LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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	5.463	567	574	577	rBV	4620202	5799174	90.65%	10.156%
2	6.475	739	746	749	rBV	4156773	6125443	95.75%	10.727%
3	6.669	777	779	785	rVB	90144	75820	1.19%	0.133%
4	6.845	805	809	812	rBV	1529690	1185451	18.53%	2.076%
5	7.004	831	836	839	rBV	4579106	4871436	76.15%	8.531%
6	7.028	839	840	843	rVB	171127	90341	1.41%	0.158%
7	7.410	899	905	908	rBV	3414733	4192993	65.54%	7.343%
8	8.128	1023	1027	1030	rBV	1876399	1518566	23.74%	2.659%
9	8.839	1145	1148	1151	rBV	102264	73898	1.16%	0.129%
10	9.210	1205	1211	1214	rBV	5439708	6147365	96.09%	10.766%
11	9.322	1228	1230	1234	rVB	91685	70279	1.10%	0.123%
12	9.598	1273	1277	1280	rBV	345951	304861	4.77%	0.534%
13	9.739	1297	1301	1306	rBV	79606	70637	1.10%	0.124%
14	9.881	1321	1325	1329	rBV	1861806	1637130	25.59%	2.867%
15	9.916	1329	1331	1334	rVB	85324	64461	1.01%	0.113%
16	10.428	1415	1418	1423	rBV2	95925	81968	1.28%	0.144%
17	10.675	1454	1460	1463	rBV	3441564	3744701	58.53%	6.558%
18	11.222	1548	1553	1558	rBV4	74098	109182	1.71%	0.191%
19	11.369	1574	1578	1580	rBV	1961606	1714385	26.80%	3.002%
20	11.392	1580	1582	1585	rVV	671164	534328	8.35%	0.936%
21	11.439	1585	1590	1593	rVB	169932	153122	2.39%	0.268%
22	11.869	1660	1663	1665	rBV	117793	99466	1.55%	0.174%
23	11.892	1665	1667	1672	rVV	210854	205892	3.22%	0.361%
24	11.939	1672	1675	1678	rVV2	64395	71944	1.12%	0.126%
25	11.980	1678	1682	1684	rVV2	208512	228665	3.57%	0.400%
26	11.998	1684	1685	1690	rVB	94030	73787	1.15%	0.129%
27	12.163	1710	1713	1715	rBV	77633	77940	1.22%	0.136%
28	12.180	1715	1716	1720	rVB2	90764	64704	1.01%	0.113%
29	12.345	1741	1744	1747	rBV2	66025	76280	1.19%	0.134%
30	12.416	1752	1756	1759	rBV	97719	100051	1.56%	0.175%
31	12.457	1759	1763	1765	rVV3	61349	80168	1.25%	0.140%
32	12.498	1768	1770	1775	rVB3	53460	64390	1.01%	0.113%
33	12.580	1780	1784	1786	rBV	1314294	1158765	18.11%	2.029%
34	12.604	1786	1788	1790	rVB	94503	64633	1.01%	0.113%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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	12.727	1807	1809	1816	rVB2	48736	69582	1.09%	0.122%
36	12.804	1816	1822	1825	rBV	1087555	1194782	18.68%	2.092%
37	12.963	1844	1849	1852	rVV	4936721	6397396	100.00%	11.204%
38	13.027	1855	1860	1863	rBV3	93201	138744	2.17%	0.243%
39	13.116	1871	1875	1876	rBV2	66720	80119	1.25%	0.140%
40	13.133	1876	1878	1881	rVB	196841	178073	2.78%	0.312%
41	13.204	1886	1890	1892	rVB	165564	143694	2.25%	0.252%
42	13.239	1892	1896	1899	rBV2	125852	137017	2.14%	0.240%
43	13.363	1914	1917	1921	rBV	65219	68513	1.07%	0.120%
44	13.533	1939	1946	1948	rBV5	67783	115003	1.80%	0.201%
45	13.639	1961	1964	1969	rVB	58603	89579	1.40%	0.157%
46	13.751	1979	1983	1986	rBV3	90958	116414	1.82%	0.204%
47	13.780	1986	1988	1990	rVV	93290	79098	1.24%	0.139%
48	13.804	1990	1992	1996	rVV2	74888	89489	1.40%	0.157%
49	13.851	1997	2000	2007	rVB2	876543	1001399	15.65%	1.754%
50	14.004	2021	2026	2029	rBV2	1755823	2019808	31.57%	3.537%
51	14.027	2029	2030	2036	rVB	540626	416633	6.51%	0.730%
52	14.110	2041	2044	2047	rVB2	97345	88041	1.38%	0.154%
53	14.180	2053	2056	2060	rVB3	71278	85967	1.34%	0.151%
54	14.386	2089	2091	2094	rVB	84766	77970	1.22%	0.137%
55	14.486	2105	2108	2111	rVV3	162094	194642	3.04%	0.341%
56	14.533	2114	2116	2120	rVB2	75705	85808	1.34%	0.150%
57	15.039	2198	2202	2205	rBV	368806	541813	8.47%	0.949%
58	15.145	2214	2220	2225	rVB3	102641	202612	3.17%	0.355%
59	15.339	2249	2253	2259	rVB	213828	259500	4.06%	0.454%
60	15.398	2259	2263	2268	rBV	306415	355303	5.55%	0.622%
61	15.463	2269	2274	2278	rBV	831702	1046113	16.35%	1.832%
62	15.945	2352	2356	2360	rBV2	65607	104607	1.64%	0.183%
63	15.992	2360	2364	2375	rVV3	94839	204761	3.20%	0.359%
64	16.457	2438	2443	2451	rBV7	24537	64767	1.01%	0.113%
65	16.904	2514	2519	2529	rVB2	142201	283593	4.43%	0.497%
66	17.339	2587	2593	2604	rVB	114651	237652	3.71%	0.416%

Sum of corrected areas: 57100718

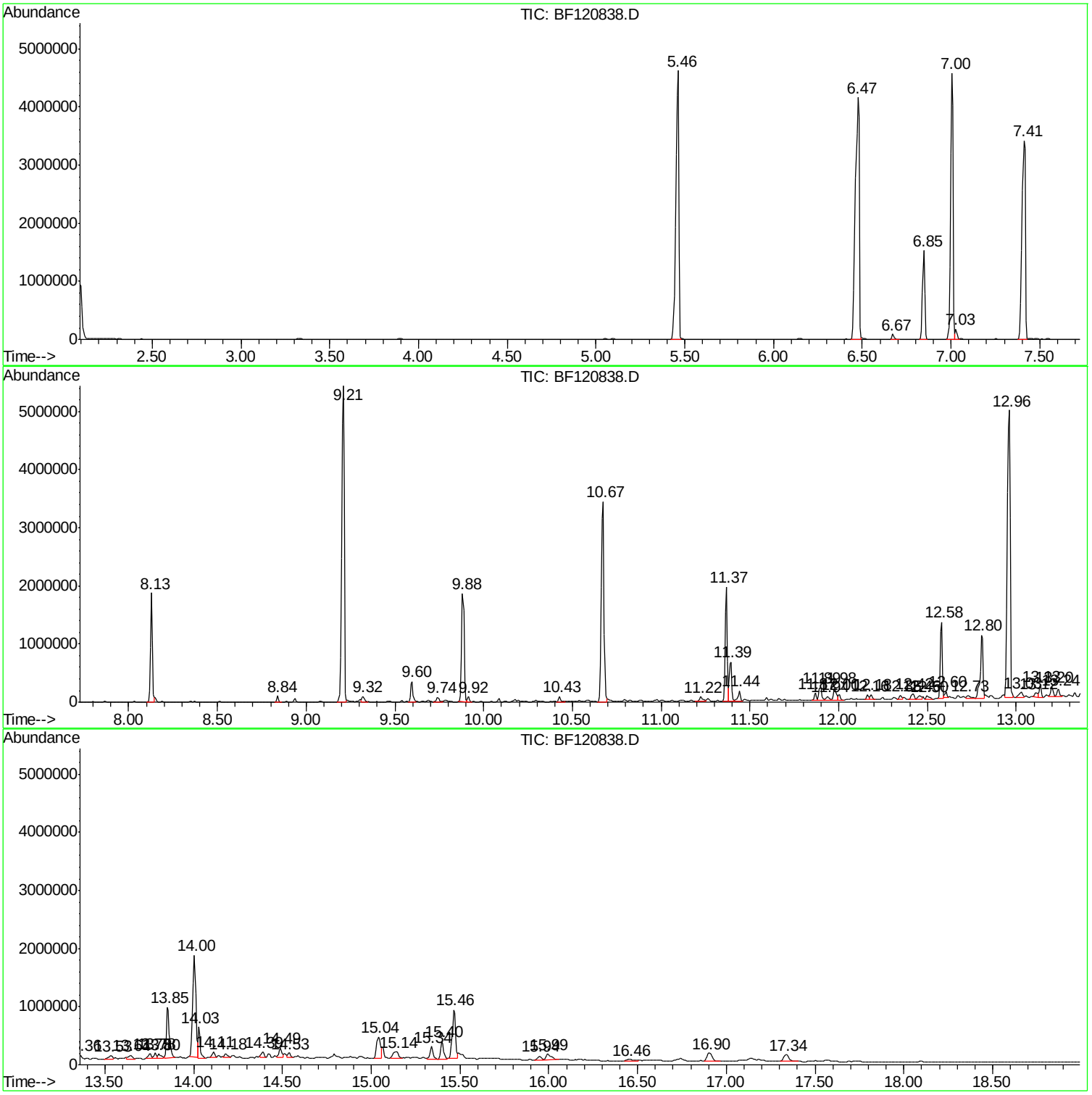
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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

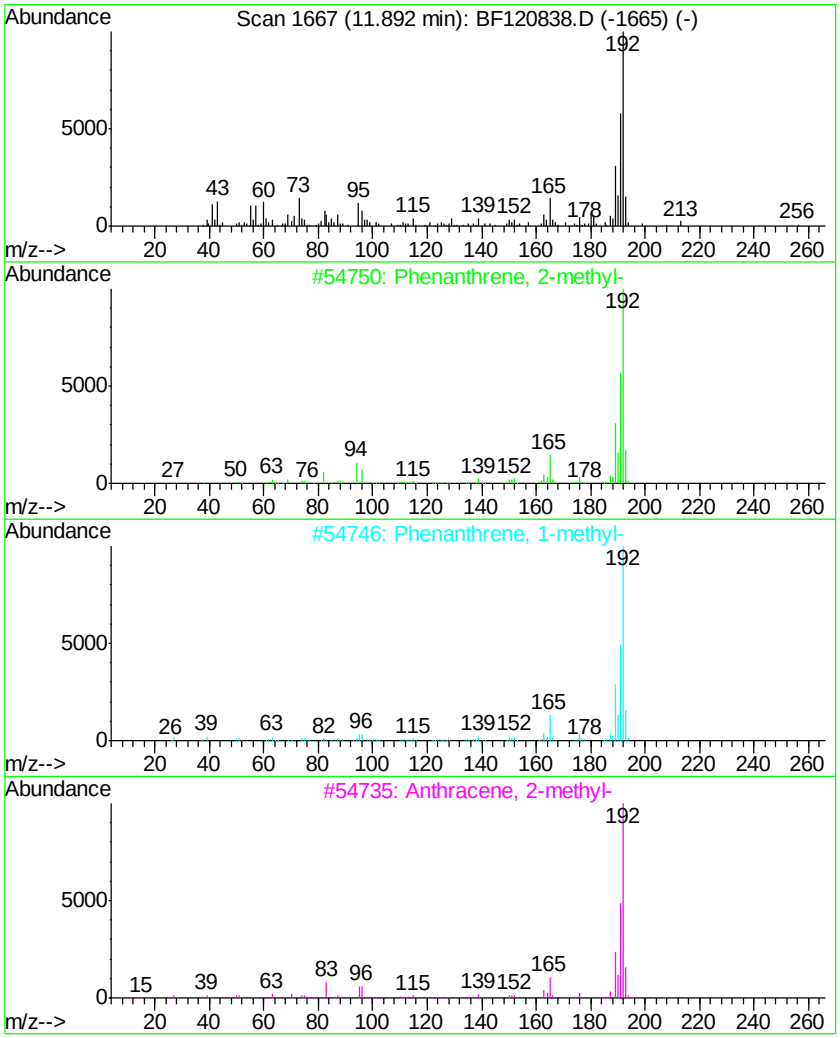
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

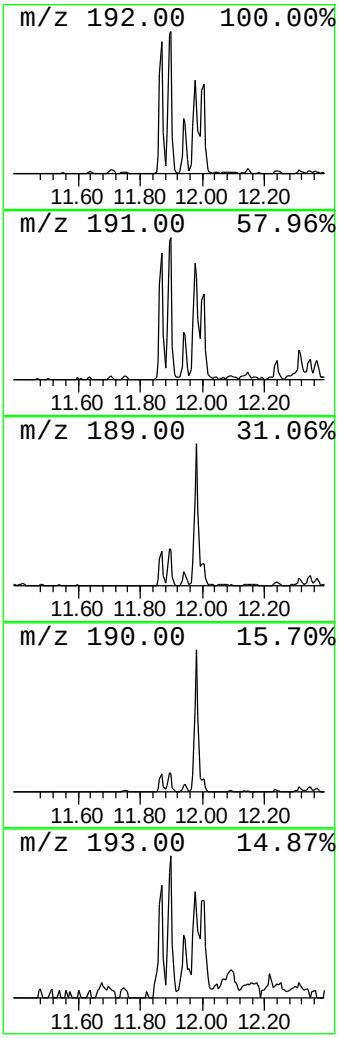
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.40 ng	205892	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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

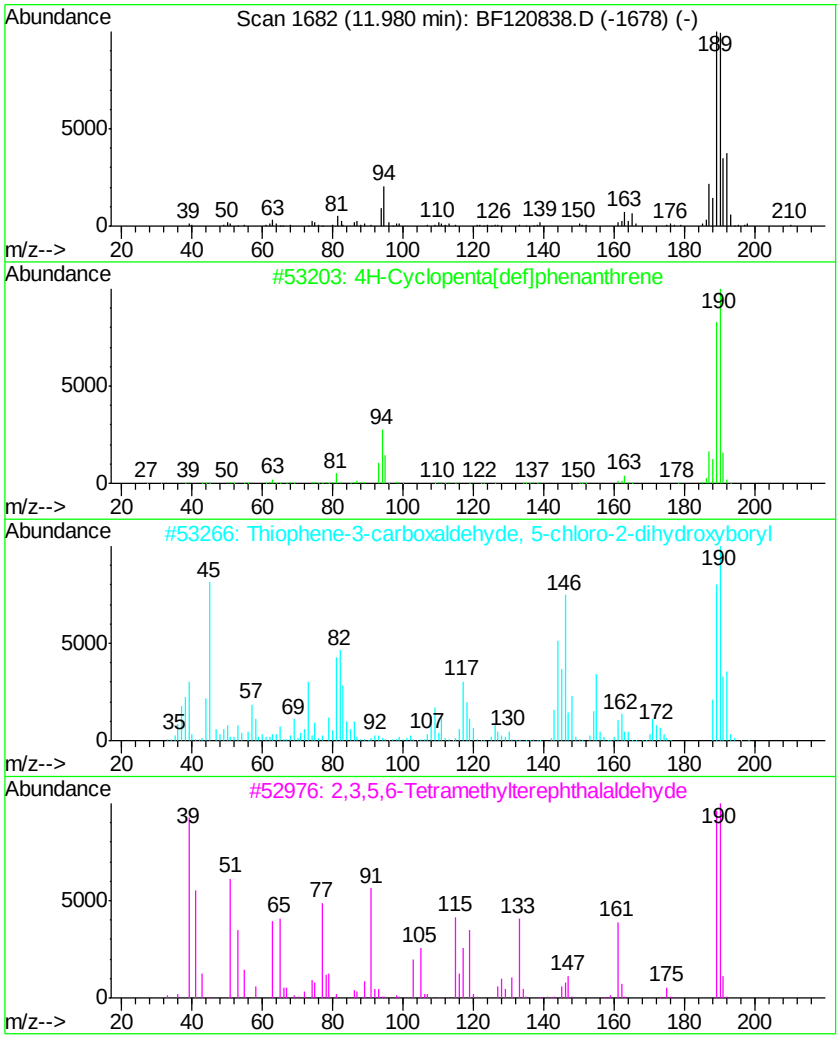
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

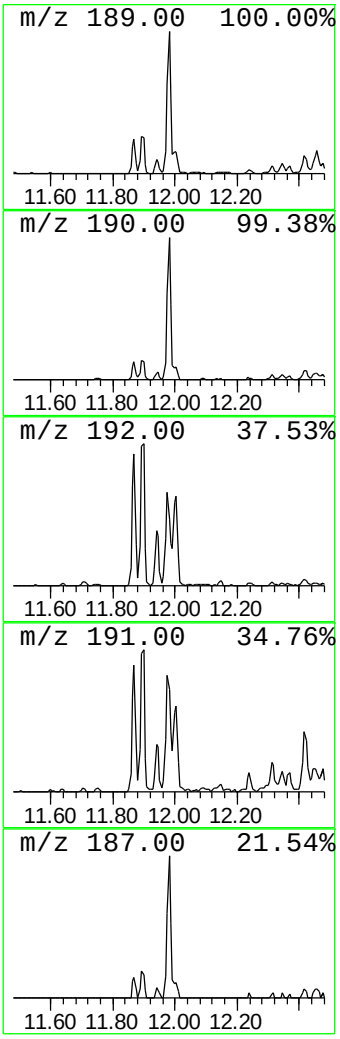
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.67 ng	228665	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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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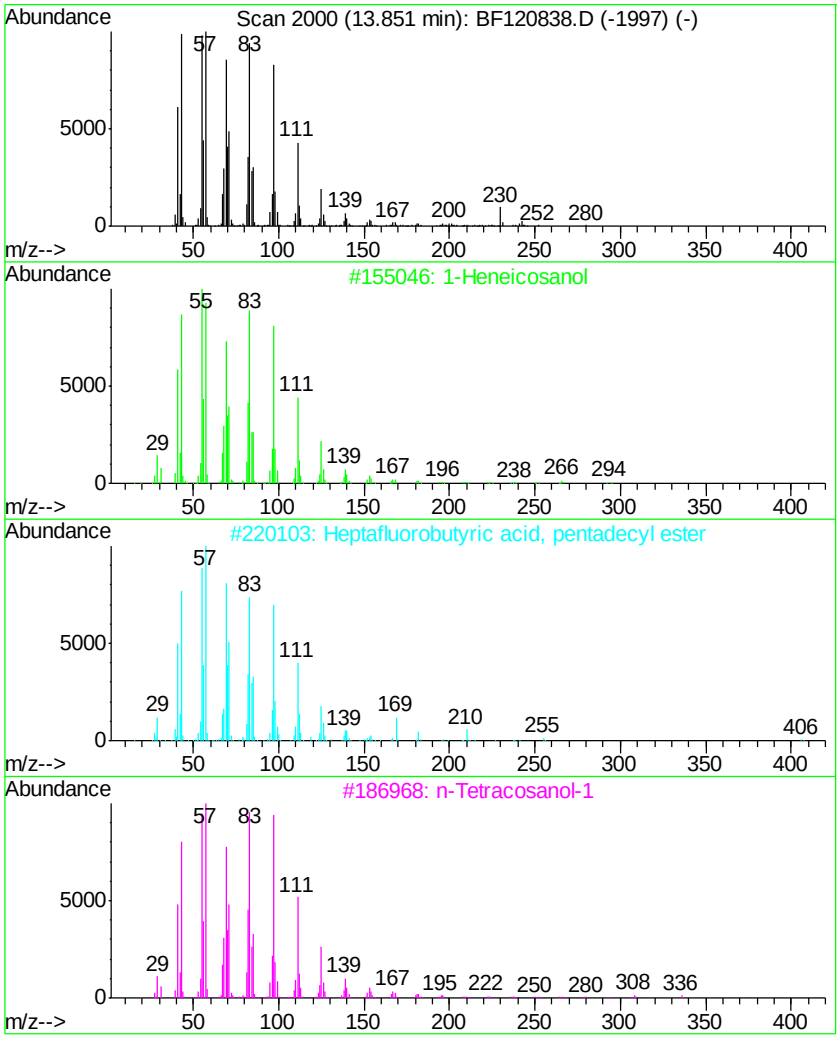
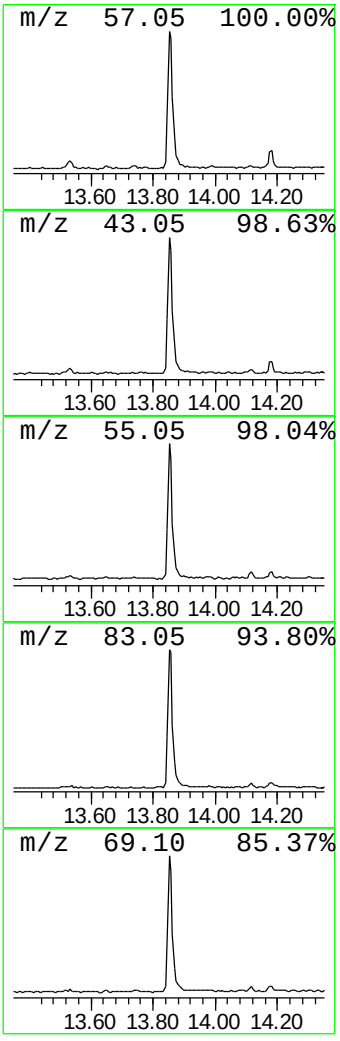
Peak Number 4 1-Heneicosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	9.92 ng	1001400	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	Behenic alcohol	326	C22H46O	000661-19-8	94
5	Cyclopentadecane	210	C15H30	000295-48-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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

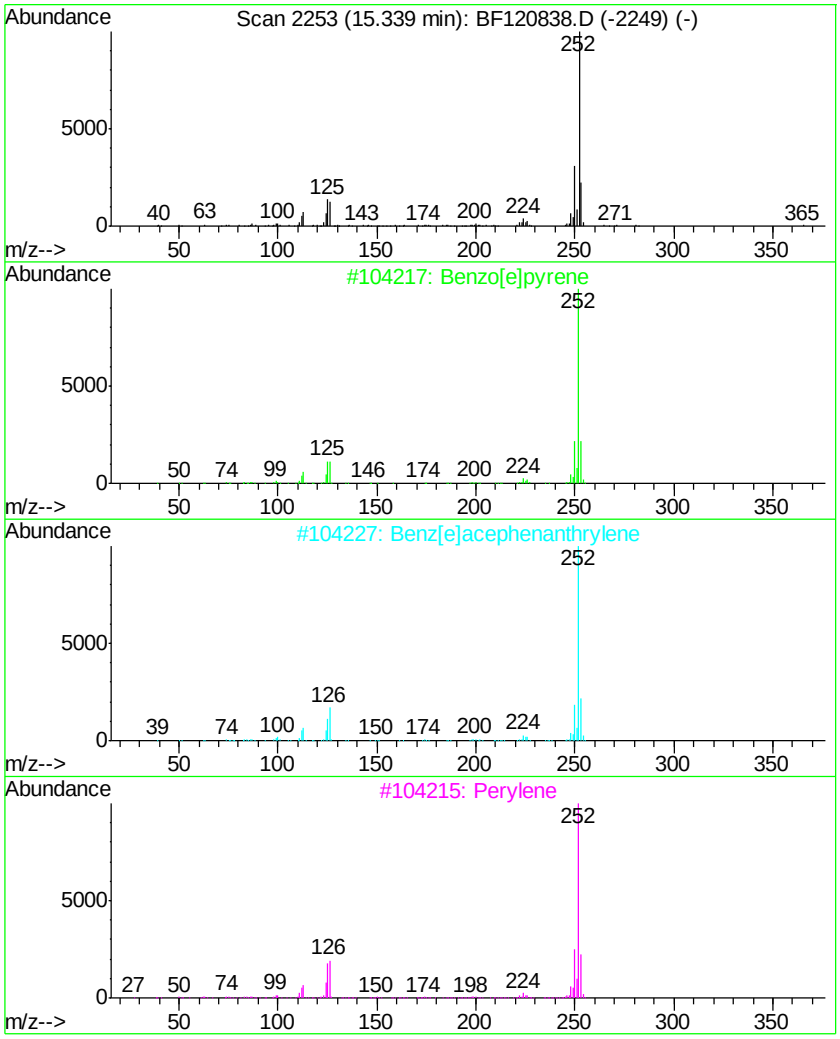
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

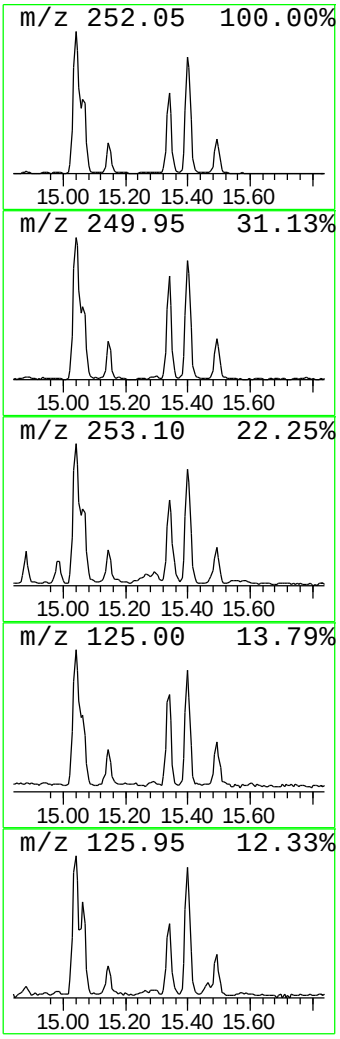
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	4.96 ng	259500	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	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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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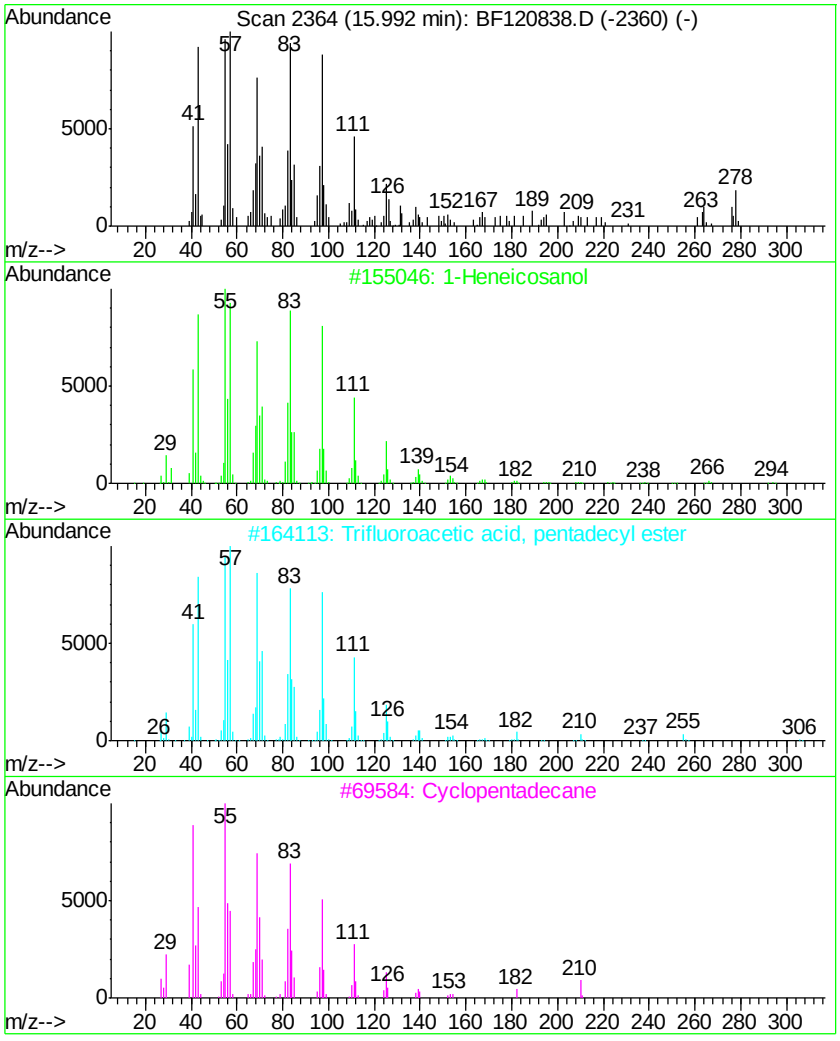
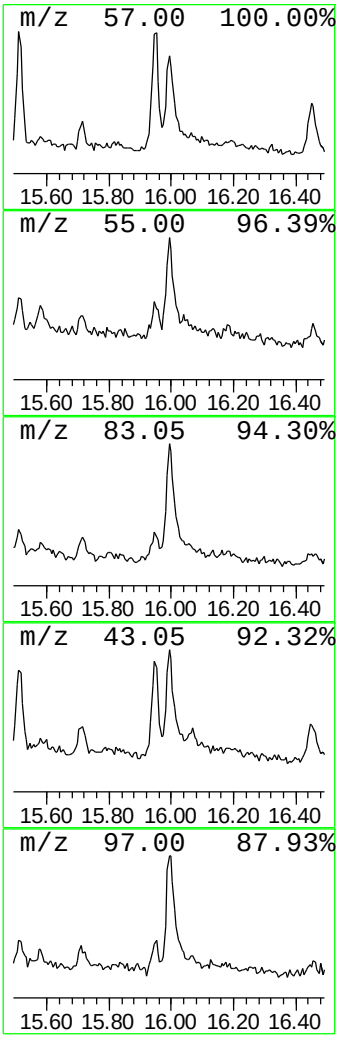
Peak Number 7 Trifluoroacetic acid, penta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.91 ng	204761	Perylene-d12	15.46

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	Cyclopentadecane	210	C15H30	000295-48-7	89
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	87
5	1-Heptacosanol	396	C27H56O	002004-39-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071020\
Data File : BF120838.D
Acq On : 10 Jul 2020 18:36
Operator : JU/CG
Sample : L3257-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH1

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
Phenanthrene, 2-m...	11.89	2.4	ng	205892	4	11.37	1714390	20.0
4H-Cyclopenta[def...	11.98	2.7	ng	228665	4	11.37	1714390	20.0
1-Heneicosanol	13.85	9.9	ng	1001400	5	14.00	2019810	20.0
Benzo[e]pyrene	15.34	5.0	ng	259500	6	15.46	1046110	20.0
Trifluoroacetic a...	15.99	3.9	ng	204761	6	15.46	1046110	20.0