LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF119008.D
Acq On : 21 Feb 2020 22:42
Operator : CG/JU
Sample : L1625-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-050-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-BF022020.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	4.969	487	490	498	rVB	32767	44913	1.49%	0.150%
2	5.381	556	560	581	rBV	2597080	2579101	85.28%	8.596%
3	6.398	728	733	752	rBV	2442457	2493643	82.46%	8.311%
4	6.751	790	793	803	rBV	979569	862995	28.54%	2.876%
5	6.910	816	820	824	rBV	2658034	2288567	75.68%	7.627%
6	7.316	884	889	892	rBV	1810716	1624863	53.73%	5.415%
7	8.033	1007	1011	1029	rBV	1231579	1059504	35.03%	3.531%
8	9.110	1190	1194	1197	rBV	3580158	2982980	98.64%	9.942%
9	9.504	1257	1261	1265	rVB	399023	332049	10.98%	1.107%
10	9.786	1305	1309	1312	rBV	1365198	1127305	37.28%	3.757%
11	9.816	1312	1314	1319	rVB	61781	55741	1.84%	0.186%
12	10.333	1399	1402	1407	rBV	64472	57489	1.90%	0.192%
13	10.574	1439	1443	1450	rBV	2136827	1905006	62.99%	6.349%
14	11.127	1532	1537	1541	rBV5	21313	39272	1.30%	0.131%
15	11.169	1541	1544	1550	rVB	37344	38484	1.27%	0.128%
16	11.269	1557	1561	1563	rBV	1282430	1112436	36.78%	3.708%
17	11.292	1563	1565	1569	rVV	784313	611303	20.21%	2.037%
18	11.345	1569	1574	1577	rVB	162199	157272	5.20%	0.524%
19	11.498	1595	1600	1603	rBV2	62327	65505	2.17%	0.218%
20	11.769	1643	1646	1649	rBV	71518	62323	2.06%	0.208%
21	11.798	1649	1651	1656	rVV	252630	279104	9.23%	0.930%
22	11.845	1657	1659	1662	rVV	48210	51064	1.69%	0.170%
23	11.880	1662	1665	1668	rVV	122300	140343	4.64%	0.468%
24	11.904	1668	1669	1674	rVB	53461	37005	1.22%	0.123%
25	12.063	1693	1696	1699	rBV	57089	48357	1.60%	0.161%
26	12.092	1699	1701	1704	rVB	38808	34821	1.15%	0.116%
27	12.321	1736	1740	1743	rBV	46994	55176	1.82%	0.184%
28	12.404	1751	1754	1759	rBV	36676	44816	1.48%	0.149%
29	12.480	1763	1767	1771	rBV	925836	792771	26.21%	2.642%
30	12.580	1780	1784	1789	rBV2	47882	81739	2.70%	0.272%
31	12.710	1800	1806	1809	rBV	721762	769648	25.45%	2.565%
32	12.851	1826	1830	1838	rVB	3273708	3024166	100.00%	10.079%
33	12.927	1838	1843	1846	rBV2	47049	81679	2.70%	0.272%
34	13.015	1855	1858	1859	rBV2	34574	36627	1.21%	0.122%

LSC Area Percent Report

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Sample : L1625-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-050-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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.039	1859	1862	1865	rVB	117628	114980	3.80%	0.383%
36	13.104	1868	1873	1875	rVB2	69087	87439	2.89%	0.291%
37	13.139	1875	1879	1887	rBV3	74483	120202	3.97%	0.401%
38	13.263	1897	1900	1904	rBV2	43734	54686	1.81%	0.182%
39	13.545	1946	1948	1952	rBV	52998	59202	1.96%	0.197%
40	13.657	1964	1967	1969	rBV2	48986	50613	1.67%	0.169%
41	13.680	1969	1971	1973	rVV	46329	35606	1.18%	0.119%
42	13.757	1981	1984	1993	rBV	325307	455713	15.07%	1.519%
43	13.904	2004	2009	2012	rBV2	1174424	1442396	47.70%	4.807%
44	13.933	2012	2014	2017	rVB	299695	240152	7.94%	0.800%
45	14.010	2025	2027	2030	rVB	64238	49180	1.63%	0.164%
46	14.927	2179	2183	2190	rBV	326009	566632	18.74%	1.888%
47	15.215	2230	2232	2238	rVB	162436	173209	5.73%	0.577%
48	15.274	2239	2242	2247	rVV	250683	331557	10.96%	1.105%
49	15.339	2248	2253	2262	rVB	669693	983125	32.51%	3.277%
50	15.998	2362	2365	2374	rVB3	136777	261773	8.66%	0.872%

Sum of corrected areas: 30004532

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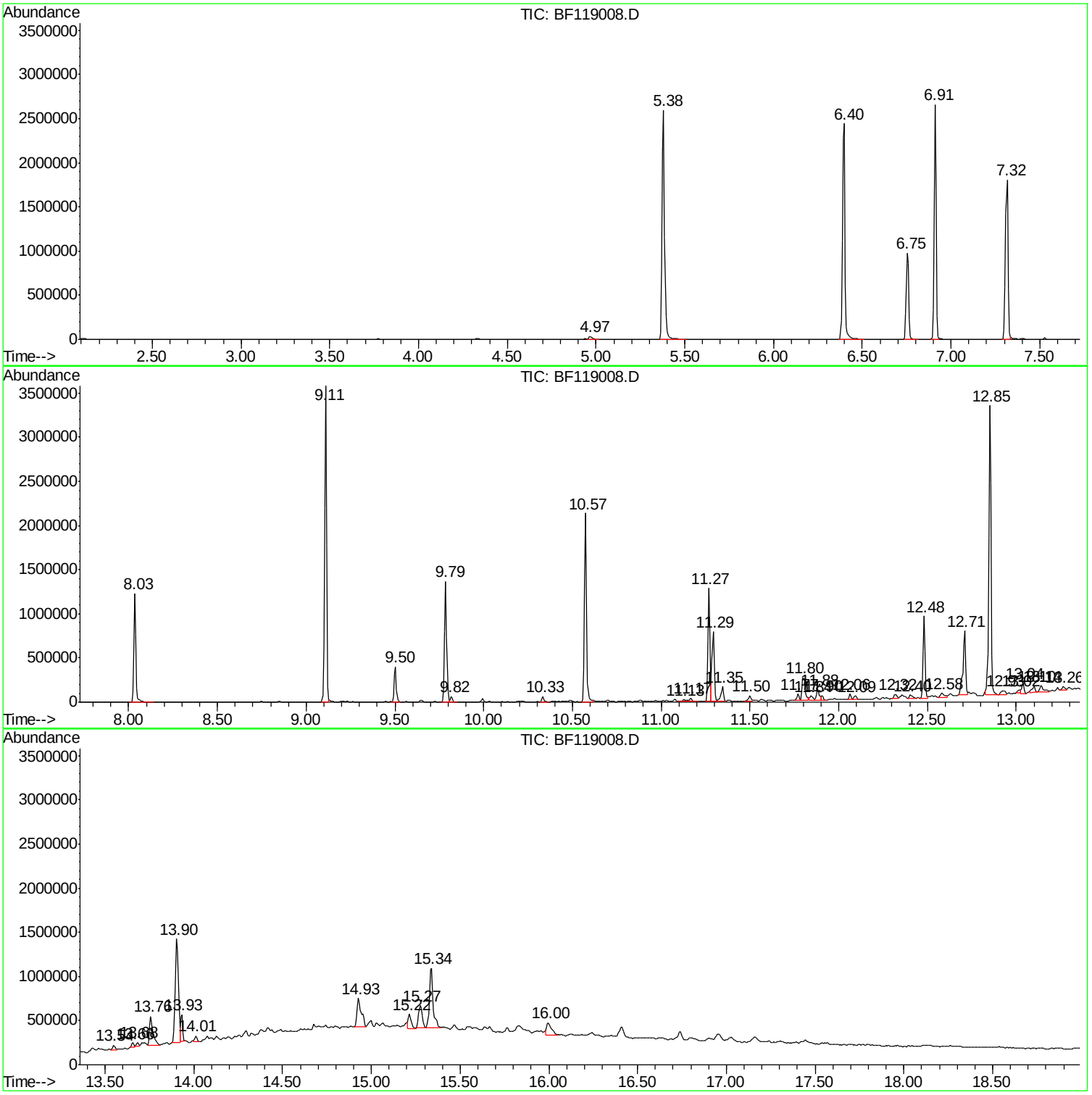
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-050-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022120\
Data File : BF119008.D
Acq On : 21 Feb 2020 22:42
Operator : CG/JU
Sample : L1625-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-050-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

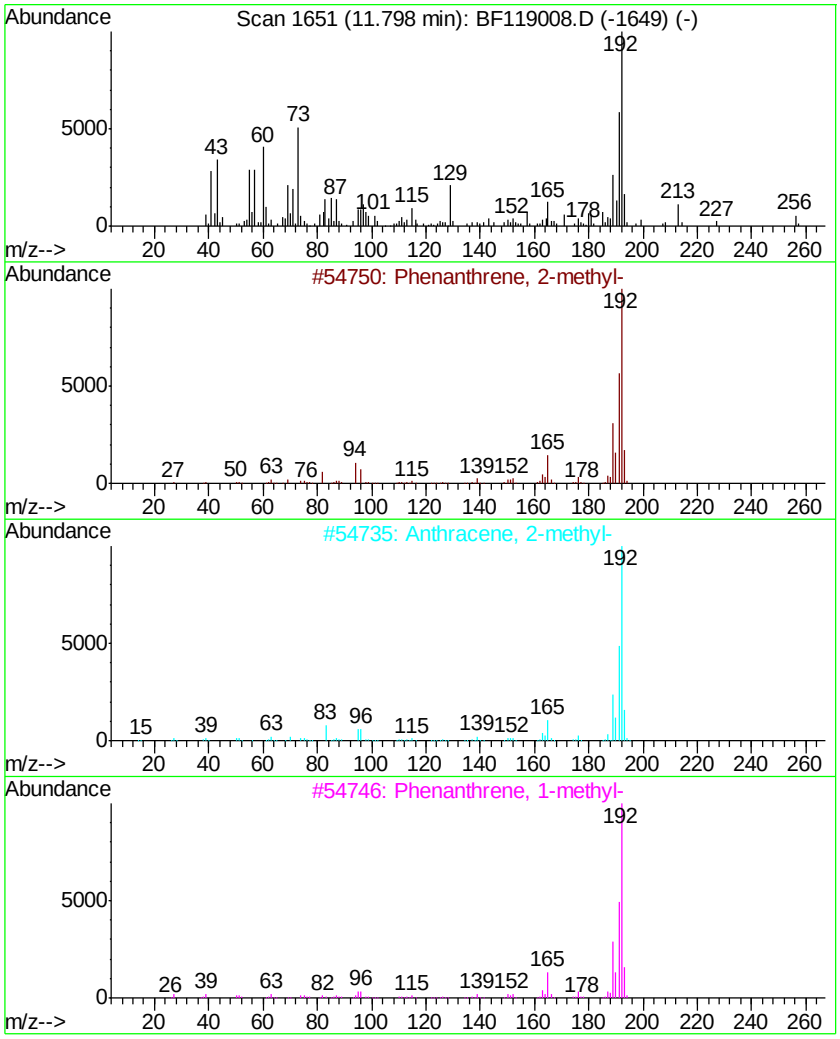
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

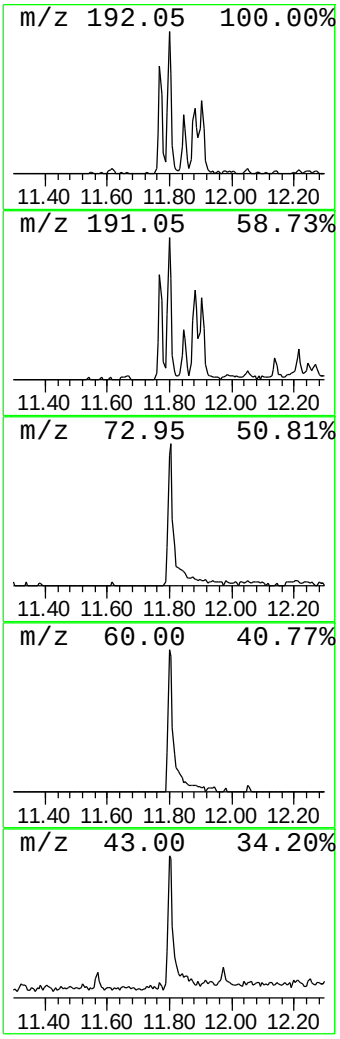
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	5.02 ng	279104	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-050-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

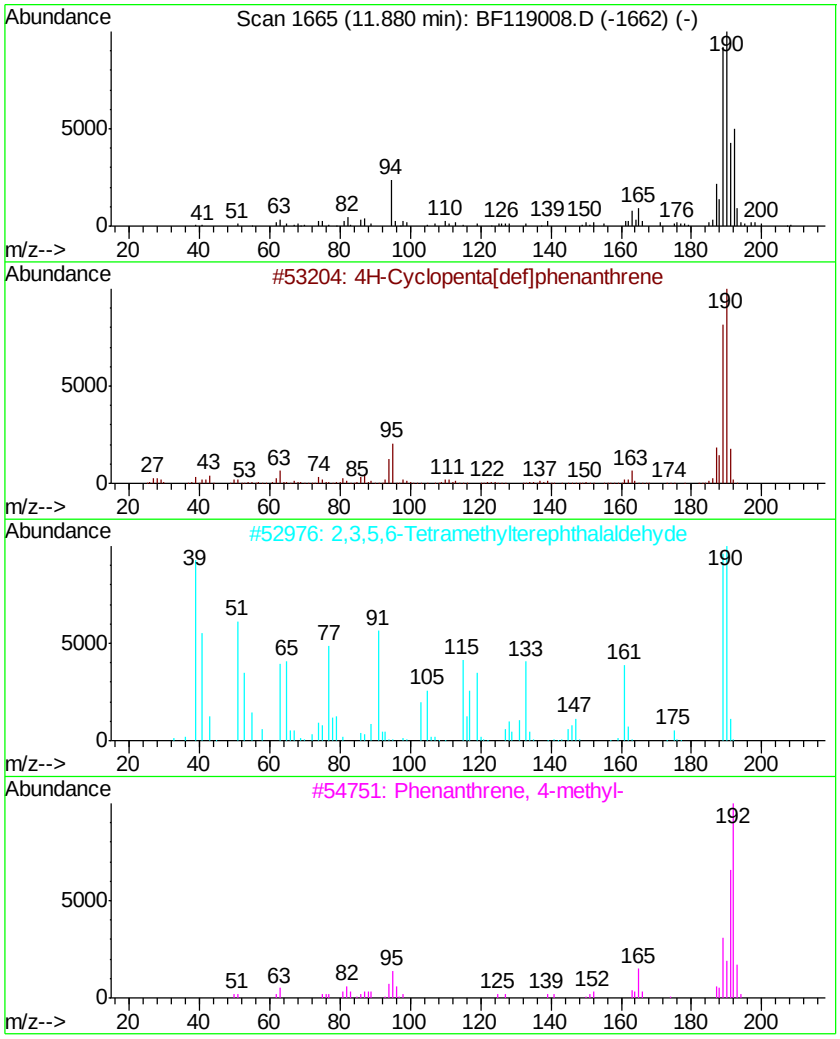
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

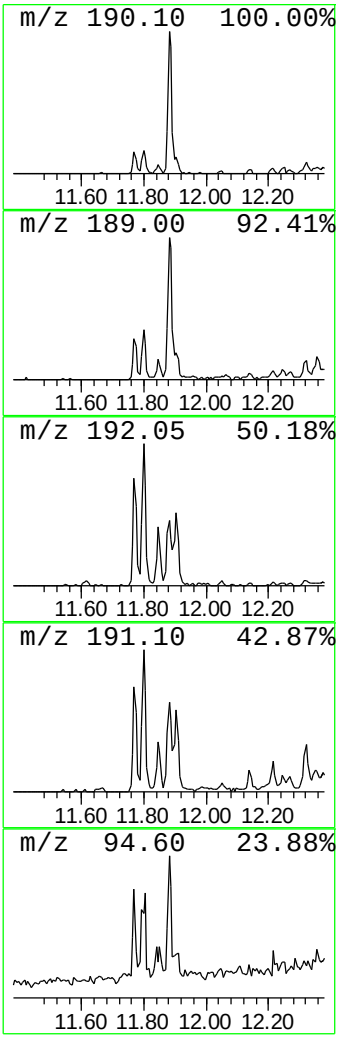
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.52 ng	140343	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
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Acq On : 21 Feb 2020 22:42
Operator : CG/JU
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Instrument : BNA_F
ClientSampleId : FK-GF-02-050-B

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TIC Library : C:\DATABASE\NIST11.L
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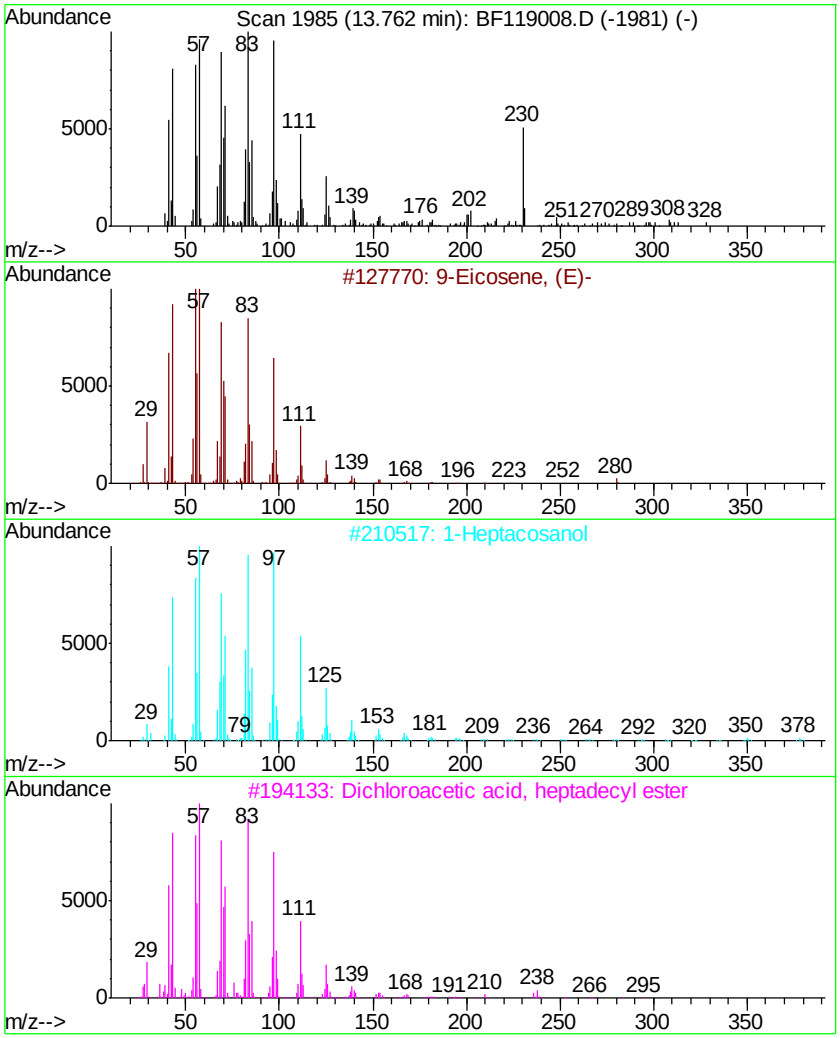
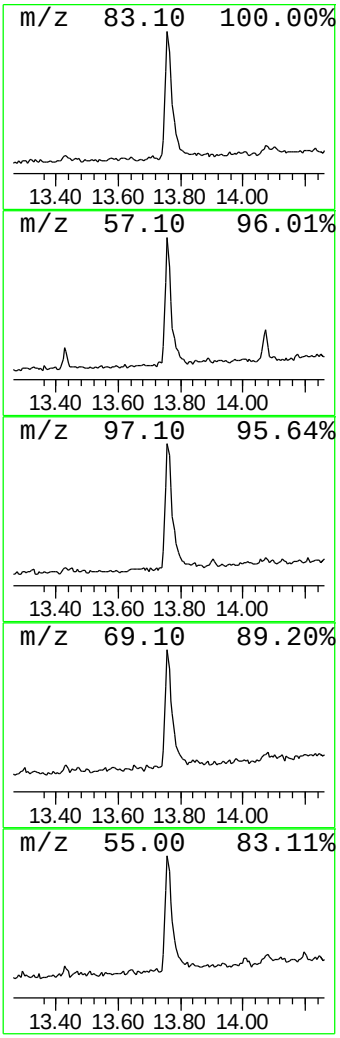
Peak Number 4 9-Eicosene, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.32 ng	455713	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	86
2	1-Heptacosanol	396	C27H56O	002004-39-9	81
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	81
4	1-Docosene	308	C22H44	001599-67-3	78
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	78





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Instrument : BNA_F
ClientSampleId : FK-GF-02-050-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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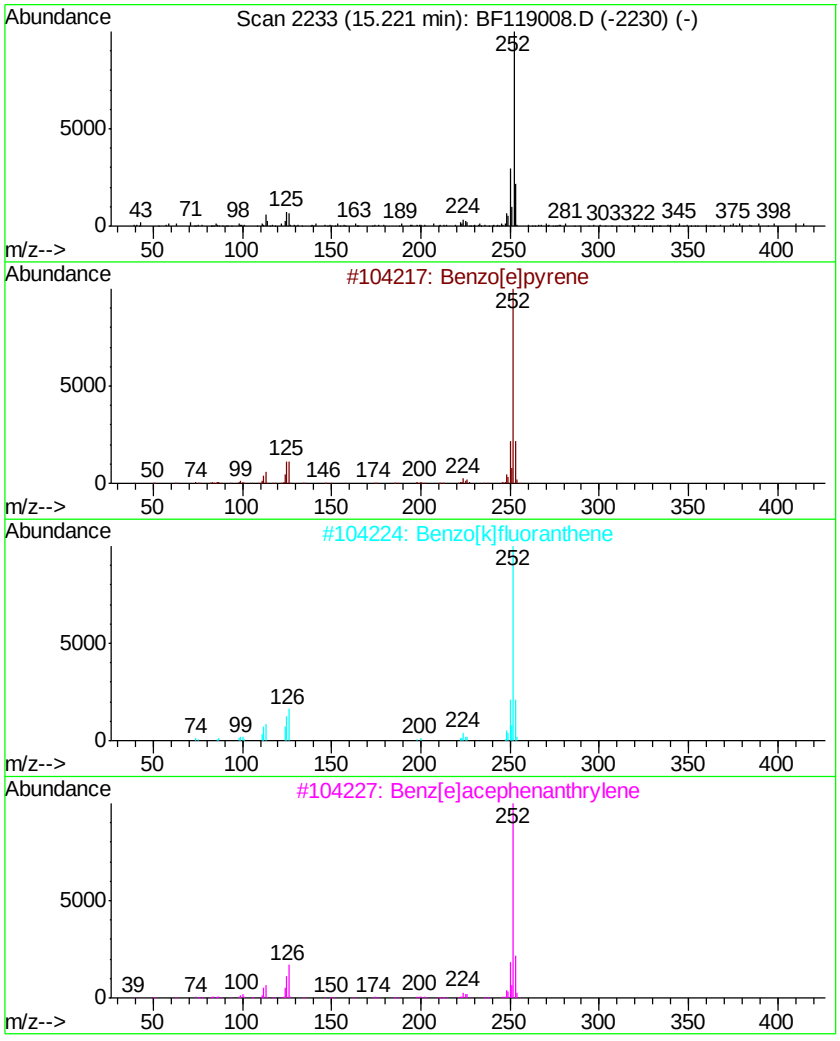
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

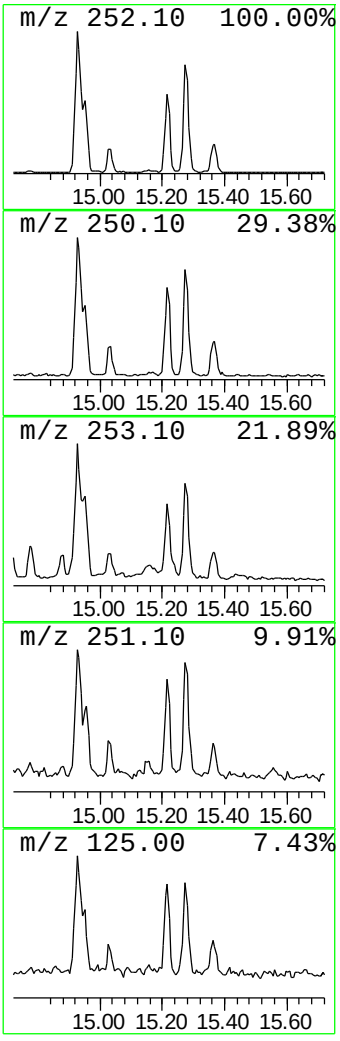
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	3.52 ng	173209	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

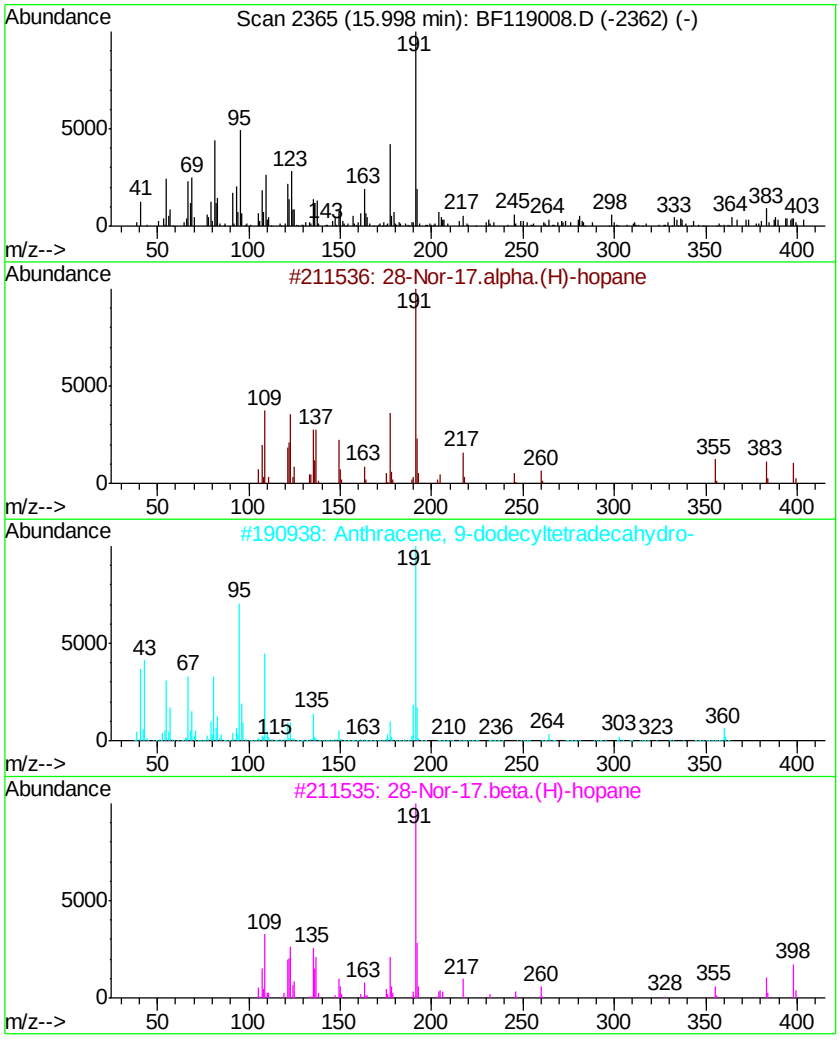
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

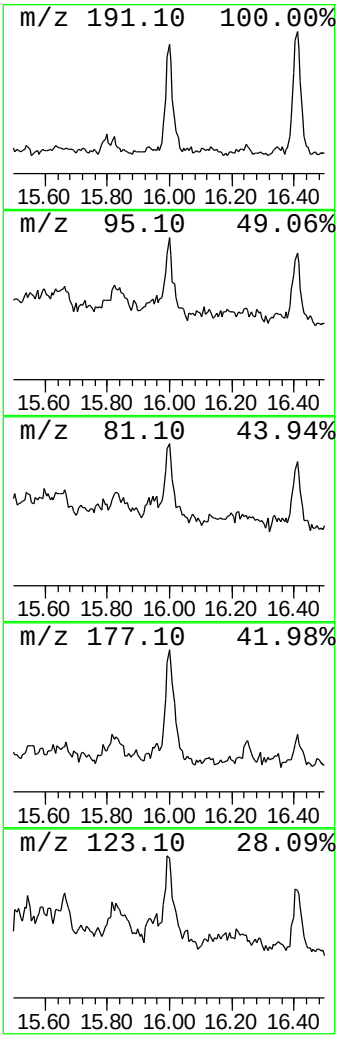
****

Peak Number 6 28-Nor-17.alpha.(H)-hopane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	5.33 ng	261773	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	47
3	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	38
4	9H-Fluorene-2-carbonitrile	191	C14H9N	002523-48-0	35
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	27





Tentatively Identified Compound (LSC) summary

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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...	11.80	5.0	ng	279104	4	11.27	1112440	20.0
4H-Cyclopenta[def...	11.88	2.5	ng	140343	4	11.27	1112440	20.0
9-Eicosene, (E)-	13.76	6.3	ng	455713	5	13.90	1442400	20.0
Benzo[e]pyrene	15.22	3.5	ng	173209	6	15.34	983125	20.0
28-Nor-17.alpha.(...	16.00	5.3	ng	261773	6	15.34	983125	20.0