LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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-BF111319.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	2.157	6	12	17	rVB	384347	506985	13.32%	1.323%
2	5.087	506	510	519	rVB	480154	590571	15.51%	1.542%
3	5.492	575	579	583	rBV	2992659	2938566	77.19%	7.671%
4	6.504	740	751	762	rBV	3216702	3406981	89.49%	8.894%
5	6.645	771	775	779	rBV	3186522	2913920	76.54%	7.607%
6	6.875	811	814	818	rBV	912751	811463	21.32%	2.118%
7	7.033	837	841	844	rBV	2897006	2381113	62.55%	6.216%
8	7.439	905	910	913	rBV	2192343	1983263	52.10%	5.177%
9	7.886	982	986	996	rBV3	21421	39756	1.04%	0.104%
10	8.163	1029	1033	1049	rBV	1367832	1223509	32.14%	3.194%
11	8.498	1085	1090	1098	rBV	30270	54173	1.42%	0.141%
12	9.245	1212	1217	1220	rBV	4073842	3806981	100.00%	9.938%
13	9.633	1280	1283	1292	rVB	308315	291897	7.67%	0.762%
14	9.927	1329	1333	1336	rBV	1301407	1140290	29.95%	2.977%
15	9.957	1336	1338	1345	rVB	50966	47064	1.24%	0.123%
16	10.474	1422	1426	1433	rBV	37073	38735	1.02%	0.101%
17	10.721	1463	1468	1479	rBV	2239205	2197128	57.71%	5.735%
18	11.421	1583	1587	1589	rBV	1379301	1190524	31.27%	3.108%
19	11.445	1589	1591	1594	rVV	630563	488557	12.83%	1.275%
20	11.492	1594	1599	1603	rVB	102791	124787	3.28%	0.326%
21	11.651	1620	1626	1634	rBV2	67148	91033	2.39%	0.238%
22	11.939	1667	1675	1683	rBV2	293279	456167	11.98%	1.191%
23	12.039	1688	1692	1694	rBV	87981	102099	2.68%	0.267%
24	12.221	1720	1723	1725	rBV	47189	39530	1.04%	0.103%
25	12.245	1725	1727	1732	rVB	43759	41336	1.09%	0.108%
26	12.468	1761	1765	1769	rBV3	51949	76746	2.02%	0.200%
27	12.563	1778	1781	1786	rVB	45845	47284	1.24%	0.123%
28	12.639	1790	1794	1800	rBV	956032	826249	21.70%	2.157%
29	12.727	1807	1809	1815	rBV2	119657	137431	3.61%	0.359%
30	12.868	1827	1833	1839	rVB	749983	777101	20.41%	2.029%
31	13.010	1853	1857	1860	rBV	3436014	2884631	75.77%	7.530%
32	13.086	1865	1870	1873	rBV3	42170	67430	1.77%	0.176%
33	13.233	1893	1895	1898	rVB2	41424	41533	1.09%	0.108%
34	13.298	1903	1906	1909	rBV2	53673	58895	1.55%	0.154%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.580	1950	1954	1957	rBV	72921	71225	1.87%	0.186%
36	13.704	1972	1975	1981	rVB	72694	75406	1.98%	0.197%
37	13.815	1990	1994	1997	rBV2	63584	74013	1.94%	0.193%
38	13.904	2005	2009	2019	rVB3	484476	656827	17.25%	1.715%
39	14.068	2029	2037	2040	rBV2	1157884	1444923	37.95%	3.772%
40	14.098	2040	2042	2048	rVB	322927	294361	7.73%	0.768%
41	14.174	2053	2055	2058	rVB	48910	39657	1.04%	0.104%
42	14.227	2060	2064	2067	rBV2	114397	113473	2.98%	0.296%
43	14.298	2072	2076	2079	rVB2	33278	43166	1.13%	0.113%
44	14.457	2099	2103	2106	rVB	59677	54209	1.42%	0.142%
45	14.533	2113	2116	2122	rBV3	129735	159482	4.19%	0.416%
46	14.845	2165	2169	2173	rVB	112314	113912	2.99%	0.297%
47	14.962	2184	2189	2196	rVB3	28457	58189	1.53%	0.152%
48	15.127	2211	2217	2220	rBV	309229	506627	13.31%	1.323%
49	15.192	2224	2228	2232	rVV2	116008	145223	3.81%	0.379%
50	15.239	2232	2236	2239	rVB	53804	64067	1.68%	0.167%
51	15.439	2265	2270	2276	rVB	175169	242385	6.37%	0.633%
52	15.498	2276	2280	2286	rVB	243479	318679	8.37%	0.832%
53	15.568	2286	2292	2304	rBV	664646	1107829	29.10%	2.892%
54	16.033	2367	2371	2377	rVB	76478	108052	2.84%	0.282%
55	16.098	2378	2382	2388	rVV6	28105	48637	1.28%	0.127%
56	16.551	2456	2459	2466	rBV2	43146	71640	1.88%	0.187%
57	17.074	2543	2548	2557	rVB2	150468	291261	7.65%	0.760%
58	17.162	2559	2563	2571	rVB5	31883	70041	1.84%	0.183%
59	17.268	2575	2581	2585	rBV	28155	58338	1.53%	0.152%
60	17.533	2620	2626	2633	rBV	108434	204858	5.38%	0.535%
61	17.774	2664	2667	2674	rVB2	25605	47646	1.25%	0.124%

Sum of corrected areas: 38307854

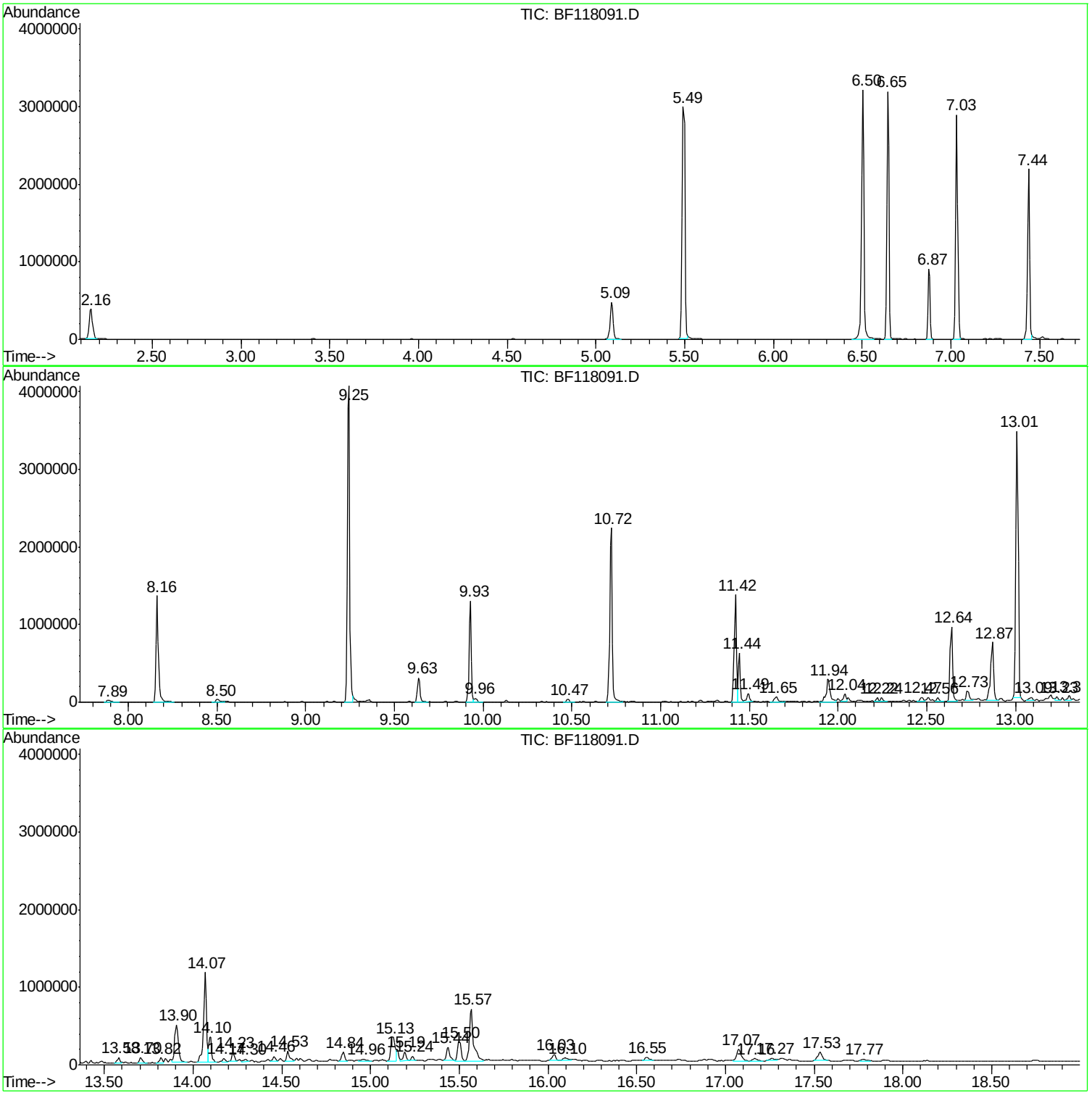
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

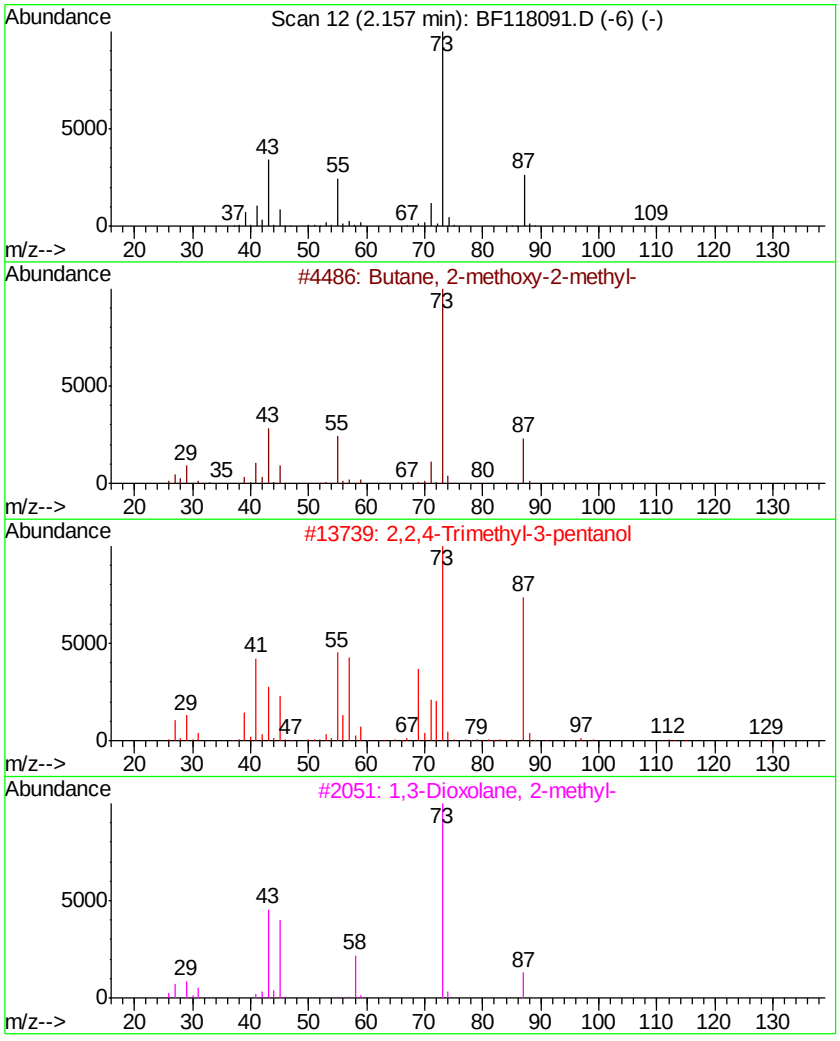
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

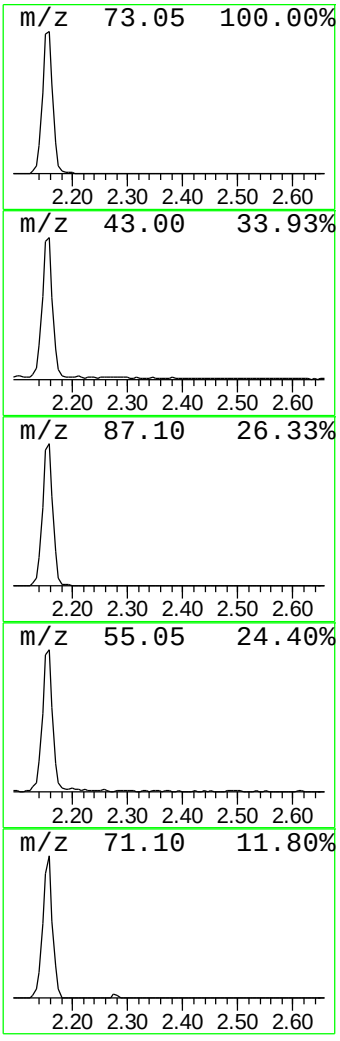
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	12.50 ng	506985	1,4-Dichlorobenzene-d4	6.87

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	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

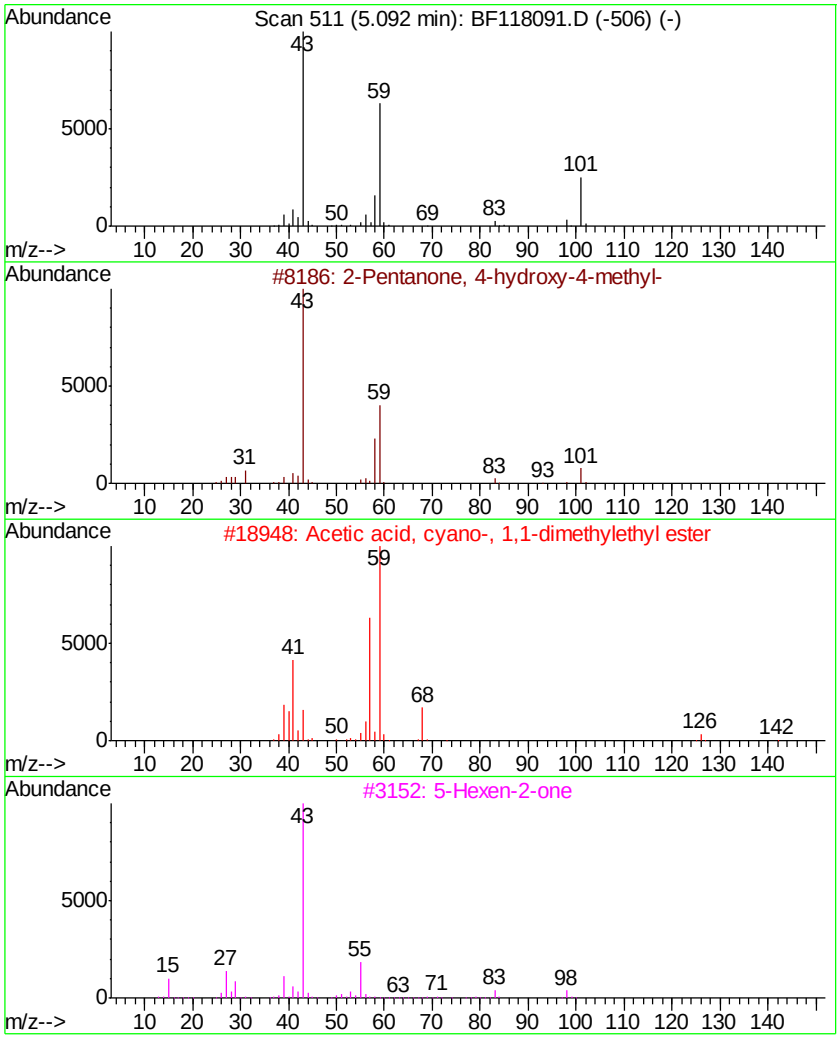
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

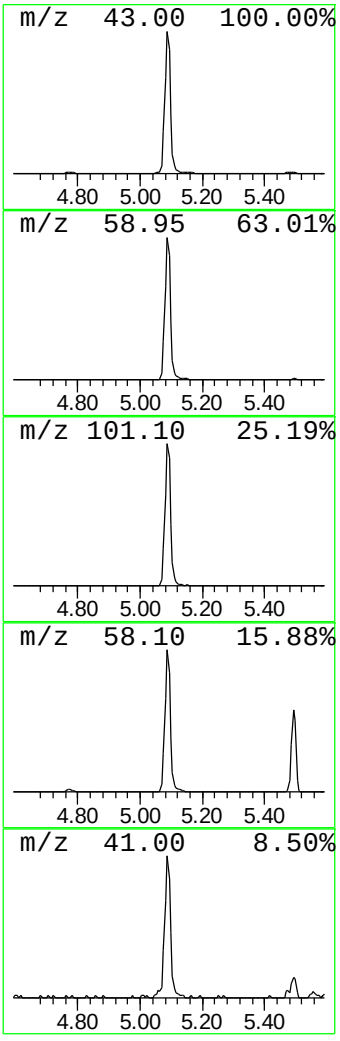
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	14.56 ng	590571	1,4-Dichlorobenzene-d4	6.87

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	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

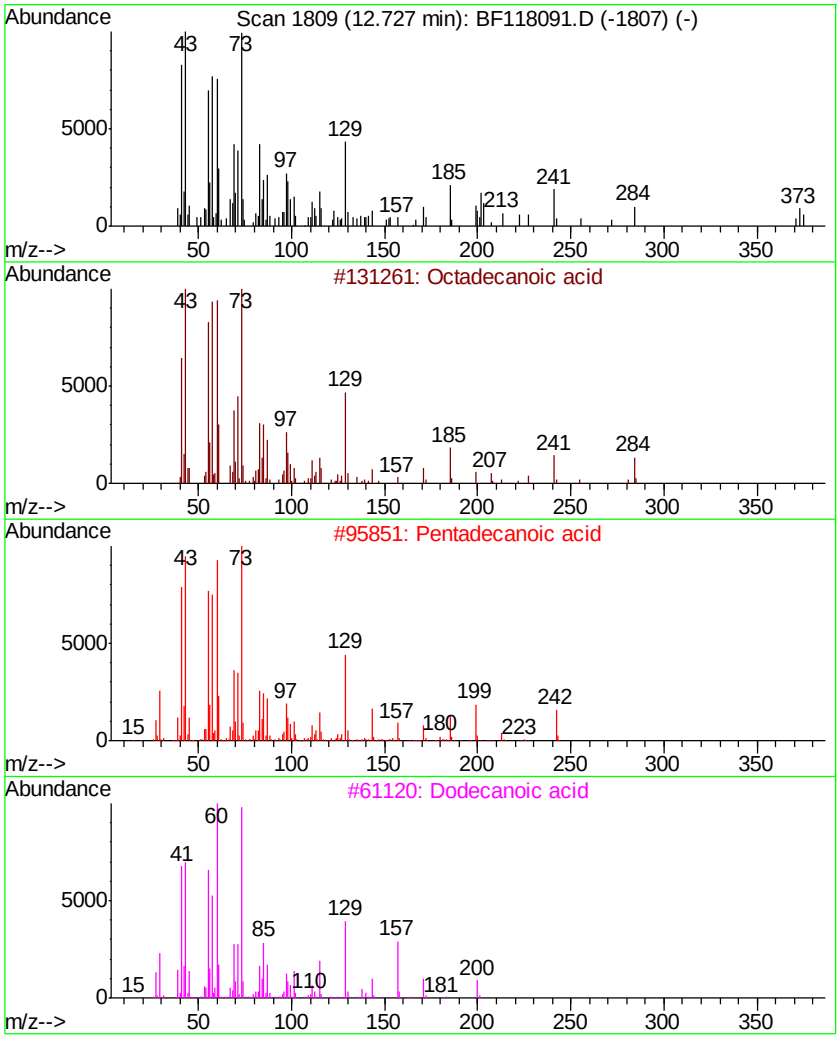
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

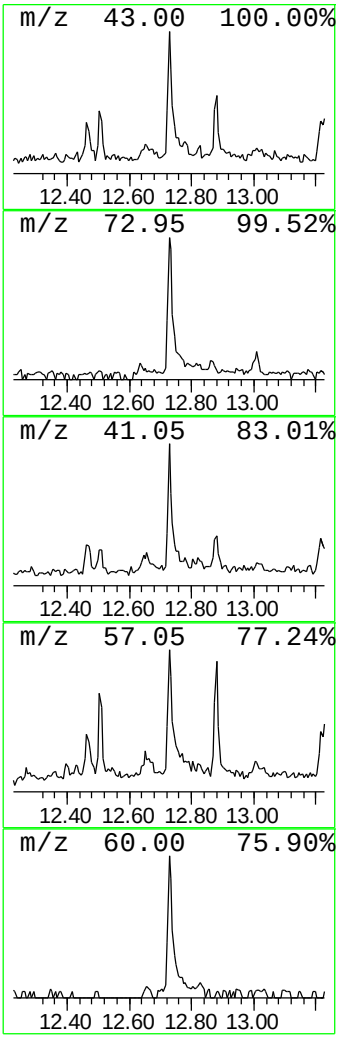
****

Peak Number 3 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	2.31 ng	137431	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Dodecanoic acid	200	C12H24O2	000143-07-7	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

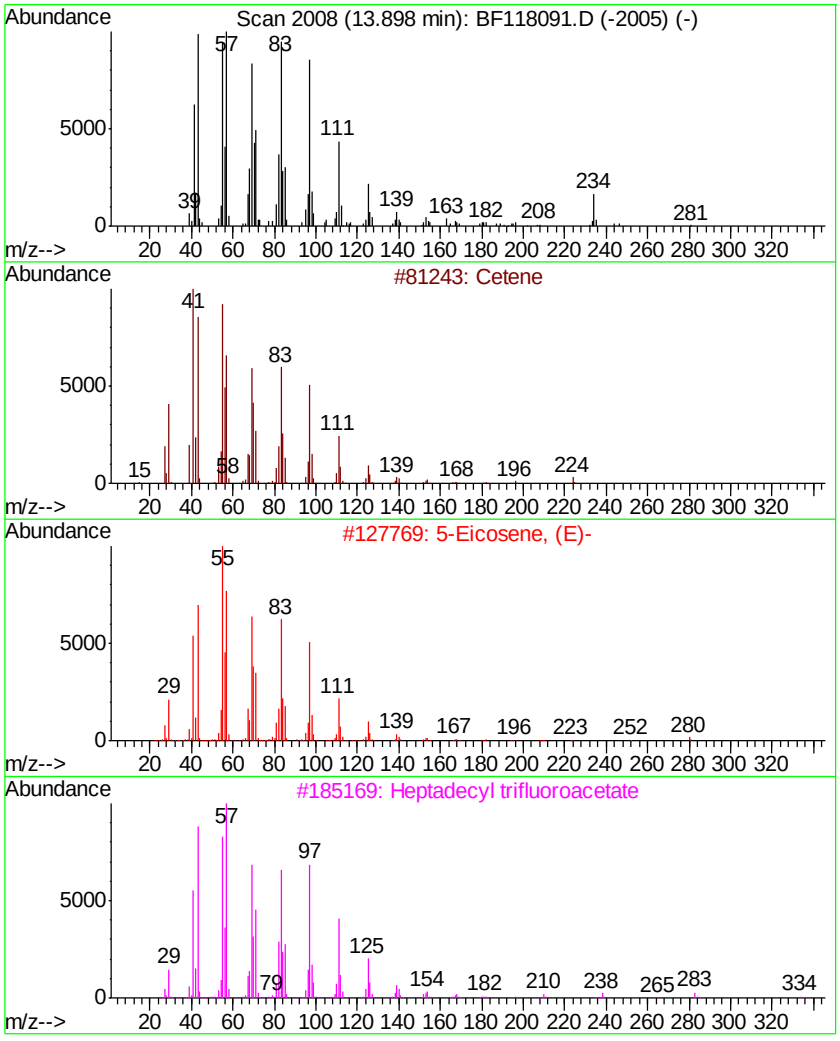
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

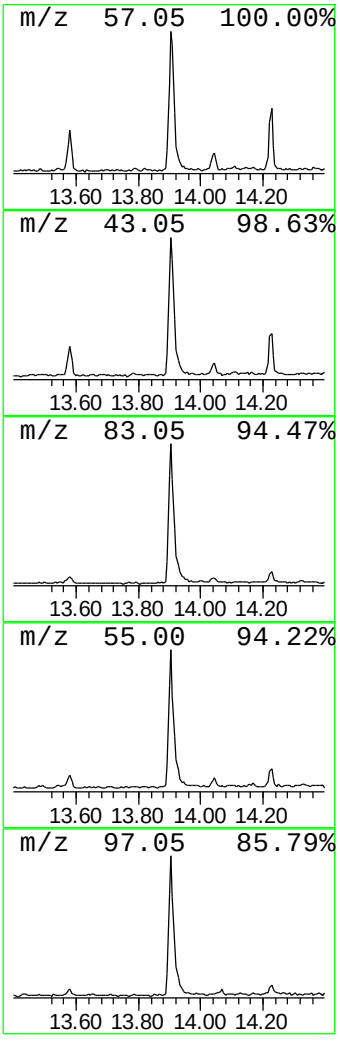
****

Peak Number 4 Cetene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	9.09 ng	656827	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	95
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	94
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

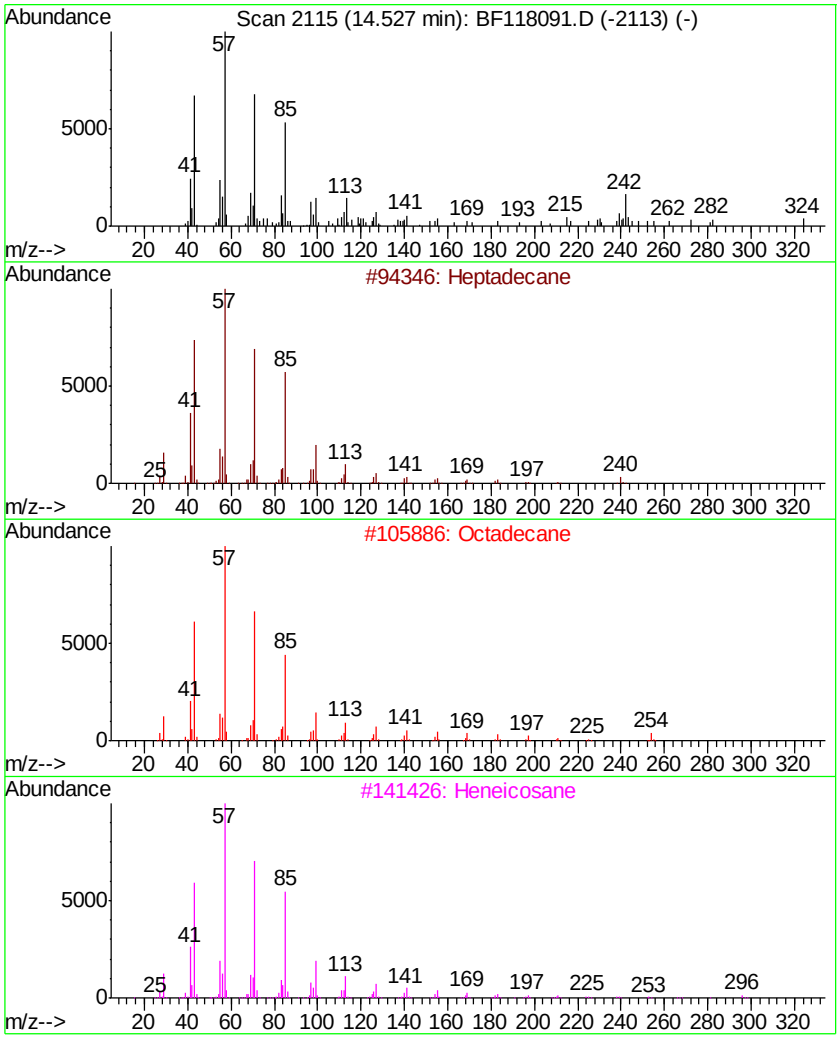
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

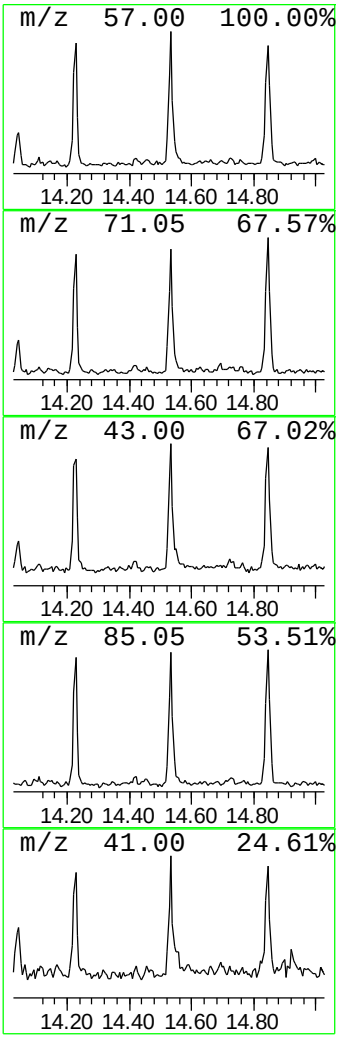
****

Peak Number 5 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	2.21 ng	159482	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Octadecane	254	C18H38	000593-45-3	94
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hentriacontane	437	C31H64	000630-04-6	90
5	Hexacosane	366	C26H54	000630-01-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

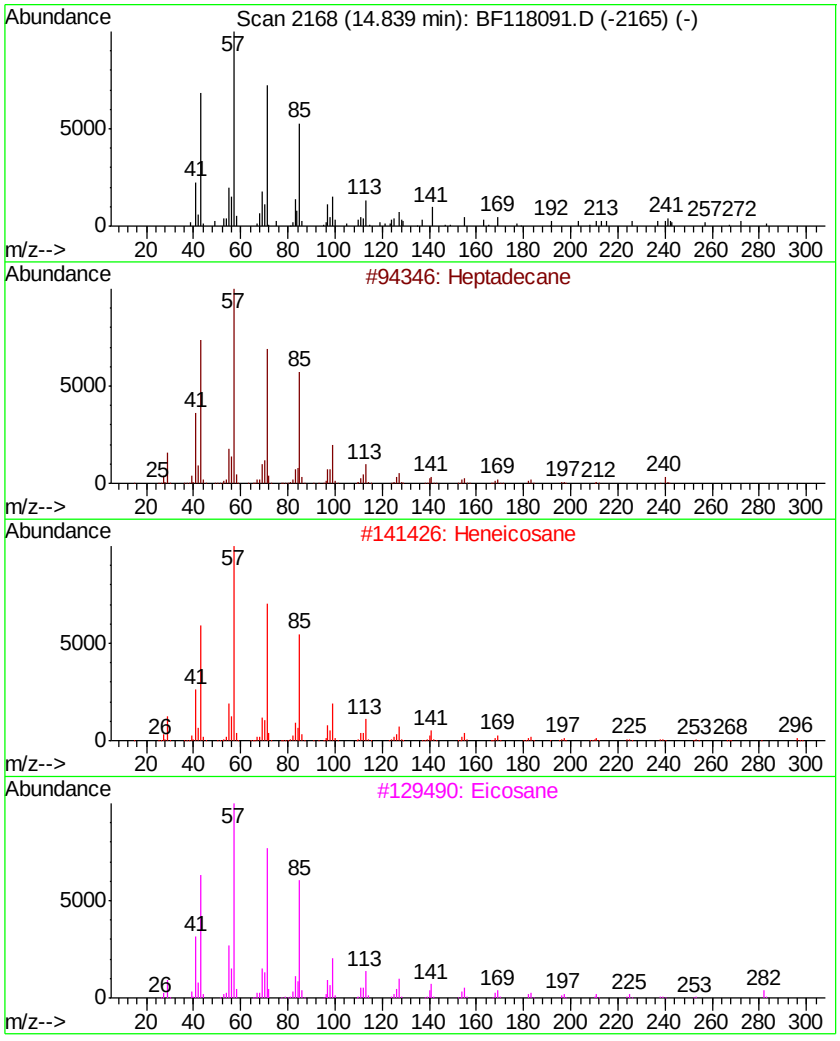
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

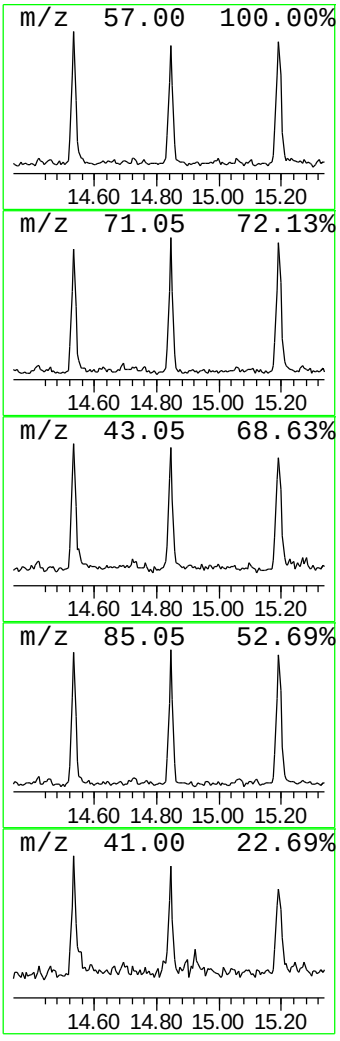
****

Peak Number 6 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.06 ng	113912	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

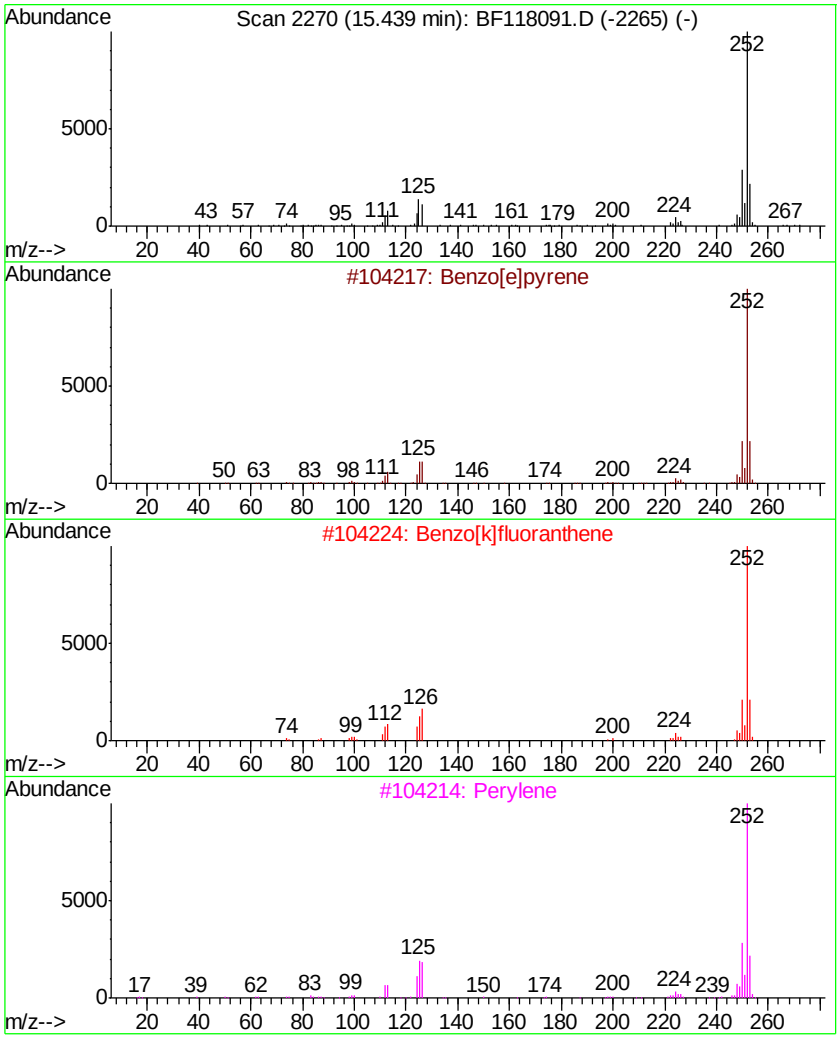
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

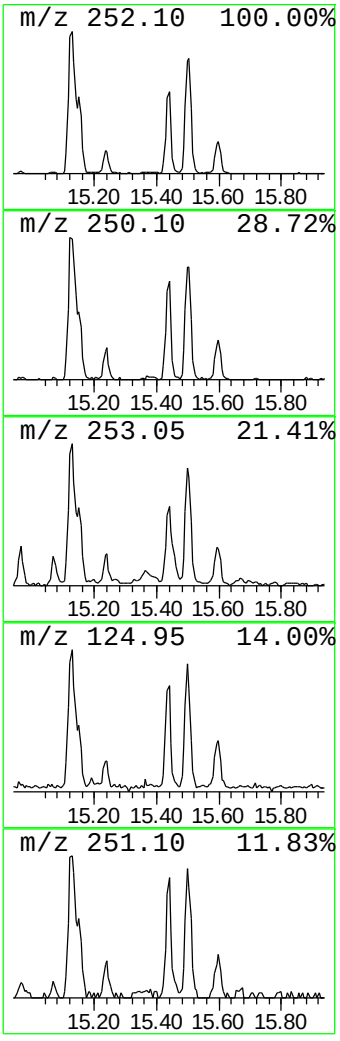
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	4.38 ng	242385	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
Operator : JU
Sample : K6119-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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	12.5	ng	506985	1	6.87	811463	20.0
2-Pentanone, 4-hy...	5.09	14.6	ng	590571	1	6.87	811463	20.0
Octadecanoic acid	12.73	2.3	ng	137431	4	11.42	1190520	20.0
Cetene	13.90	9.1	ng	656827	5	14.07	1444920	20.0
Heptadecane	14.53	2.2	ng	159482	5	14.07	1444920	20.0
Heneicosane	14.84	2.1	ng	113912	6	15.57	1107830	20.0
Benzo[e]pyrene	15.44	4.4	ng	242385	6	15.57	1107830	20.0