LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

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-BF012020.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	2.163	6	13	27	rVB	806097	1191130	16.57%	2.106%
2	5.104	502	513	516	rBV	4337147	7187822	100.00%	12.707%
3	5.487	573	578	581	rBV	2027462	1903554	26.48%	3.365%
4	6.487	743	748	757	rBV	2945566	3058407	42.55%	5.407%
5	6.863	808	812	816	rBV	1959940	1553222	21.61%	2.746%
6	6.922	819	822	826	rBV	110784	101340	1.41%	0.179%
7	7.022	835	839	842	rVB	5284822	4521126	62.90%	7.993%
8	7.422	898	907	910	rBV	3662954	3441914	47.89%	6.085%
9	7.575	929	933	936	rBV	1200175	991525	13.79%	1.753%
10	7.634	940	943	946	rVB	85399	73583	1.02%	0.130%
11	8.145	1026	1030	1033	rBV	2314375	1963824	27.32%	3.472%
12	9.222	1208	1213	1216	rBV	6329065	5853684	81.44%	10.348%
13	9.416	1243	1246	1251	rVB	191506	185251	2.58%	0.327%
14	9.610	1275	1279	1284	rVB	972508	821736	11.43%	1.453%
15	9.757	1301	1304	1310	rBV	119269	120861	1.68%	0.214%
16	9.898	1324	1328	1331	rVV	2618203	2217260	30.85%	3.920%
17	9.928	1331	1333	1337	rVB	279747	247646	3.45%	0.438%
18	10.445	1418	1421	1425	rBV	180019	166963	2.32%	0.295%
19	10.680	1457	1461	1466	rBV	1589404	1392004	19.37%	2.461%
20	10.804	1478	1482	1490	rVB3	210267	329847	4.59%	0.583%
21	10.869	1490	1493	1496	rBV	179637	184110	2.56%	0.325%
22	10.898	1496	1498	1502	rVV2	147213	192563	2.68%	0.340%
23	10.933	1502	1504	1506	rVV	166592	136559	1.90%	0.241%
24	10.957	1506	1508	1511	rVV	126615	109085	1.52%	0.193%
25	10.998	1511	1515	1517	rVV2	81905	134435	1.87%	0.238%
26	11.045	1520	1523	1527	rVV3	170400	185611	2.58%	0.328%
27	11.080	1527	1529	1531	rVV	112415	99570	1.39%	0.176%
28	11.128	1535	1537	1541	rVB2	89565	88215	1.23%	0.156%
29	11.239	1552	1556	1561	rBV3	244730	290768	4.05%	0.514%
30	11.280	1561	1563	1568	rVB2	73205	86089	1.20%	0.152%
31	11.380	1576	1580	1583	rBV	2194244	2079386	28.93%	3.676%
32	11.404	1583	1584	1588	rVV	619704	395447	5.50%	0.699%
33	11.457	1589	1593	1596	rVB	627571	544696	7.58%	0.963%
34	11.604	1615	1618	1621	rBV	168877	152067	2.12%	0.269%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.904	1667	1669	1674	rVV2	123803	128320	1.79%	0.227%
36	11.957	1676	1678	1682	rVV2	104626	135998	1.89%	0.240%
37	11.998	1682	1685	1693	rVB	180967	236203	3.29%	0.418%
38	12.163	1710	1713	1718	rVB2	98425	117251	1.63%	0.207%
39	12.433	1756	1759	1762	rBV	89637	103616	1.44%	0.183%
40	12.592	1783	1786	1790	rBV	783577	649394	9.03%	1.148%
41	12.633	1791	1793	1799	rVB5	65270	77553	1.08%	0.137%
42	12.710	1800	1806	1810	rBV	419202	437280	6.08%	0.773%
43	12.822	1819	1825	1827	rBV	580667	636802	8.86%	1.126%
44	12.963	1845	1849	1853	rVB	5252761	4678602	65.09%	8.271%
45	13.145	1878	1880	1883	rVB	176414	169535	2.36%	0.300%
46	13.216	1889	1892	1895	rVB	193494	171812	2.39%	0.304%
47	13.251	1895	1898	1901	rBV2	118893	121572	1.69%	0.215%
48	13.857	1998	2001	2007	rBV	412418	457310	6.36%	0.808%
49	14.016	2022	2028	2030	rBV2	1815798	2057698	28.63%	3.638%
50	14.039	2030	2032	2040	rVB	413556	377332	5.25%	0.667%
51	14.180	2054	2056	2062	rVB3	94902	115403	1.61%	0.204%
52	14.398	2091	2093	2097	rVB	95143	88997	1.24%	0.157%
53	14.486	2105	2108	2112	rBV3	188363	230689	3.21%	0.408%
54	14.792	2157	2160	2164	rVB	172483	155101	2.16%	0.274%
55	15.051	2201	2204	2207	rBV	255243	348232	4.84%	0.616%
56	15.133	2214	2218	2221	rBV	185510	226302	3.15%	0.400%
57	15.351	2252	2255	2261	rVB	225735	356509	4.96%	0.630%
58	15.415	2262	2266	2270	rVB	259049	302991	4.22%	0.536%
59	15.480	2272	2277	2280	rVV	1411498	1719367	23.92%	3.040%
60	15.515	2280	2283	2288	rVB2	215098	295485	4.11%	0.522%
61	15.951	2354	2357	2362	rVB2	127974	169234	2.35%	0.299%

Sum of corrected areas: 56565888

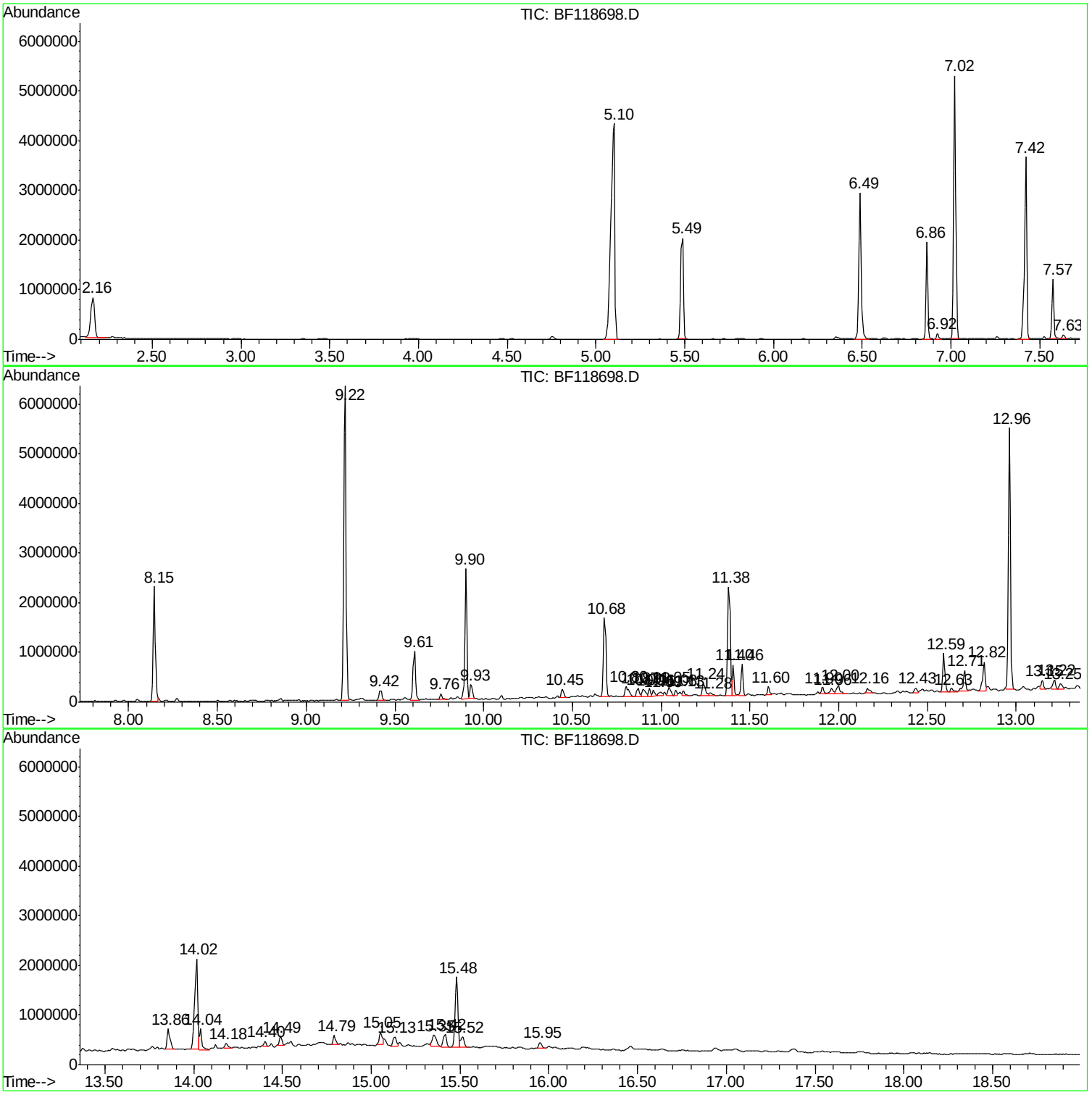
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

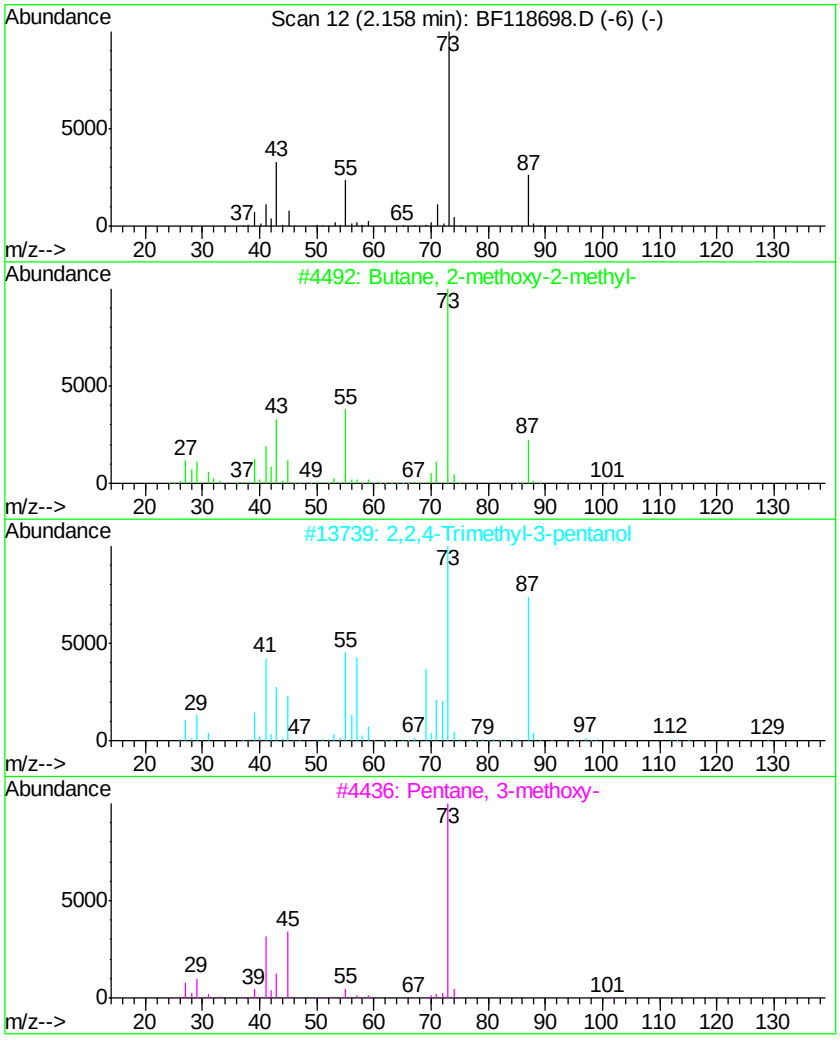
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

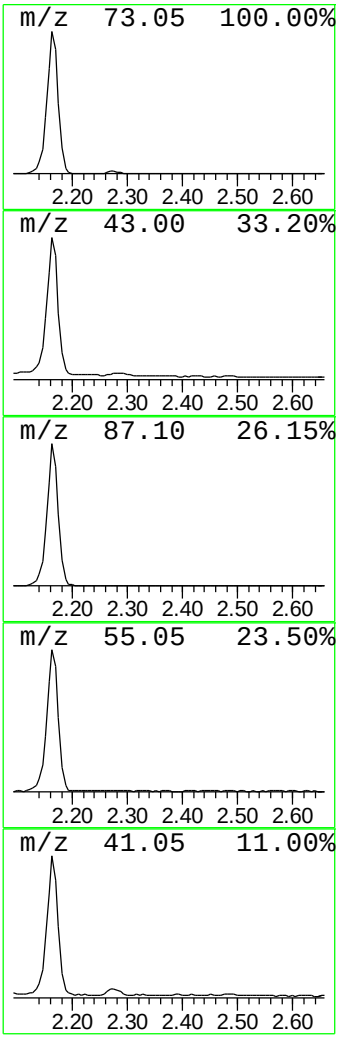
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	15.34 ng	1191130	1,4-Dichlorobenzene-d4	6.86

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

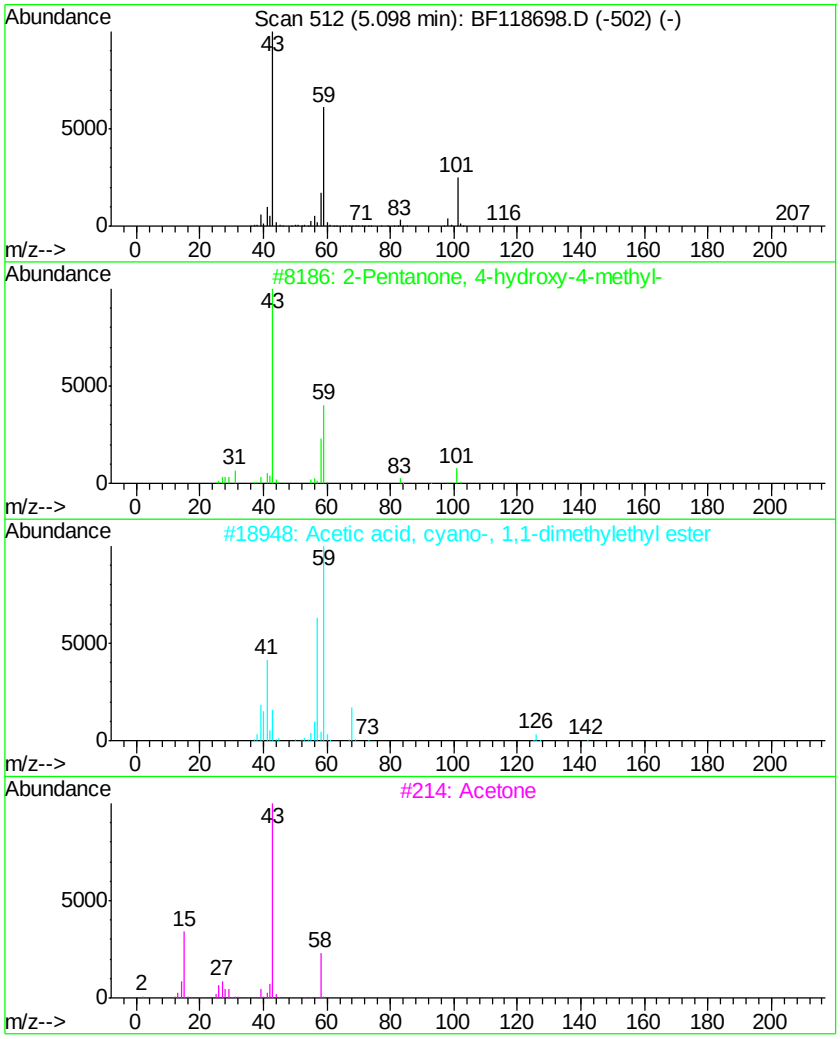
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

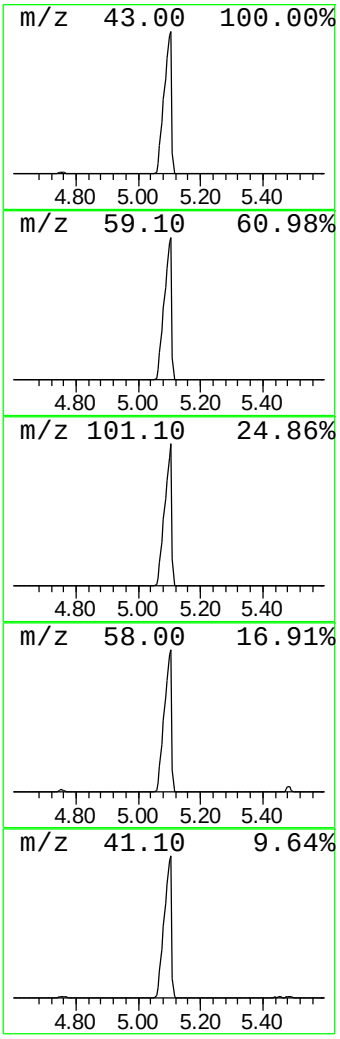
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	92.55 ng	7187820	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Acetone	58	C3H6O	000067-64-1	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

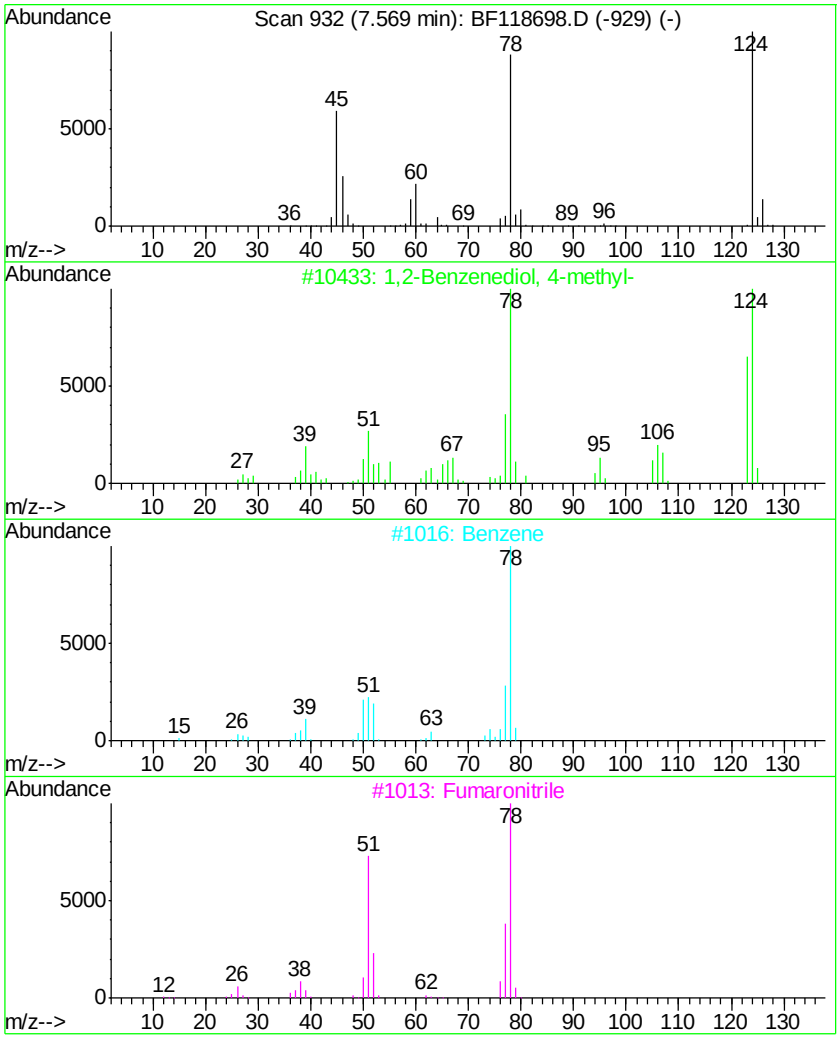
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

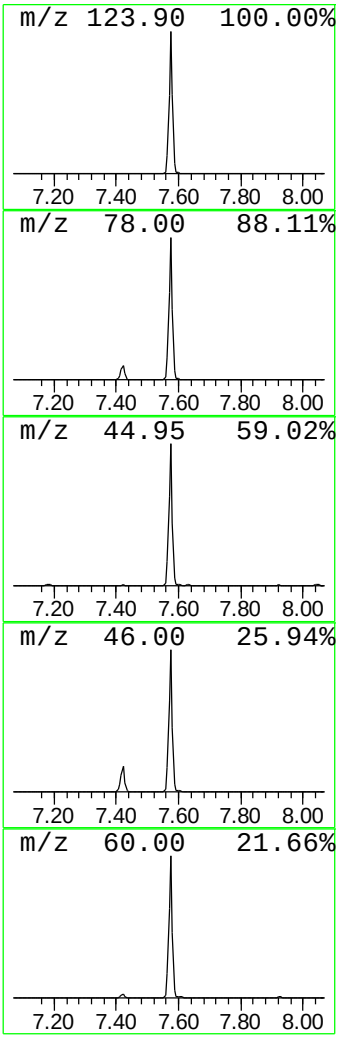
****

Peak Number 4 unknown7.57 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	10.10 ng	991525	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenediol, 4-methyl-	124	C7H8O2	000452-86-8	45
2	Benzene	78	C6H6	000071-43-2	9
3	Fumaronitrile	78	C4H2N2	000764-42-1	9
4	1,2,4-Trithiolane	124	C2H4S3	000289-16-7	9
5	Propanedinitrile, methylene-	78	C4H2N2	000922-64-5	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

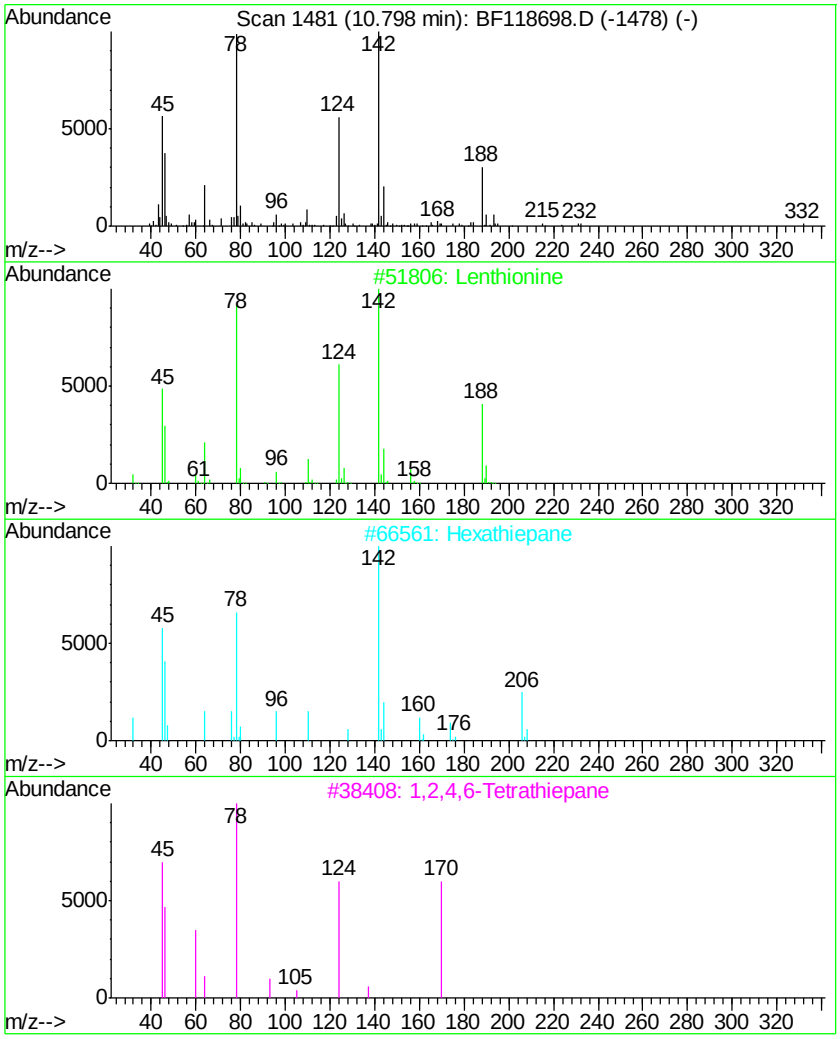
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

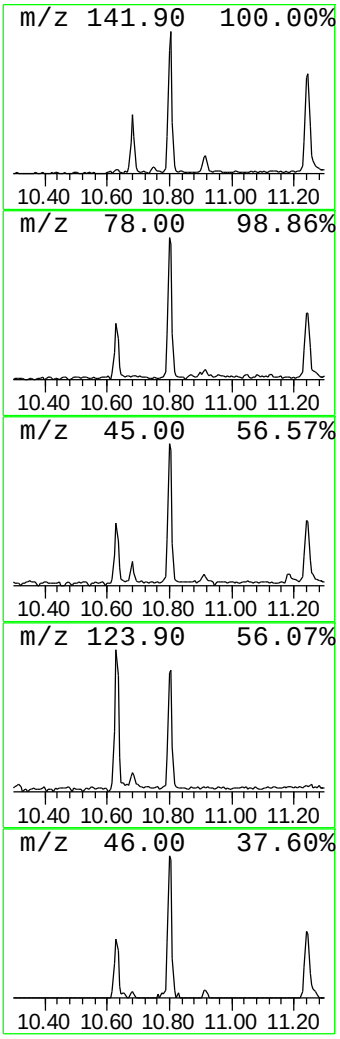
****

Peak Number 5 Lenthionine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.17 ng	329847	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lenthionine	188	C2H4S5	000292-46-6	93
2	Hexathiepane	206	CH2S6	017233-71-5	56
3	1,2,4,6-Tetrathiepane	170	C3H6S4	000292-45-5	38
4	Phenylphosphonous acid	142	C6H7O2P	001779-48-2	36
5	Methylthiophosphonamidic acid, S...	125	C2H8NOPS	1000306-03-2	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

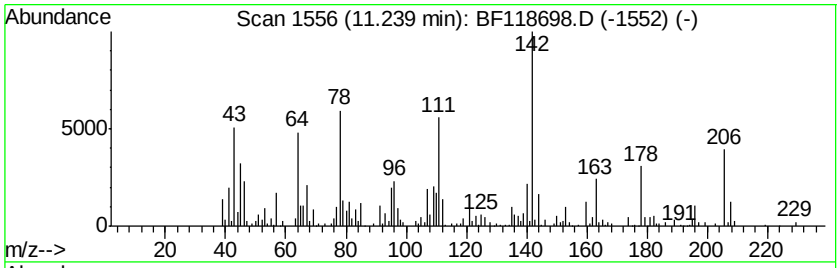
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

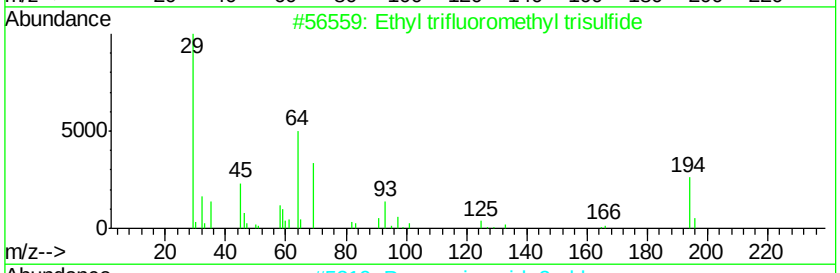
****

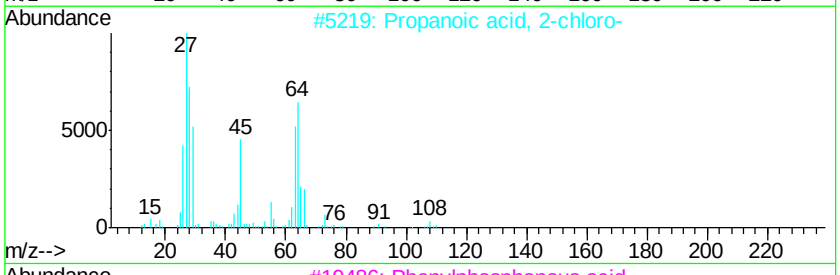
Peak Number 6 unknown11.24 Concentration Rank 8

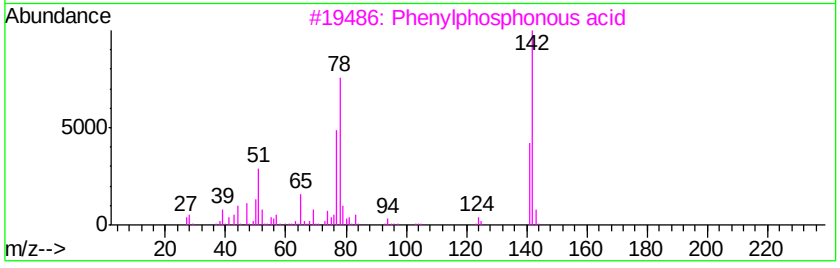
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.80 ng	290768	Phenanthrene-d10	11.38

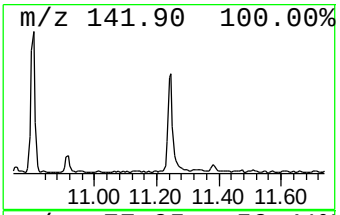
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl trifluoromethyl trisulfide	194	C3H5F3S3	055882-01-4	12
2	Propanoic acid, 2-chloro-	108	C3H5ClO2	000598-78-7	12
3	Phenylphosphonous acid	142	C6H7O2P	001779-48-2	11
4	4-Amino-1-methyl-5-nitropyrazole	142	C4H6N4O2	089607-16-9	10
5	Hexathiepane	206	CH2S6	017233-71-5	10

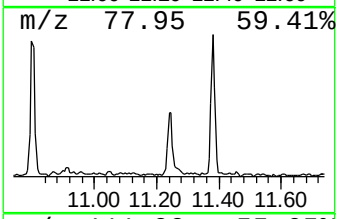


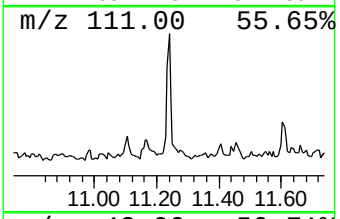


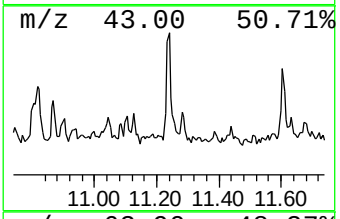


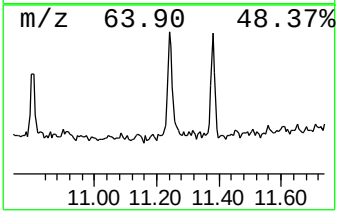












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

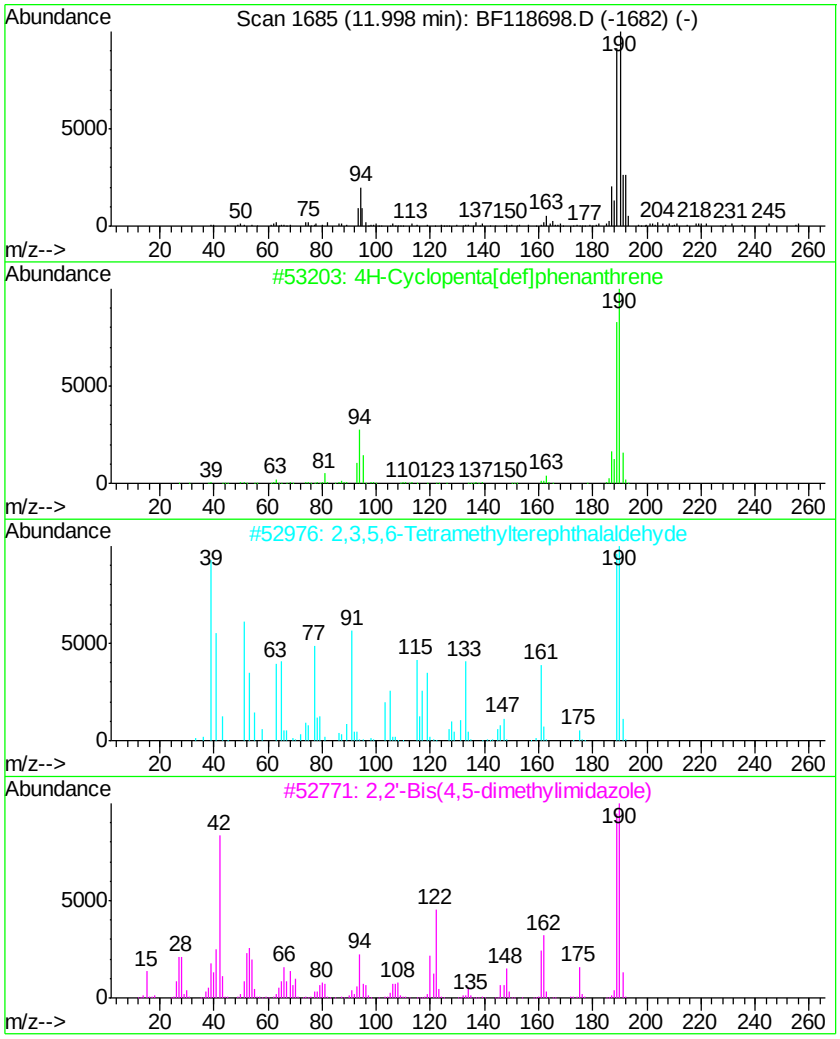
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

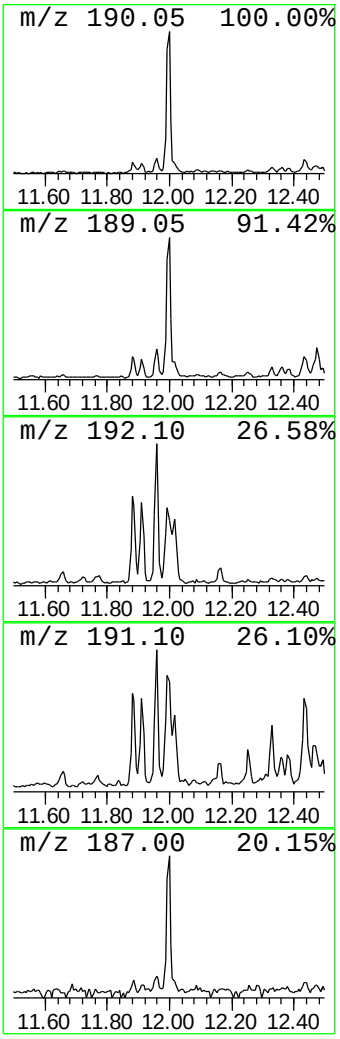
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.27 ng	236203	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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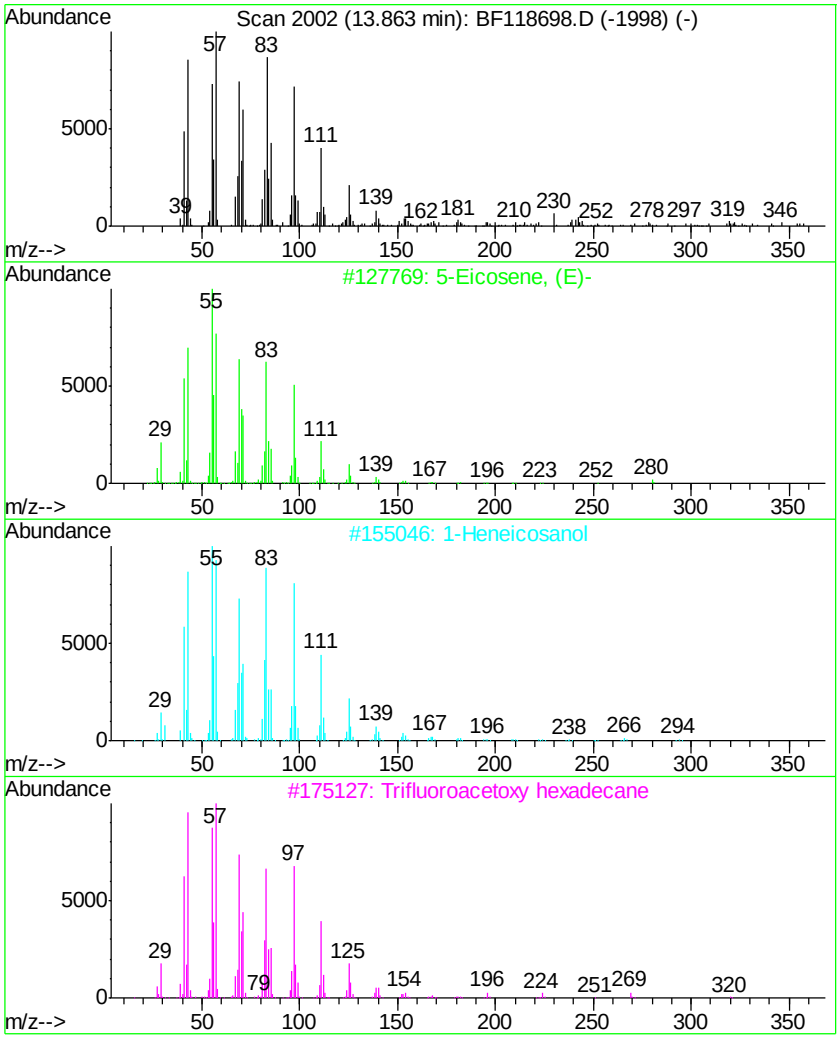
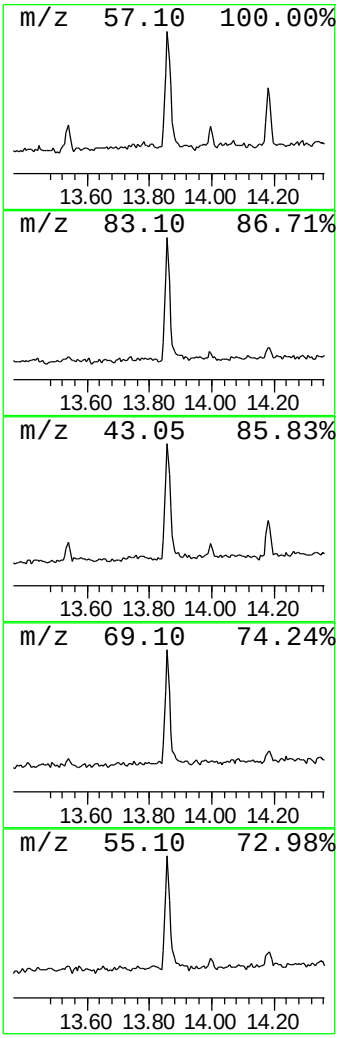
Peak Number 8 5-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	4.44 ng	457310	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	91





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Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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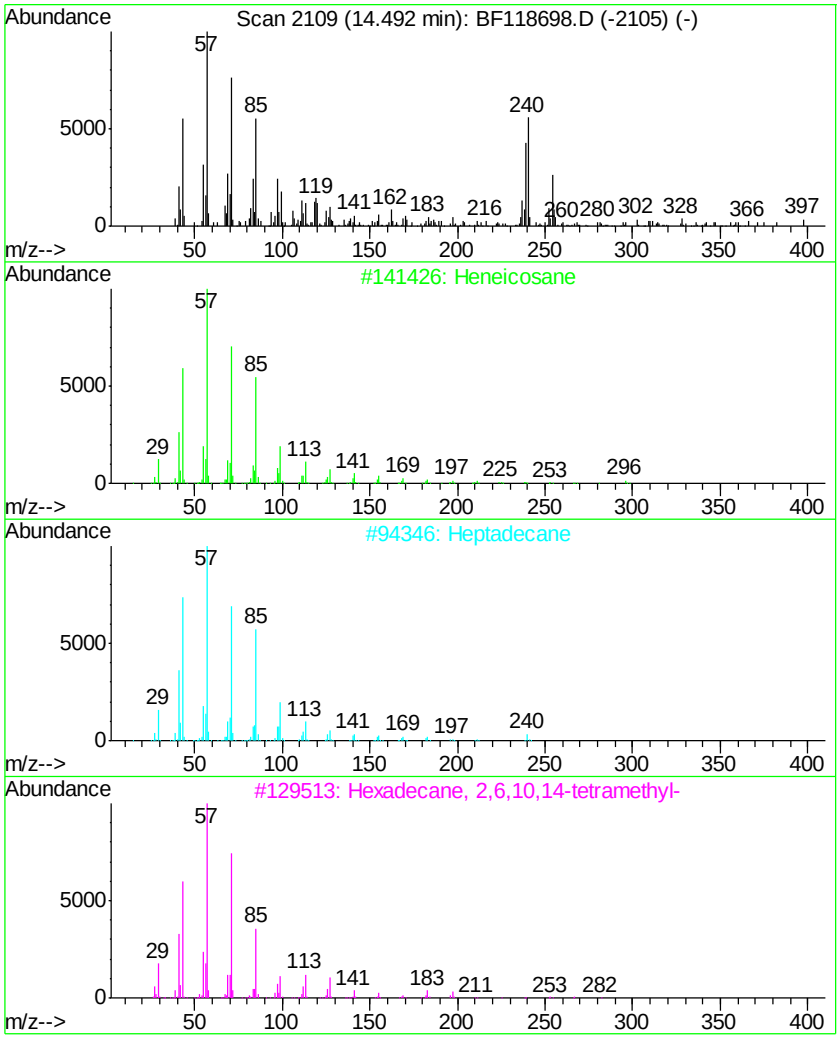
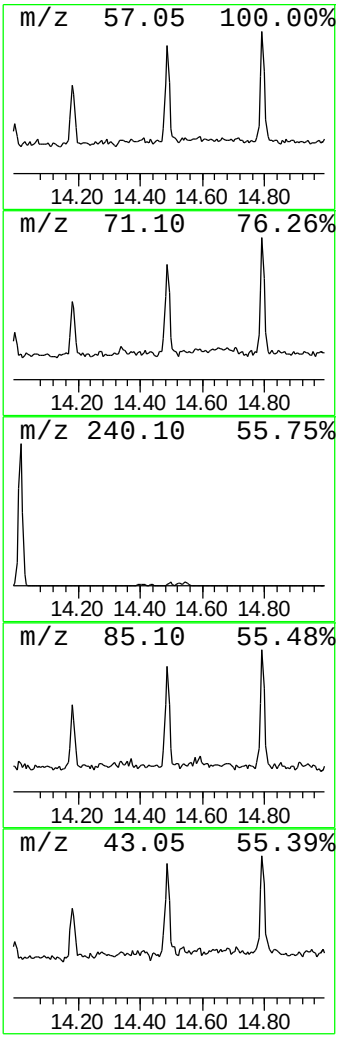
Peak Number 9 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.24 ng	230689	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane	240	C17H36	000629-78-7	96
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	89
5	Hexacosane	366	C26H54	000630-01-3	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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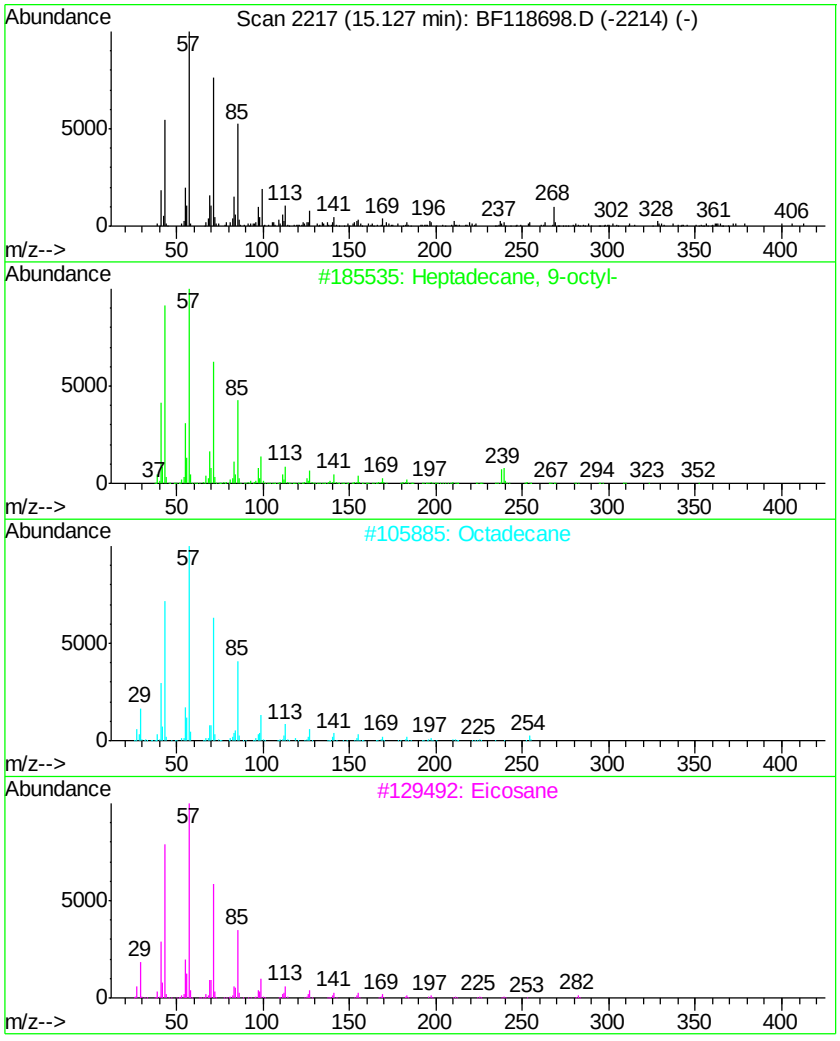
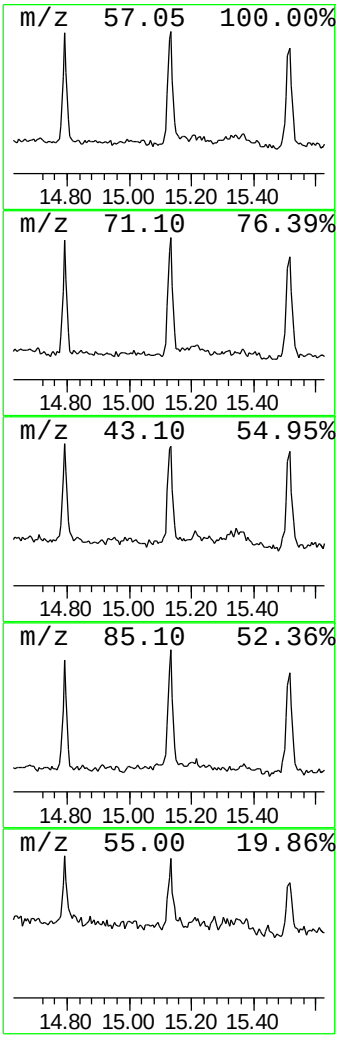
Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.63 ng	226302	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	97
2	Octadecane	254	C18H38	000593-45-3	97
3	Eicosane	282	C20H42	000112-95-8	97
4	Nonadecane	268	C19H40	000629-92-5	94
5	Docosane	310	C22H46	000629-97-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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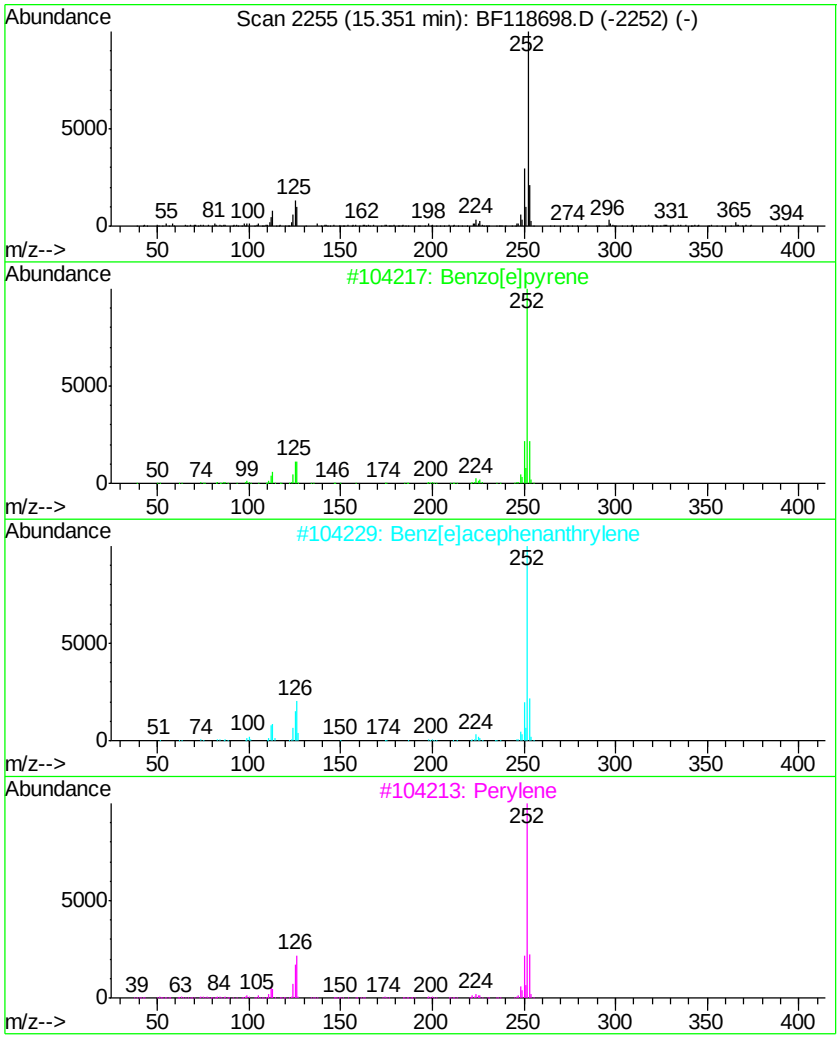
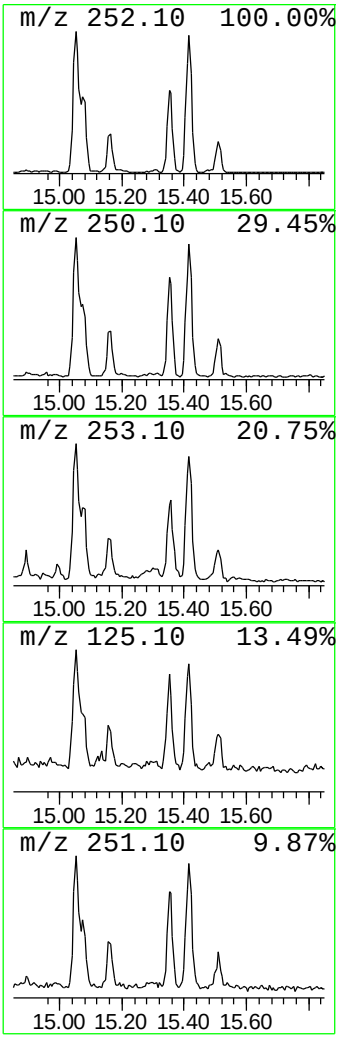
Peak Number 11 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	4.15 ng	356509	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012420\
Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20200066-AMENDED-COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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
Butane, 2-methoxy...	2.16	15.3	ng	1191130	1	6.86	1553220	20.0
2-Pentanone, 4-hy...	5.10	92.5	ng	7187820	1	6.86	1553220	20.0
unknown7.57	7.57	10.1	ng	991525	2	8.15	1963820	20.0
Lenthionine	10.80	3.2	ng	329847	4	11.38	2079390	20.0
unknown11.24	11.24	2.8	ng	290768	4	11.38	2079390	20.0
4H-Cyclopenta[def...	12.00	2.3	ng	236203	4	11.38	2079390	20.0
5-Eicosene, (E)-	13.86	4.4	ng	457310	5	14.02	2057700	20.0
Heneicosane	14.49	2.2	ng	230689	5	14.02	2057700	20.0
Heptadecane, 9-oc...	15.13	2.6	ng	226302	6	15.48	1719370	20.0
Benzo[e]pyrene	15.35	4.2	ng	356509	6	15.48	1719370	20.0