LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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	5.057	497	505	510	rBV2	53123	74805	1.28%	0.128%
2	5.457	568	573	577	rBV	4435564	4769258	81.46%	8.164%
3	6.469	740	745	748	rBV	4816693	4734863	80.87%	8.105%
4	6.839	804	808	812	rBV	1757869	1416970	24.20%	2.426%
5	6.998	831	835	838	rBV	5050639	4259057	72.74%	7.291%
6	7.398	898	903	906	rBV	3446561	3222934	55.05%	5.517%
7	8.122	1022	1026	1029	rBV	2120795	1824410	31.16%	3.123%
8	8.833	1141	1147	1151	rVB	79870	68941	1.18%	0.118%
9	9.198	1205	1209	1212	rBV	6786059	5854862	100.00%	10.022%
10	9.286	1220	1224	1228	rBV2	47998	77380	1.32%	0.132%
11	9.586	1273	1275	1284	rVB	354766	307936	5.26%	0.527%
12	9.875	1319	1324	1328	rBV	2236996	2013300	34.39%	3.446%
13	9.910	1328	1330	1333	rVB	174691	134290	2.29%	0.230%
14	10.080	1356	1359	1362	rBV	127090	103486	1.77%	0.177%
15	10.422	1414	1417	1423	rBV	221865	194682	3.33%	0.333%
16	10.663	1454	1458	1462	rBV	4128432	3650703	62.35%	6.249%
17	10.786	1476	1479	1487	rVB4	64416	95158	1.63%	0.163%
18	11.233	1548	1555	1557	rBV4	49886	97992	1.67%	0.168%
19	11.257	1557	1559	1566	rVB	95024	100605	1.72%	0.172%
20	11.363	1573	1577	1579	rBV	2173583	1910970	32.64%	3.271%
21	11.386	1579	1581	1584	rVV	1504749	1164342	19.89%	1.993%
22	11.433	1584	1589	1592	rVB	460399	427141	7.30%	0.731%
23	11.586	1611	1615	1618	rBV	170426	163050	2.78%	0.279%
24	11.863	1659	1662	1664	rBV	183706	150350	2.57%	0.257%
25	11.892	1664	1667	1672	rVV	863386	809474	13.83%	1.386%
26	11.939	1672	1675	1678	rVV	100232	108612	1.86%	0.186%
27	11.974	1678	1681	1684	rVV	288162	336530	5.75%	0.576%
28	11.998	1684	1685	1690	rVB	138305	77960	1.33%	0.133%
29	12.063	1690	1696	1699	rBV3	63439	91374	1.56%	0.156%
30	12.157	1707	1712	1714	rBV2	152440	202394	3.46%	0.346%
31	12.416	1752	1756	1759	rBV	103103	112801	1.93%	0.193%
32	12.451	1759	1762	1767	rVV3	81813	122088	2.09%	0.209%
33	12.498	1767	1770	1774	rVB4	49272	72037	1.23%	0.123%
34	12.574	1779	1783	1786	rBV	1653000	1438703	24.57%	2.463%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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	12.674	1797	1800	1805	rBV3	160252	193270	3.30%	0.331%
36	12.804	1816	1822	1825	rBV	1343252	1438609	24.57%	2.463%
37	12.851	1828	1830	1836	rVB2	61689	74066	1.27%	0.127%
38	12.945	1842	1846	1850	rVB	5641865	5353191	91.43%	9.164%
39	13.021	1855	1859	1862	rBV2	80126	124893	2.13%	0.214%
40	13.133	1871	1878	1880	rBV	224348	267804	4.57%	0.458%
41	13.198	1886	1889	1892	rVB	197188	164363	2.81%	0.281%
42	13.233	1892	1895	1898	rBV2	127799	134585	2.30%	0.230%
43	13.298	1903	1906	1909	rBV2	87197	92428	1.58%	0.158%
44	13.357	1914	1916	1920	rVB	82697	69148	1.18%	0.118%
45	13.639	1962	1964	1968	rVB2	80939	84208	1.44%	0.144%
46	13.804	1990	1992	1995	rBV3	70329	92641	1.58%	0.159%
47	13.845	1995	1999	2007	rVV	976596	1038599	17.74%	1.778%
48	13.998	2020	2025	2028	rBV2	2255785	2685557	45.87%	4.597%
49	14.027	2028	2030	2036	rVB	585030	529285	9.04%	0.906%
50	14.104	2041	2043	2046	rBV	103127	87946	1.50%	0.151%
51	14.168	2052	2054	2059	rVB3	95963	137265	2.34%	0.235%
52	14.480	2104	2107	2110	rBV2	206370	213934	3.65%	0.366%
53	14.780	2156	2158	2161	rBV	134881	126127	2.15%	0.216%
54	14.857	2168	2171	2178	rBV	403360	417170	7.13%	0.714%
55	15.033	2198	2201	2205	rBV	479988	796574	13.61%	1.364%
56	15.115	2213	2215	2218	rBV	173283	180947	3.09%	0.310%
57	15.333	2249	2252	2259	rVB	324617	455479	7.78%	0.780%
58	15.398	2259	2263	2267	rBV	473905	577396	9.86%	0.988%
59	15.462	2269	2274	2277	rVV	1689443	2104381	35.94%	3.602%
60	15.492	2277	2279	2286	rVB3	317967	462361	7.90%	0.791%
61	16.909	2517	2520	2528	rVB2	177926	325511	5.56%	0.557%

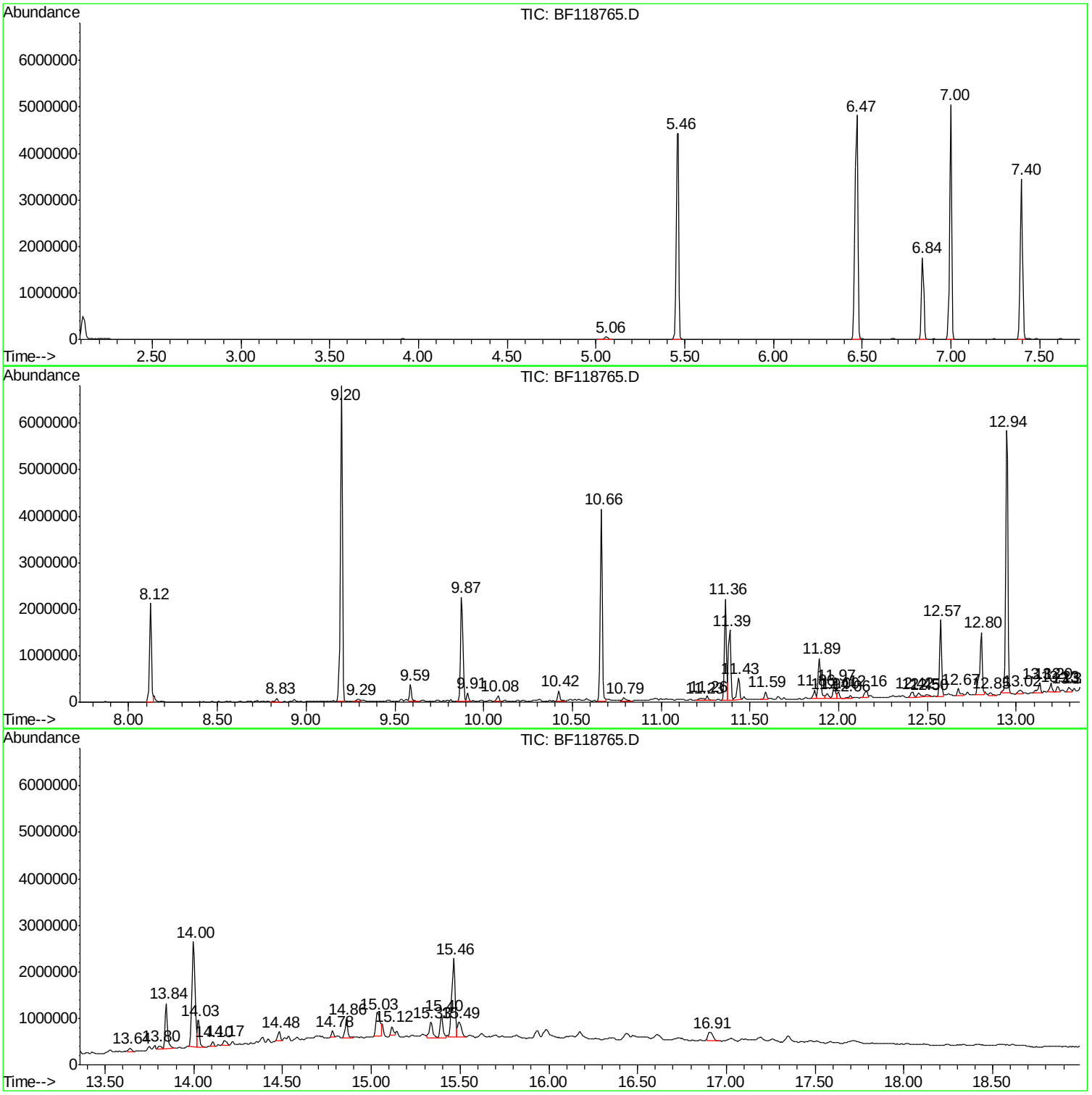
Sum of corrected areas: 58417196

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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

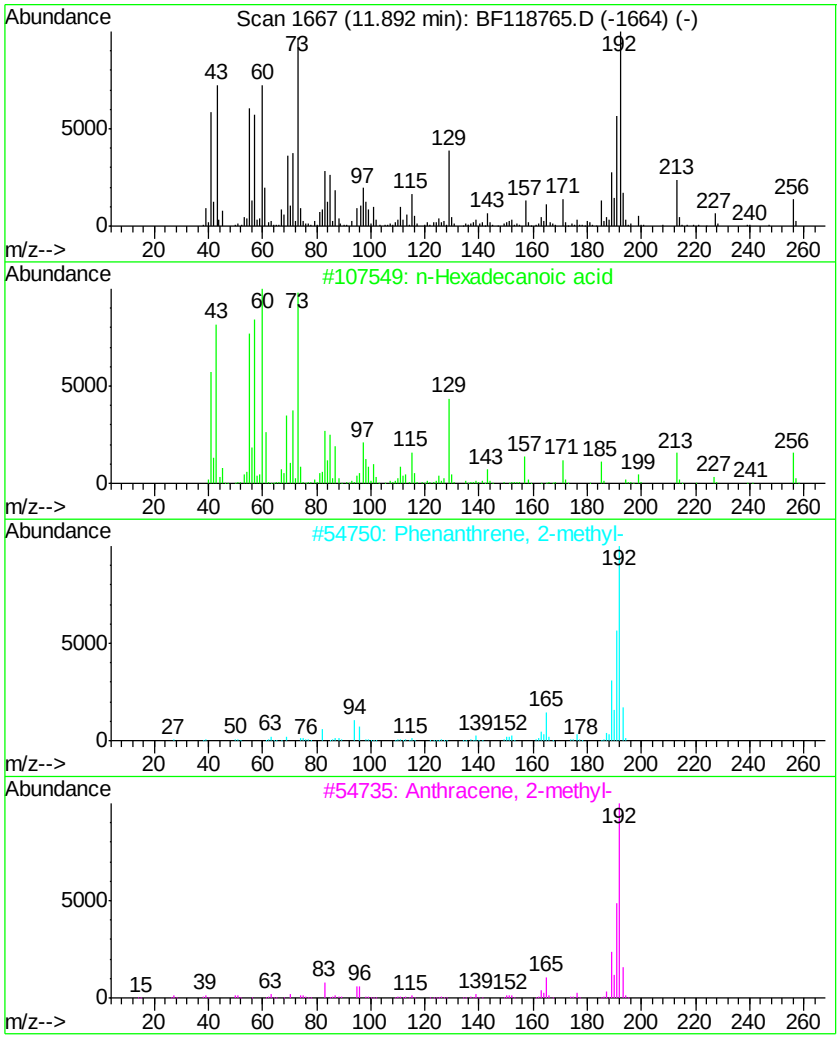
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

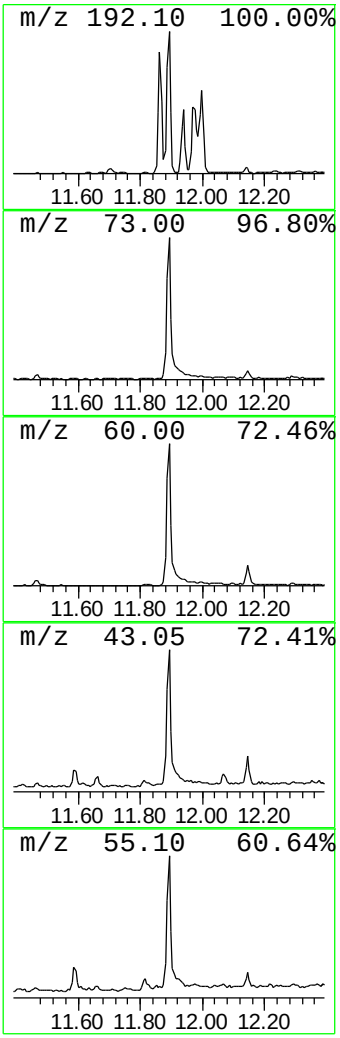
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	8.47 ng	809474	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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

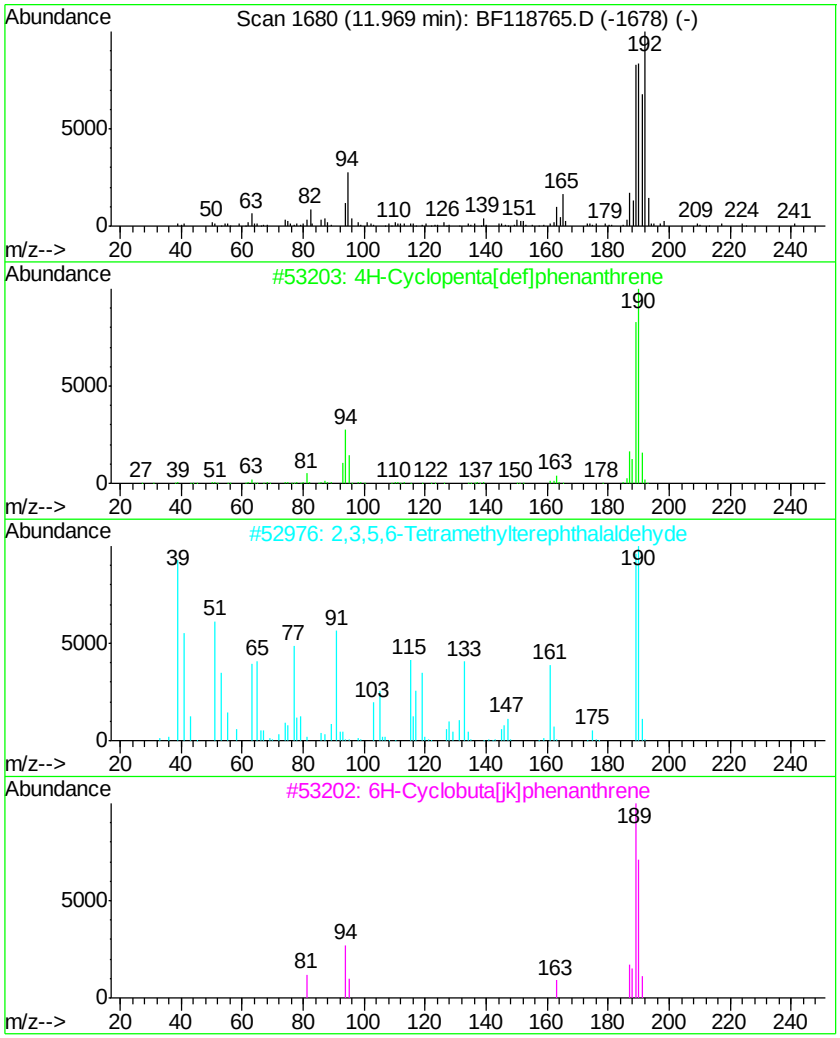
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

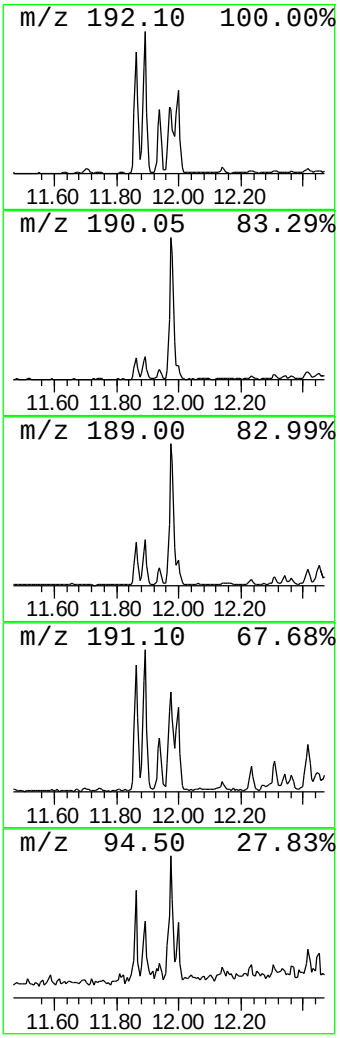
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.52 ng	336530	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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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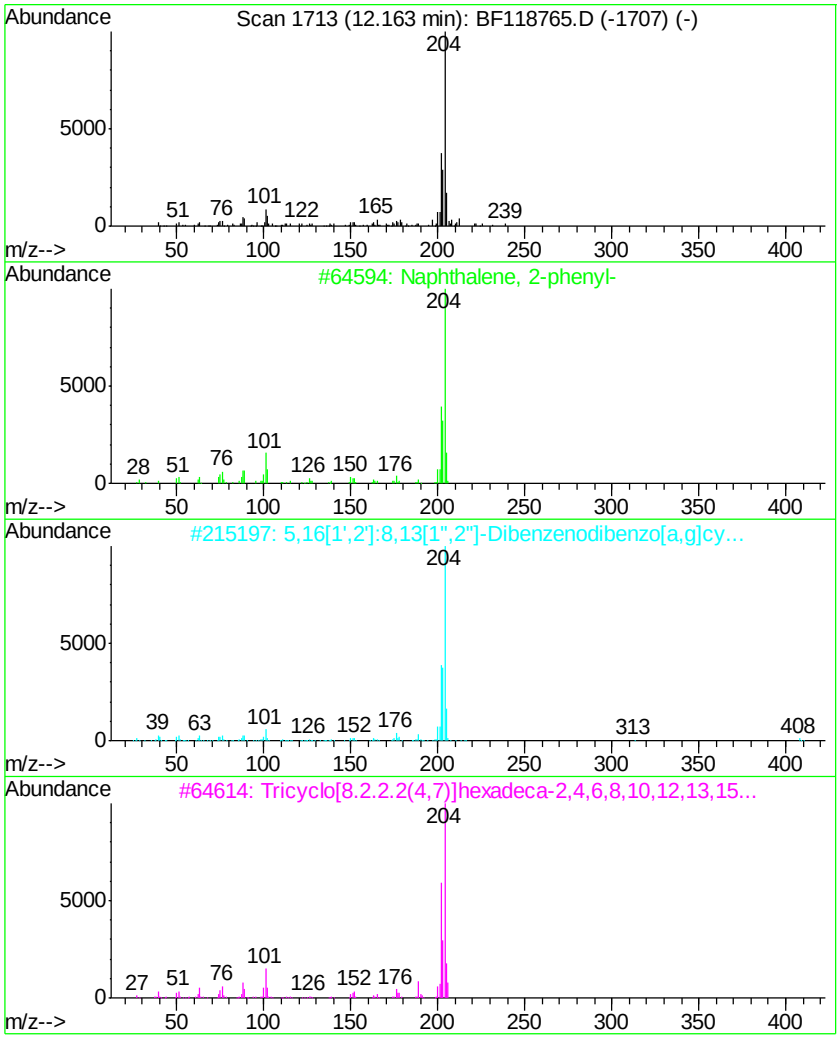
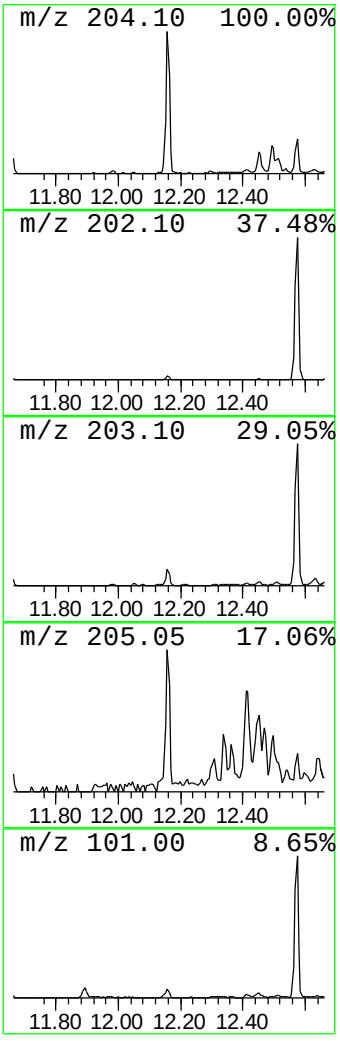
Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.12 ng	202394	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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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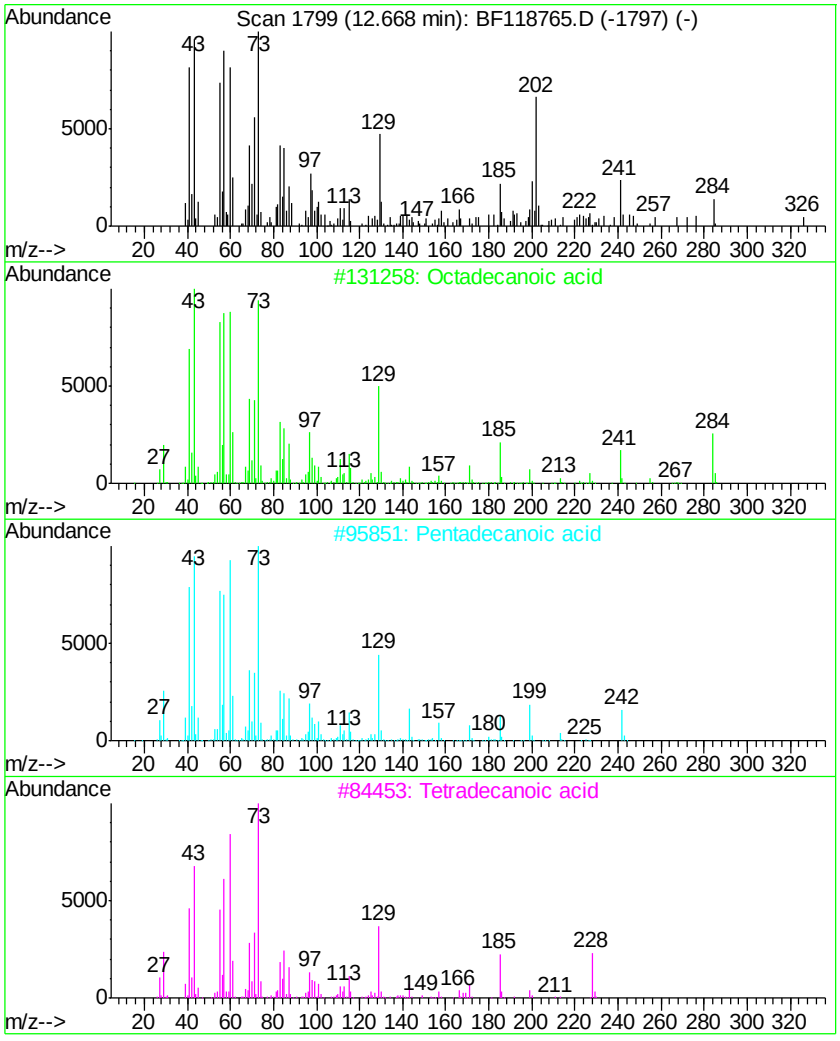
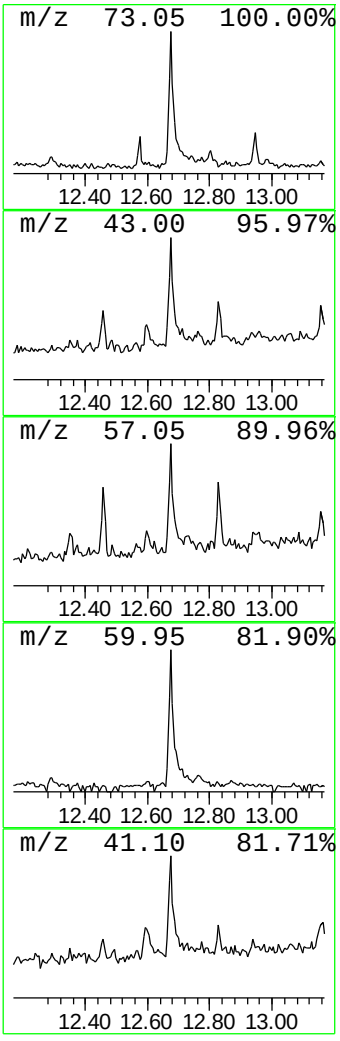
Peak Number 5 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.02 ng	193270	Phenanthrene-d10	11.36

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	60
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	Dodecanoic acid	200	C12H24O2	000143-07-7	55
5	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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

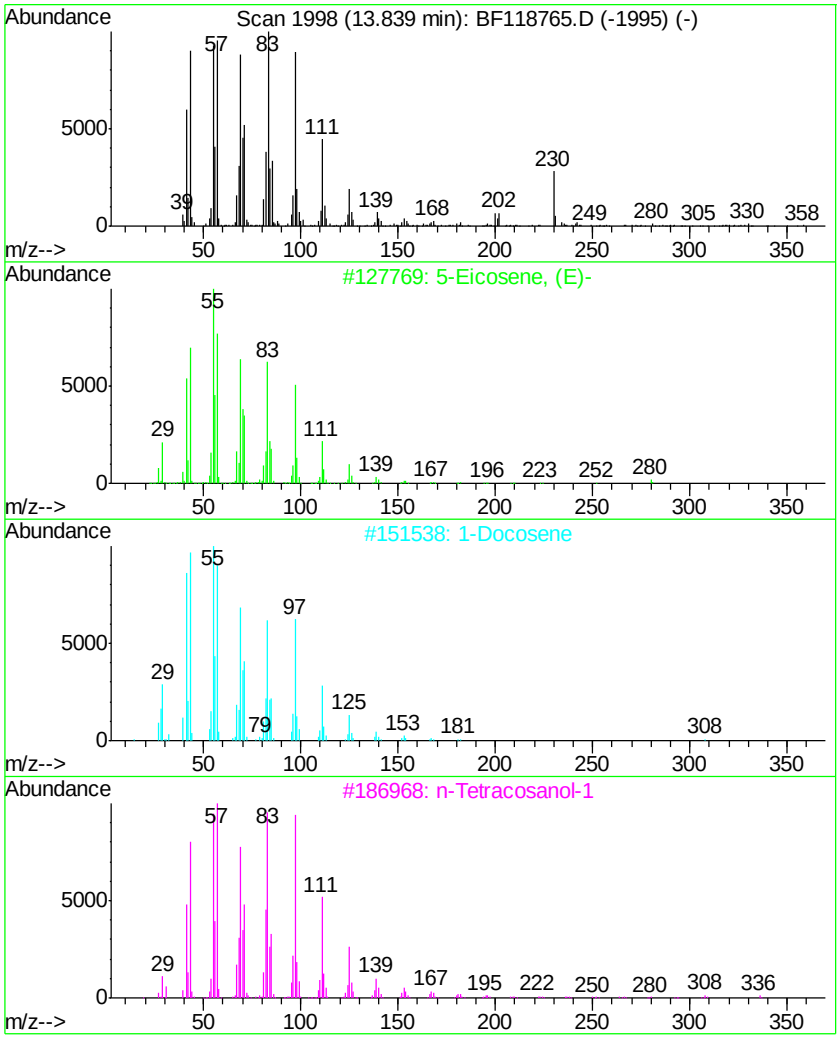
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

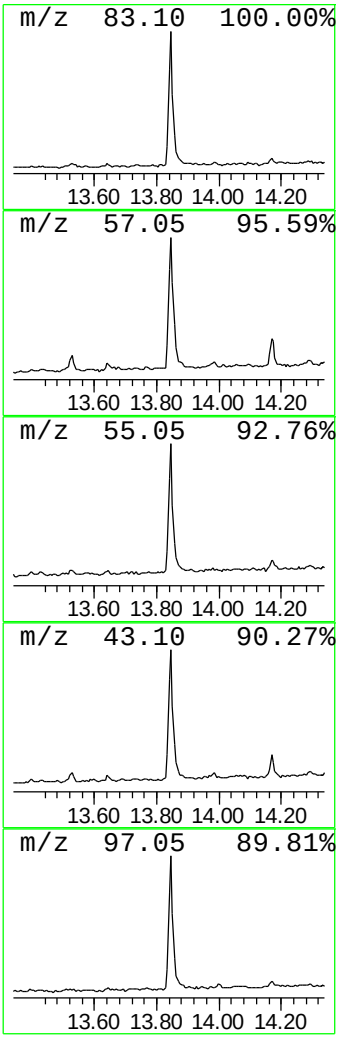
****

Peak Number 6 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	7.73 ng	1038600	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	1-Docosene	308	C22H44	001599-67-3	99
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	Behenic alcohol	326	C22H46O	000661-19-8	95
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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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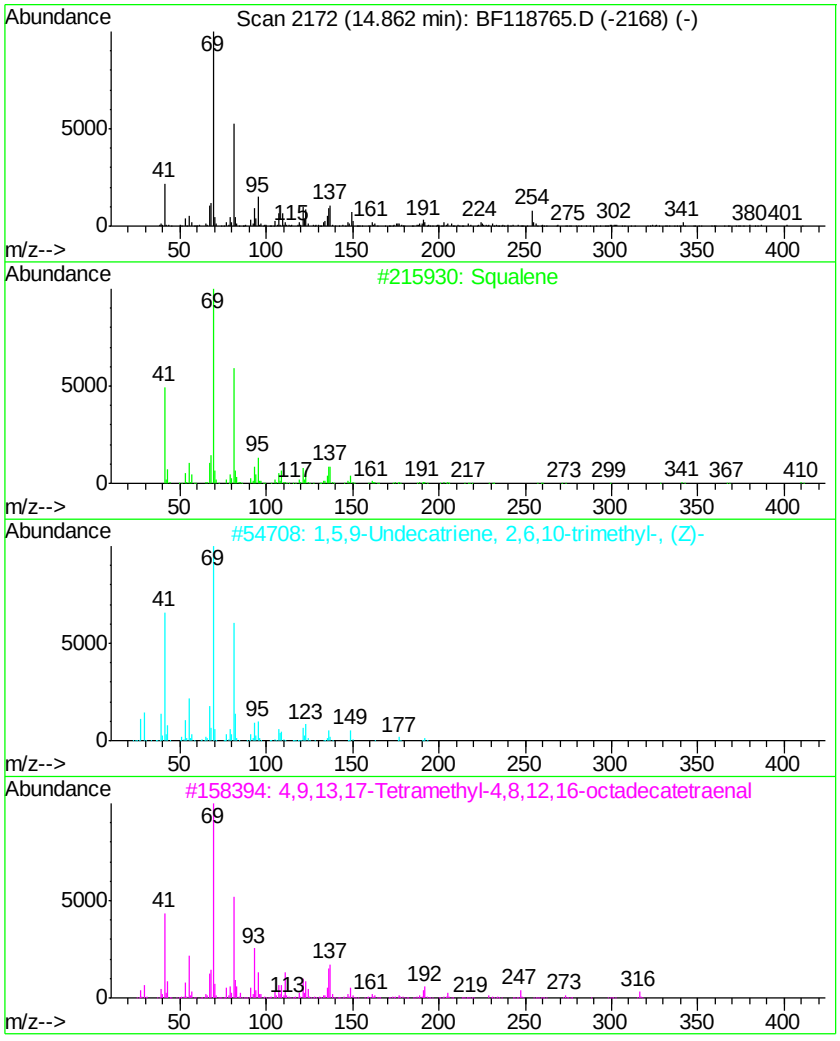
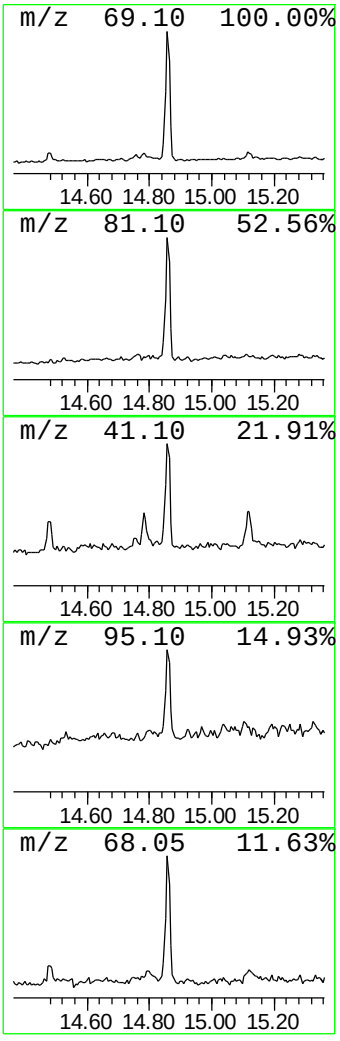
Peak Number 7 Squalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	3.96 ng	417170	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	87
2	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	74
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	72
4	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	64
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTY-SB-10102-0-80

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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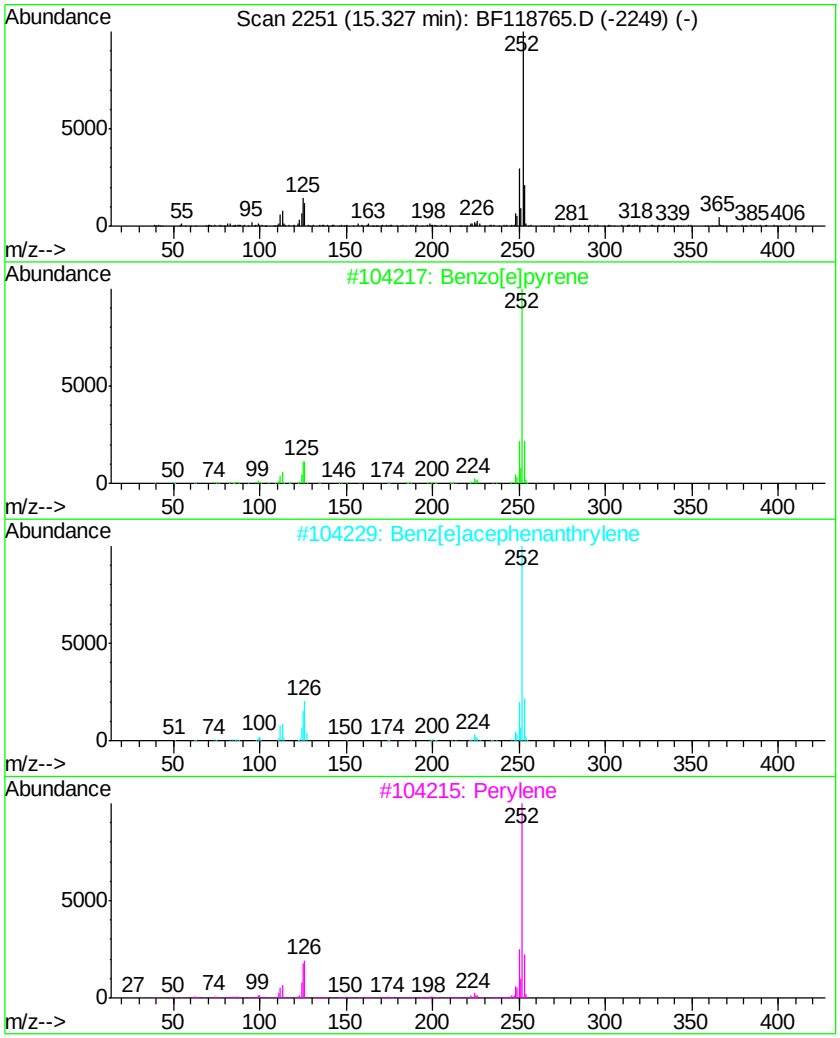
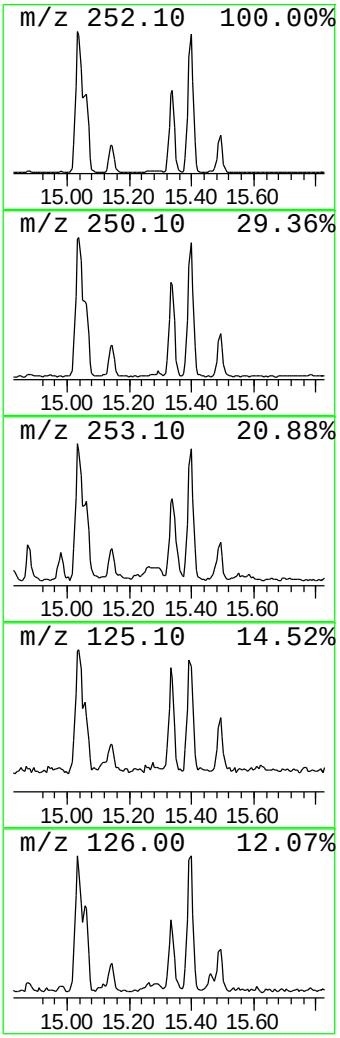
Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	4.33 ng	455479	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

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
n-Hexadecanoic acid	11.89	8.5	ng	809474	4	11.36	1910970	20.0
4H-Cyclopenta[def...	11.97	3.5	ng	336530	4	11.36	1910970	20.0
Naphthalene, 2-ph...	12.16	2.1	ng	202394	4	11.36	1910970	20.0
Octadecanoic acid	12.67	2.0	ng	193270	4	11.36	1910970	20.0
5-Eicosene, (E)-	13.84	7.7	ng	1038600	5	14.00	2685560	20.0
Squalene	14.86	4.0	ng	417170	6	15.46	2104380	20.0
Benzo[e]pyrene	15.33	4.3	ng	455479	6	15.46	2104380	20.0