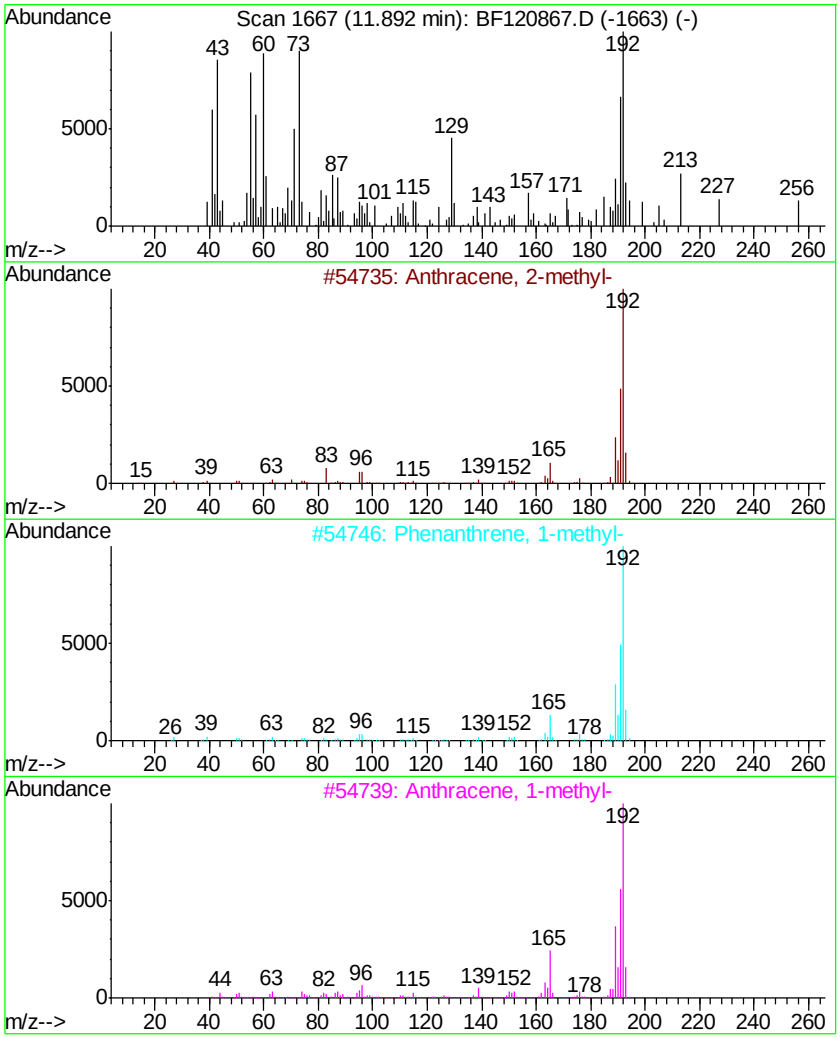
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

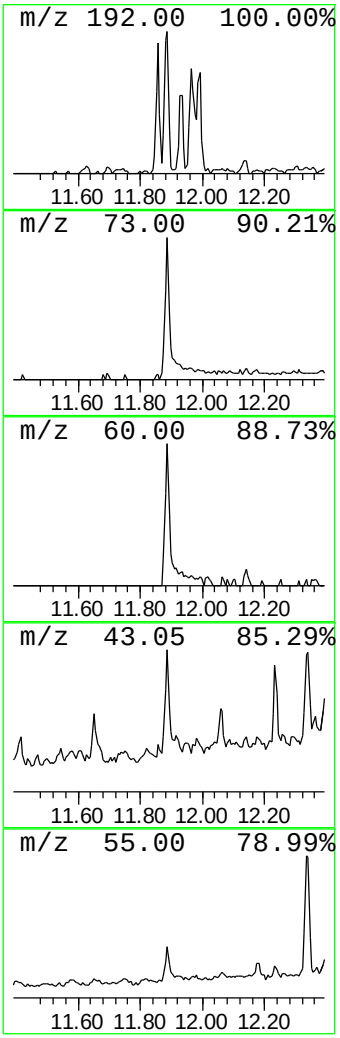
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.09 ng	146608	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	78
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

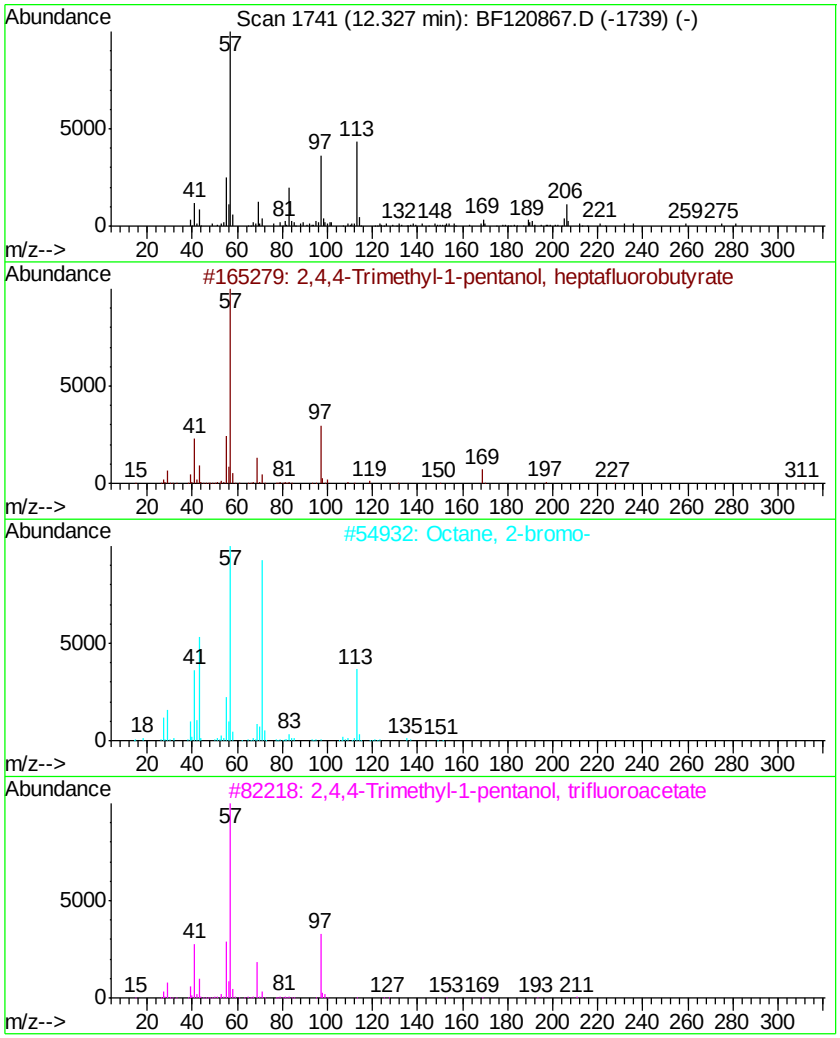
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

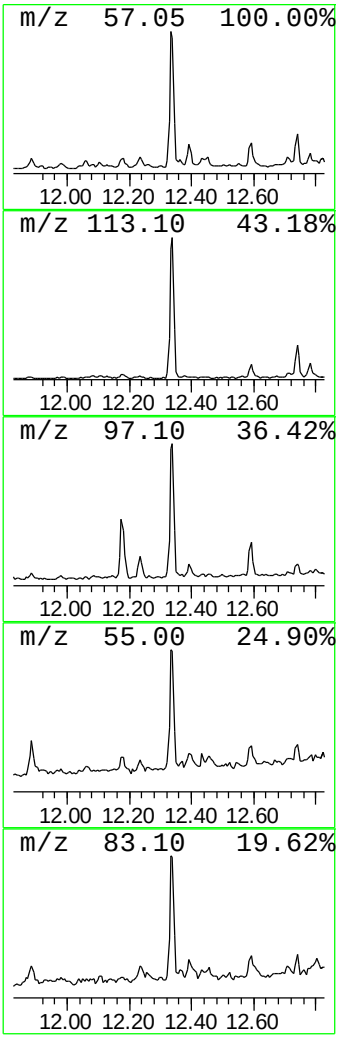
****

Peak Number 4 unknown12.33 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.98 ng	350032	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1000365-01-4	43
2	Octane, 2-bromo-	192	C8H17Br	000557-35-7	37
3	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	35
4	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	33
5	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

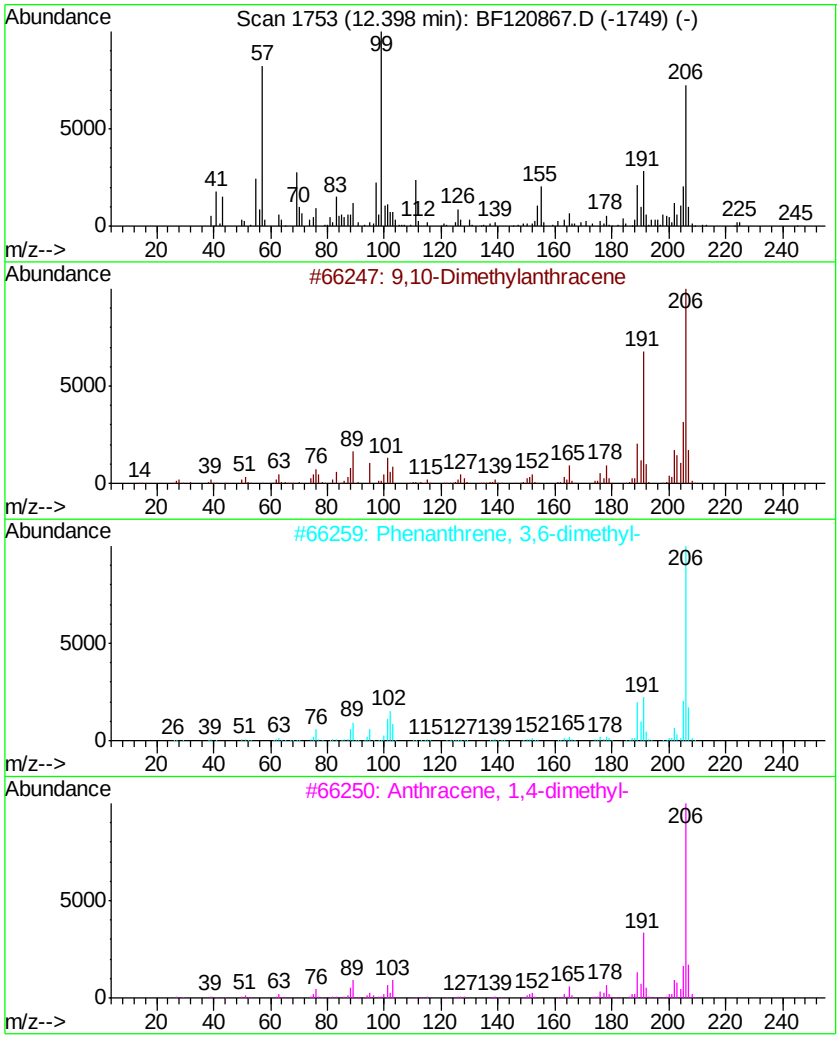
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

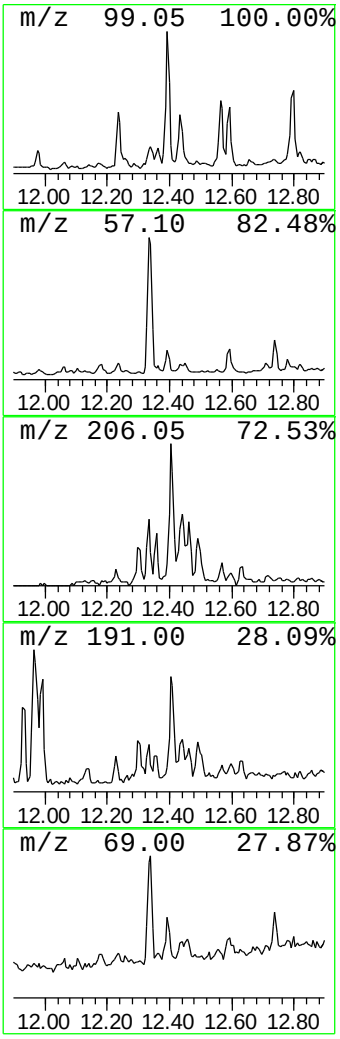
****

Peak Number 5 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.03 ng	142991	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

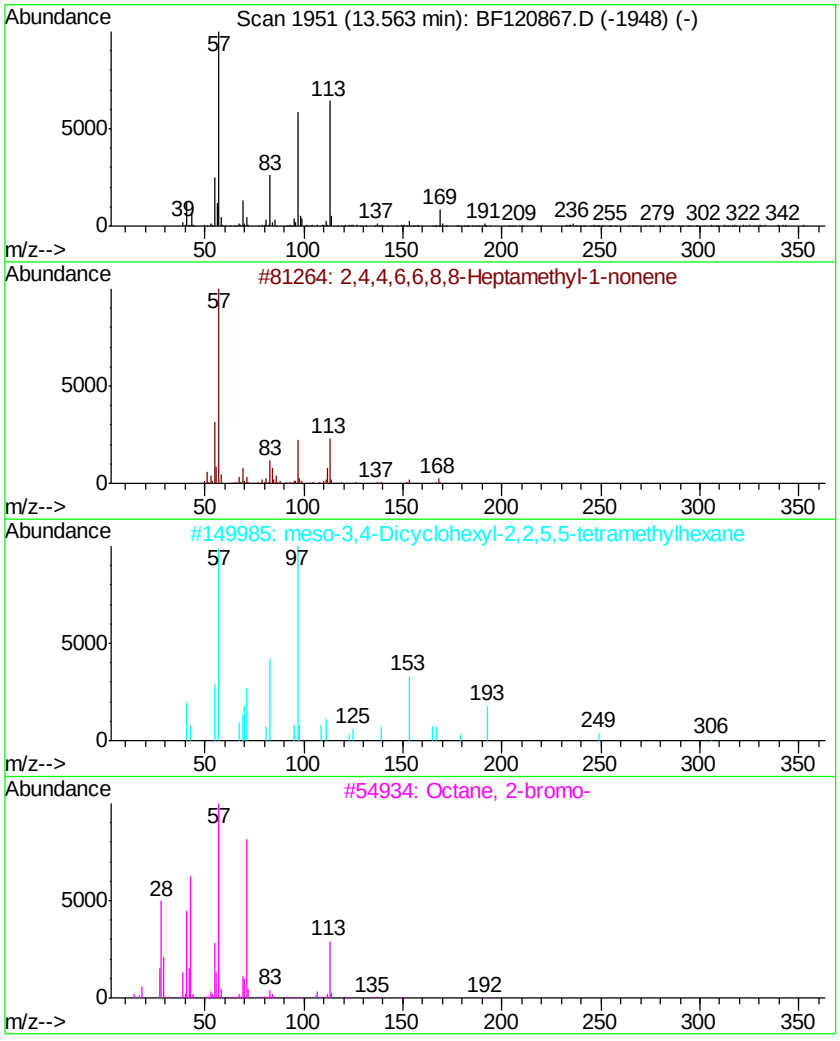
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

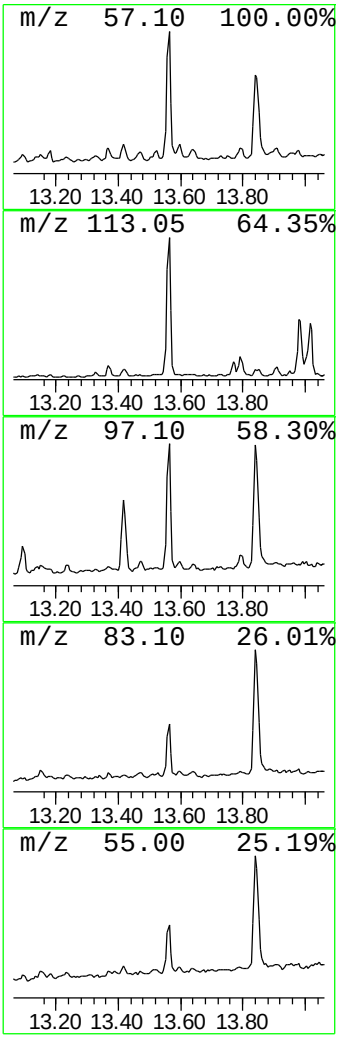
****

Peak Number 6 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.80 ng	255787	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	78
2	meso-3,4-Dicyclohexyl-2,2,5,5-te...	306	C22H42	065149-86-2	32
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	25
4	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	22
5	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

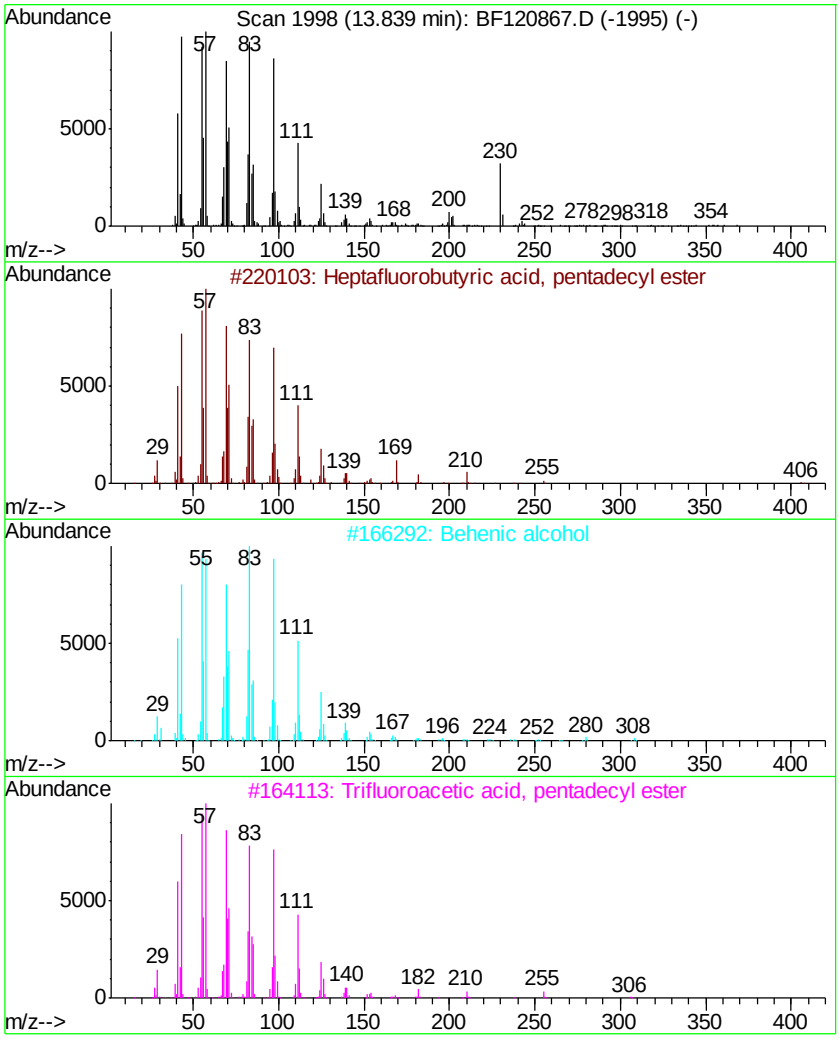
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

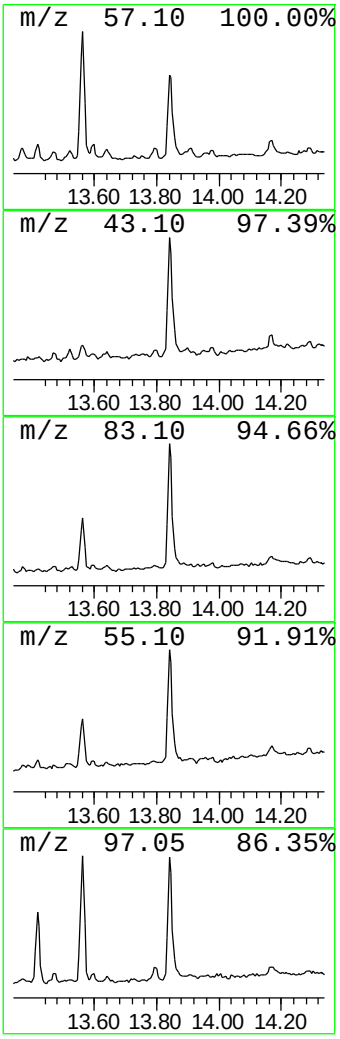
****

Peak Number 7 Heptafluorobutyric acid, pe... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	7.43 ng	678051	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Cyclopentadecane	210	C15H30	000295-48-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.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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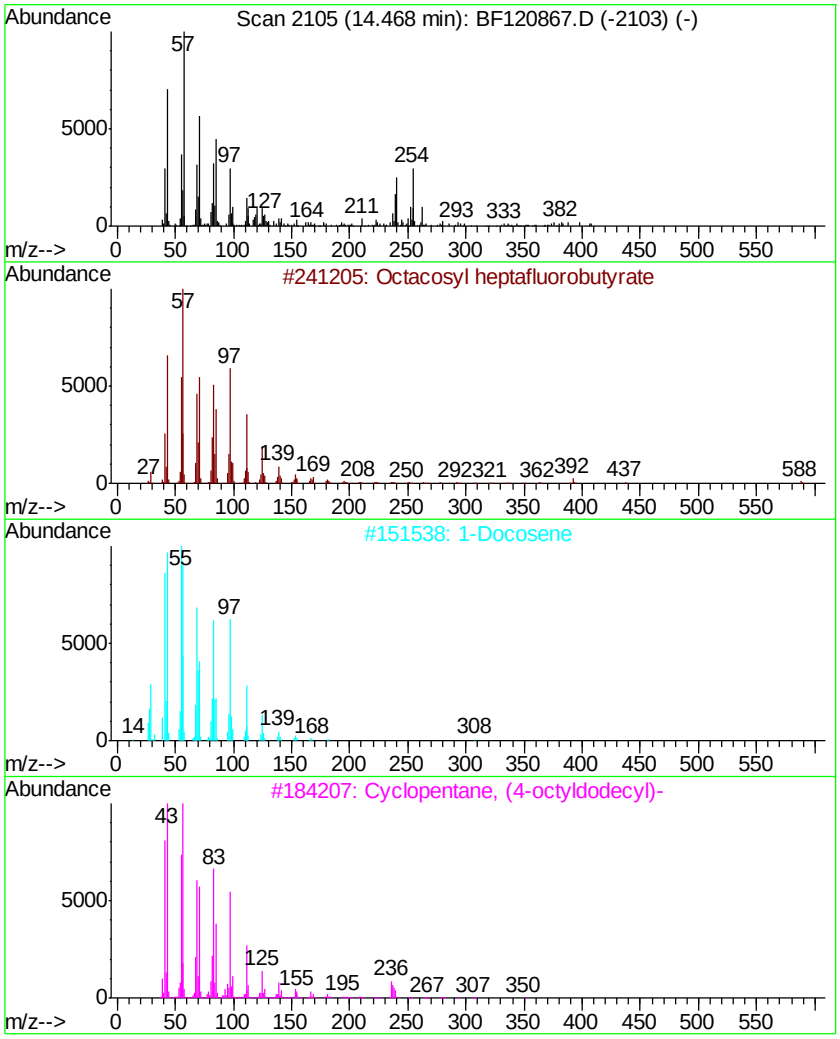
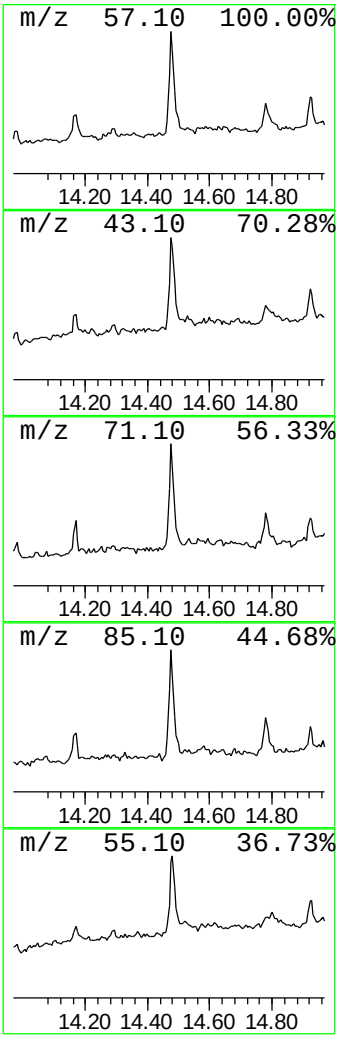
Peak Number 8 Octacosyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	4.71 ng	429411	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	81
2	1-Docosene	308	C22H44	001599-67-3	80
3	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	74
4	Tetracosyl pentafluoropropionate	500	C27H49F5O2	1000351-81-3	74
5	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

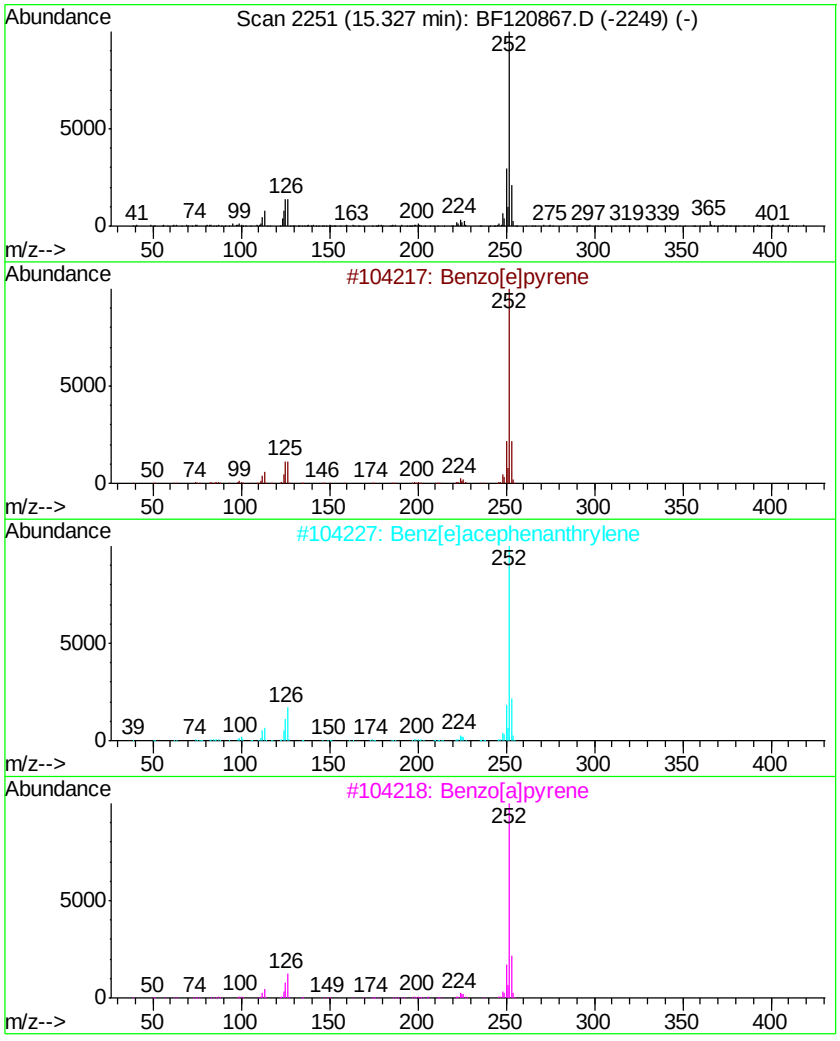
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

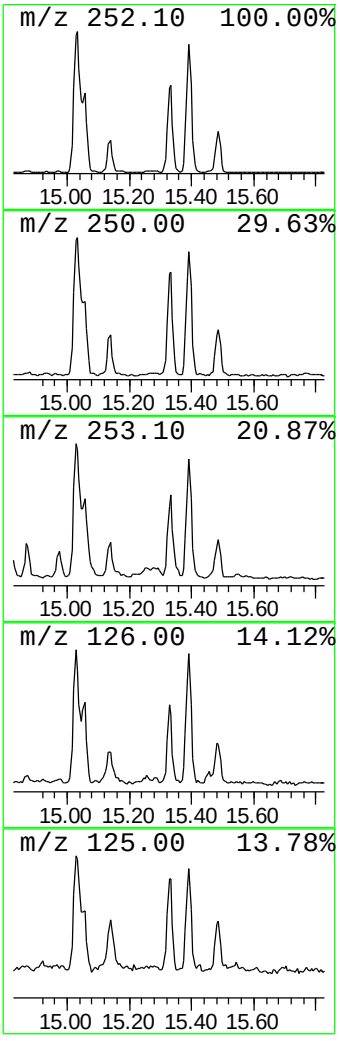
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	5.47 ng	283287	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071420\
Data File : BF120867.D
Acq On : 14 Jul 2020 18:19
Operator : JU/CG
Sample : L3287-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-012-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Penten-2-one, 4...	4.41	2.6	ng	156261	1	6.83	1209600	20.0
2-Pentanone, 4-hy...	5.04	2.8	ng	171343	1	6.83	1209600	20.0
Anthracene, 2-met...	11.89	2.1	ng	146608	4	11.36	1406250	20.0
unknown12.33	12.33	5.0	ng	350032	4	11.36	1406250	20.0
9,10-Dimethylanth...	12.40	2.0	ng	142991	4	11.36	1406250	20.0
2,4,4,6,6,8,8-Hep...	13.56	2.8	ng	255787	5	13.99	1824270	20.0
Heptafluorobutyri...	13.84	7.4	ng	678051	5	13.99	1824270	20.0
Octacosyl heptafl...	14.47	4.7	ng	429411	5	13.99	1824270	20.0
Benzo[e]pyrene	15.33	5.5	ng	283287	6	15.46	1034910	20.0