LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
Data File : BF121017.D
Acq On : 24 Jul 2020 22:22
Operator : JU/CG
Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

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-BF071620.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	5.022	496	499	505	rVB	23392	27772	1.03%	0.109%
2	5.428	563	568	571	rBV	2354521	2257808	84.04%	8.902%
3	6.445	736	741	754	rBV	2196029	2198496	81.83%	8.668%
4	6.645	772	775	779	rBV2	26434	28621	1.07%	0.113%
5	6.816	800	804	807	rBV	978638	840804	31.30%	3.315%
6	7.375	894	899	902	rBV	1697738	1438380	53.54%	5.671%
7	8.098	1018	1022	1025	rBV	1114627	965675	35.94%	3.807%
8	8.139	1027	1029	1042	rVB	13600	32264	1.20%	0.127%
9	9.169	1200	1204	1216	rBV	2661773	2686657	100.00%	10.593%
10	9.563	1268	1271	1282	rBV	226033	214711	7.99%	0.847%
11	9.710	1293	1296	1300	rVB	32680	27134	1.01%	0.107%
12	9.851	1316	1320	1330	rBV	1026634	1026078	38.19%	4.046%
13	10.633	1449	1453	1467	rBV	1385644	1434466	53.39%	5.656%
14	10.757	1471	1474	1479	rVB4	55206	77418	2.88%	0.305%
15	11.333	1568	1572	1575	rBV	1092648	950998	35.40%	3.750%
16	11.404	1582	1584	1588	rVB	133234	118423	4.41%	0.467%
17	11.627	1620	1622	1626	rBV	45776	32798	1.22%	0.129%
18	11.833	1652	1657	1659	rBV	34937	35349	1.32%	0.139%
19	11.863	1659	1662	1666	rVB	60073	54608	2.03%	0.215%
20	11.910	1666	1670	1672	rBV	42646	43402	1.62%	0.171%
21	11.945	1672	1676	1679	rBV	117499	127178	4.73%	0.501%
22	12.033	1686	1691	1694	rBV2	29807	33100	1.23%	0.131%
23	12.127	1705	1707	1709	rBV	56440	46010	1.71%	0.181%
24	12.151	1709	1711	1715	rVB4	27195	27575	1.03%	0.109%
25	12.310	1735	1738	1740	rBV	31326	30900	1.15%	0.122%
26	12.380	1747	1750	1753	rBV	60389	63425	2.36%	0.250%
27	12.421	1754	1757	1762	rVB2	59022	64313	2.39%	0.254%
28	12.463	1762	1764	1771	rBV	110503	116456	4.33%	0.459%
29	12.545	1774	1778	1781	rBV	1157969	1022437	38.06%	4.031%
30	12.692	1796	1803	1807	rBV3	46013	84910	3.16%	0.335%
31	12.768	1810	1816	1819	rVV2	844972	975735	36.32%	3.847%
32	12.821	1823	1825	1830	rVB2	43195	52515	1.95%	0.207%
33	12.892	1833	1837	1838	rBV	64562	66951	2.49%	0.264%
34	12.916	1838	1841	1849	rVV	2631378	2448803	91.15%	9.655%

LSC Area Percent Report

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Acq On : 24 Jul 2020 22:22
Operator : JU/CG
Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.992	1849	1854	1857	rVV2	70810	108262	4.03%	0.427%
36	13.074	1865	1868	1869	rBV2	56749	48936	1.82%	0.193%
37	13.098	1869	1872	1875	rVB	190502	179006	6.66%	0.706%
38	13.163	1875	1883	1886	rBV	162654	195775	7.29%	0.772%
39	13.198	1886	1889	1892	rVV2	99069	113914	4.24%	0.449%
40	13.227	1892	1894	1897	rVB	36064	31729	1.18%	0.125%
41	13.292	1902	1905	1908	rVB	51412	46410	1.73%	0.183%
42	13.321	1908	1910	1915	rBV2	54242	72176	2.69%	0.285%
43	13.404	1920	1924	1929	rVB7	20155	36101	1.34%	0.142%
44	13.498	1933	1940	1942	rBV5	47840	90589	3.37%	0.357%
45	13.604	1956	1958	1962	rVB	56134	61972	2.31%	0.244%
46	13.715	1972	1977	1980	rBV3	79169	111399	4.15%	0.439%
47	13.745	1980	1982	1984	rVV	77013	69613	2.59%	0.274%
48	13.768	1984	1986	1991	rVV2	71071	95244	3.55%	0.376%
49	13.821	1991	1995	2004	rVV3	217760	389160	14.48%	1.534%
50	13.968	2012	2020	2022	rBV2	1171444	1472973	54.83%	5.808%
51	13.992	2022	2024	2027	rVB	317934	257804	9.60%	1.016%
52	14.074	2035	2038	2044	rVB	92636	96234	3.58%	0.379%
53	14.180	2054	2056	2061	rVB2	34718	41977	1.56%	0.166%
54	14.351	2083	2085	2088	rVB	55839	53412	1.99%	0.211%
55	14.386	2089	2091	2094	rVB	43221	40026	1.49%	0.158%
56	14.445	2098	2101	2102	rBV2	37105	34885	1.30%	0.138%
57	14.739	2149	2151	2154	rBV3	35060	31979	1.19%	0.126%
58	14.992	2190	2194	2205	rBV	268606	545299	20.30%	2.150%
59	15.292	2241	2245	2251	rVB	139975	177878	6.62%	0.701%
60	15.351	2251	2255	2261	rBV	163131	215852	8.03%	0.851%
61	15.415	2261	2266	2270	rBV	861700	1092248	40.65%	4.306%

Sum of corrected areas: 25363023

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
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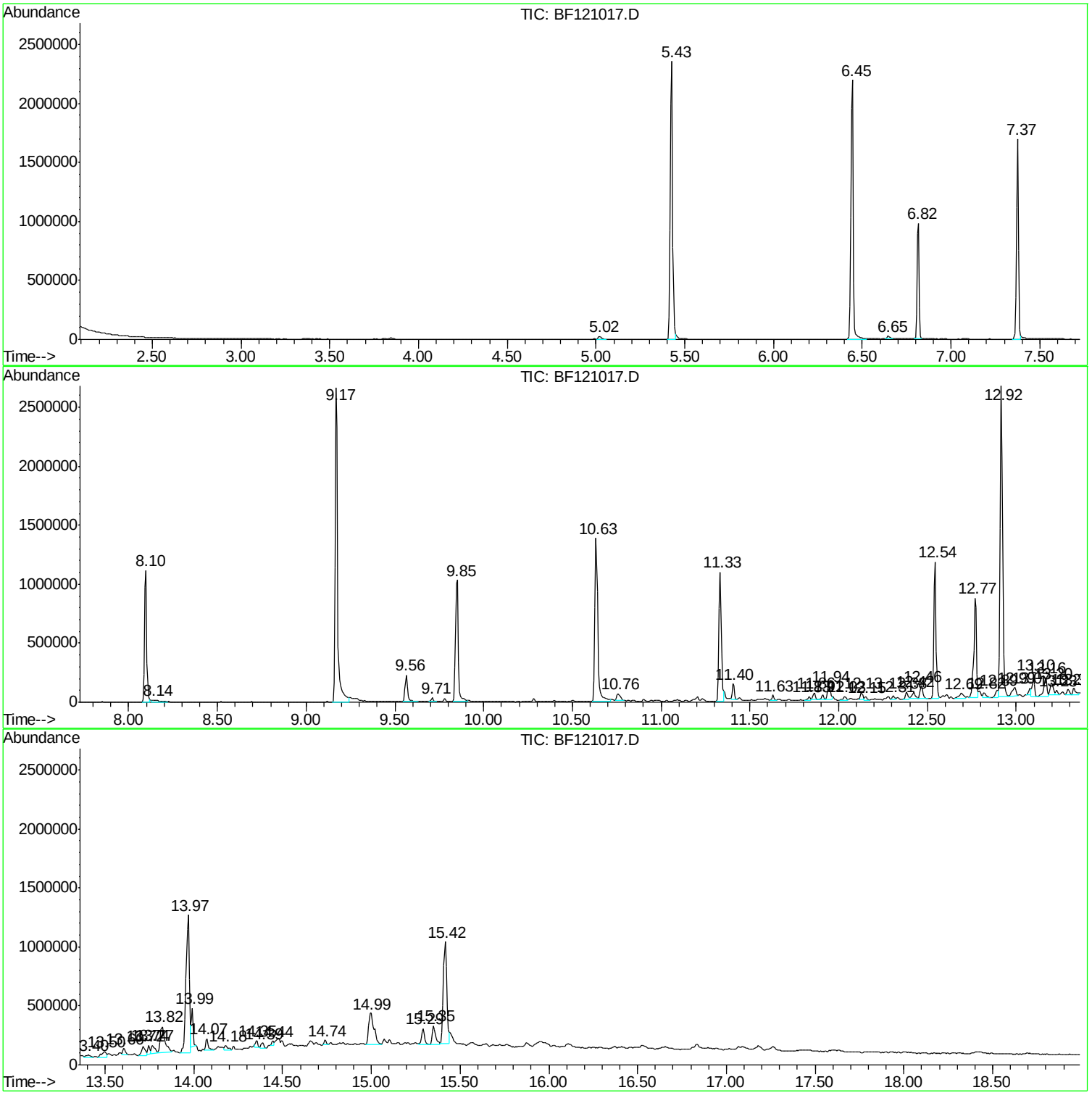
Operator : JU/CG
Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072420\
Data File : BF121017.D
Acq On : 24 Jul 2020 22:22
Operator : JU/CG
Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

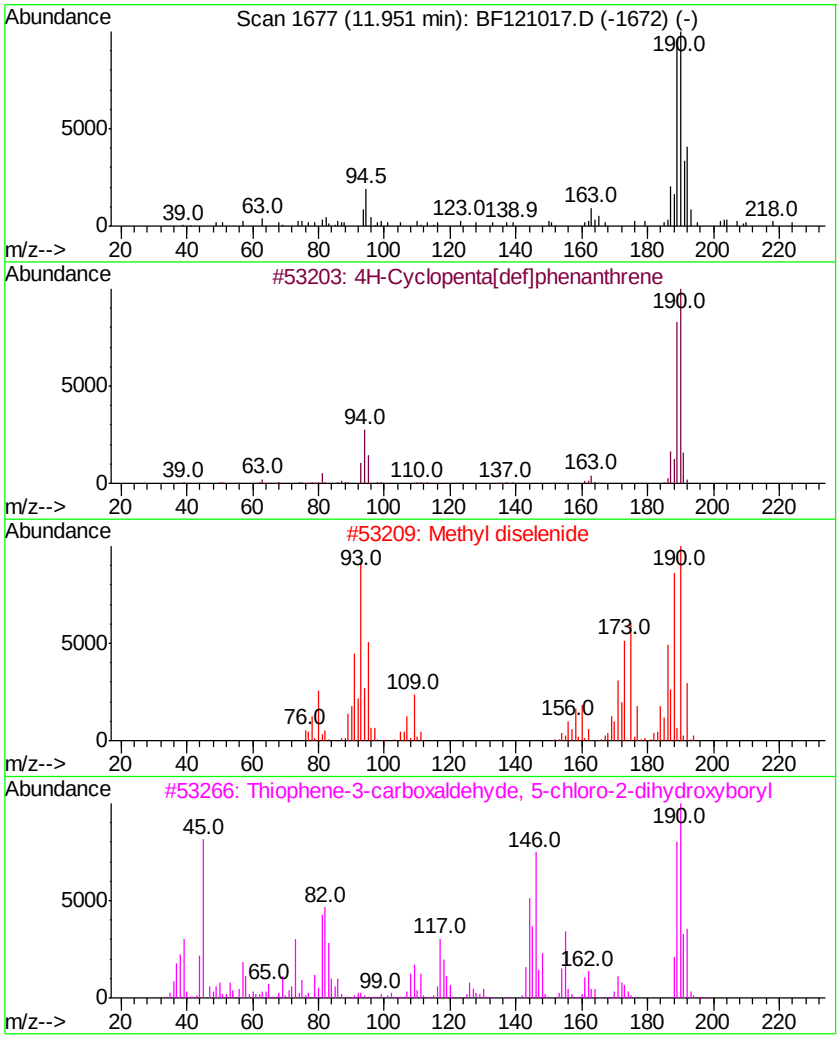
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

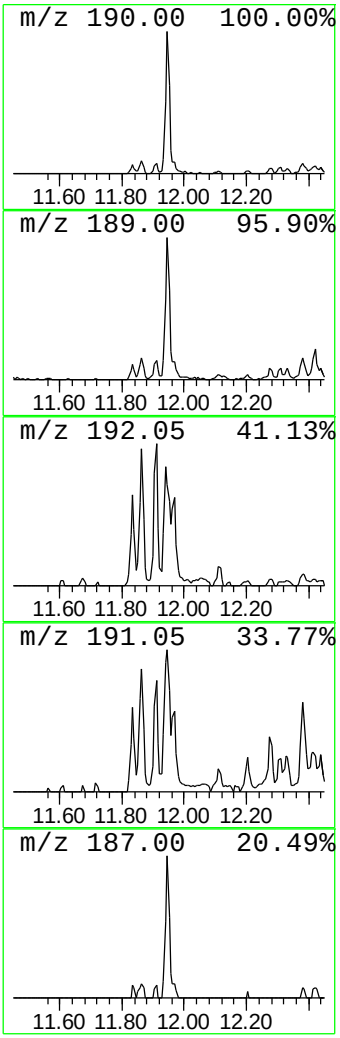
****

Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.67 ng	127178	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Methyl diselenide	190	C2H6Se2	007101-31-7	60
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Library Search Compound Report

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Data File : BF121017.D
Acq On : 24 Jul 2020 22:22
Operator : JU/CG
Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

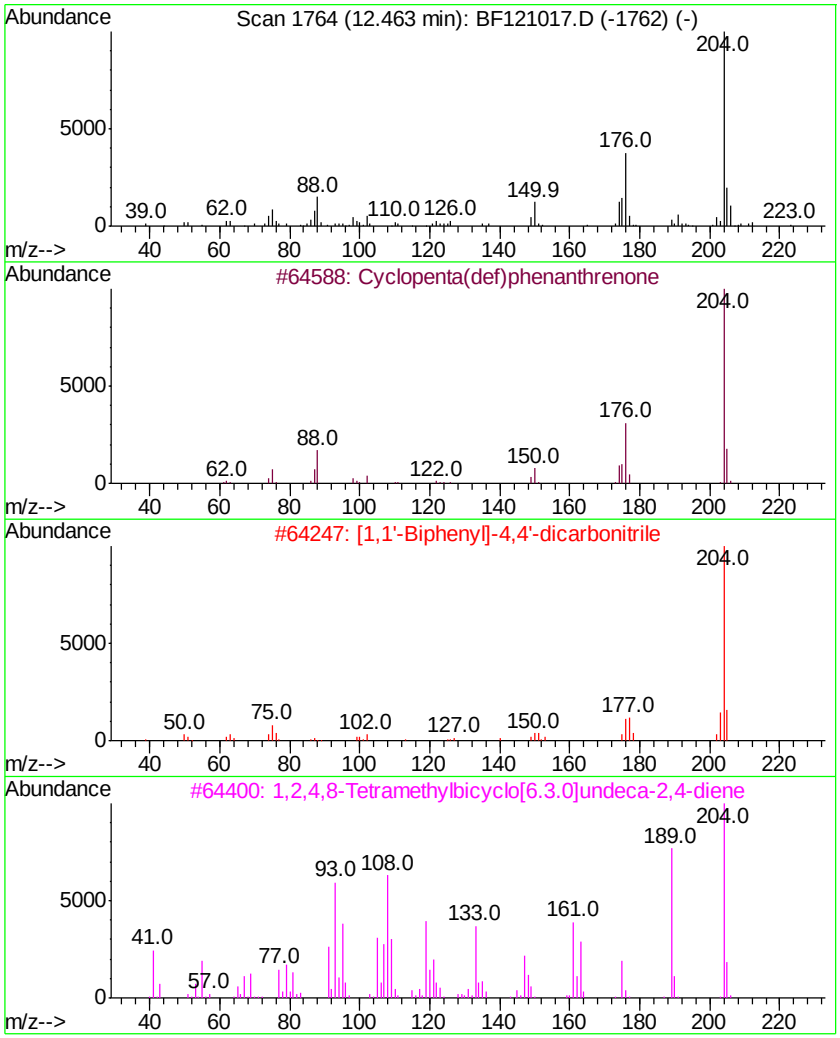
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

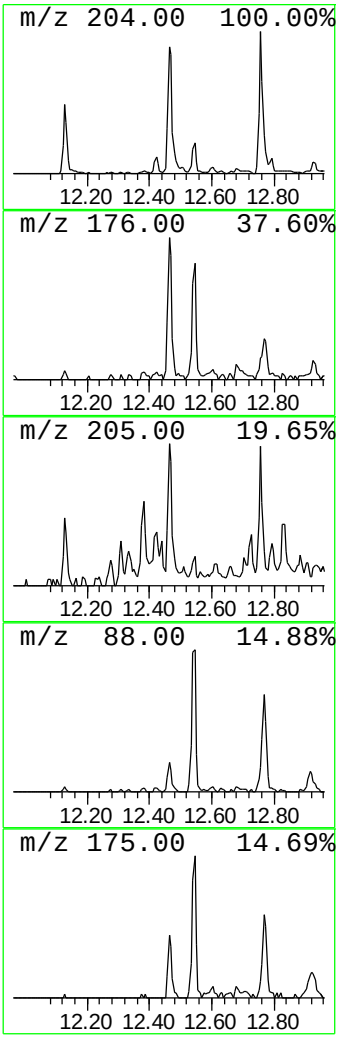
****

Peak Number 2 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.45 ng	116456	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53





Library Search Compound Report

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Operator : JU/CG
Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

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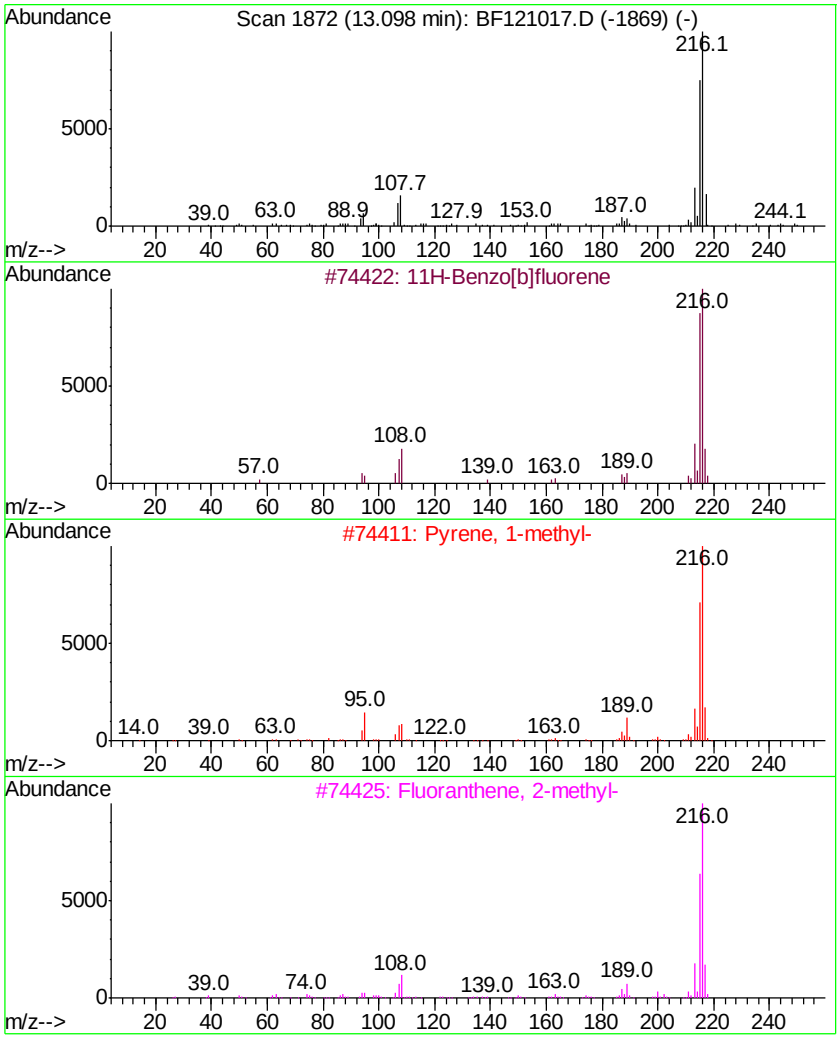
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

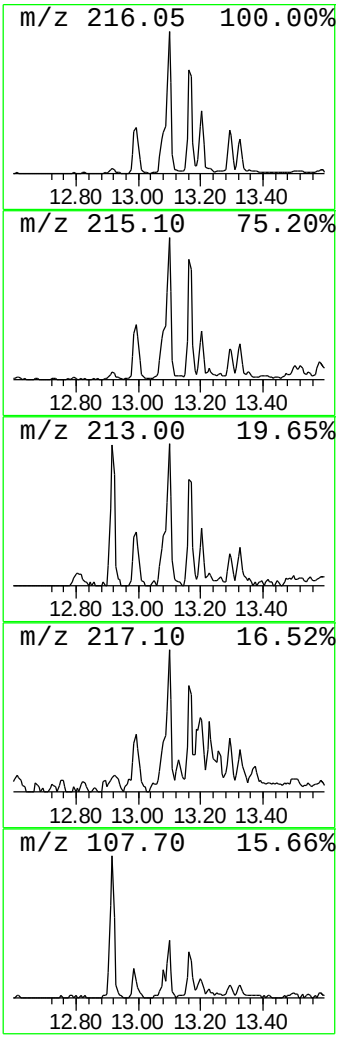
****

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.43 ng	179006	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





Library Search Compound Report

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Sample : L3383-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CRT-015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

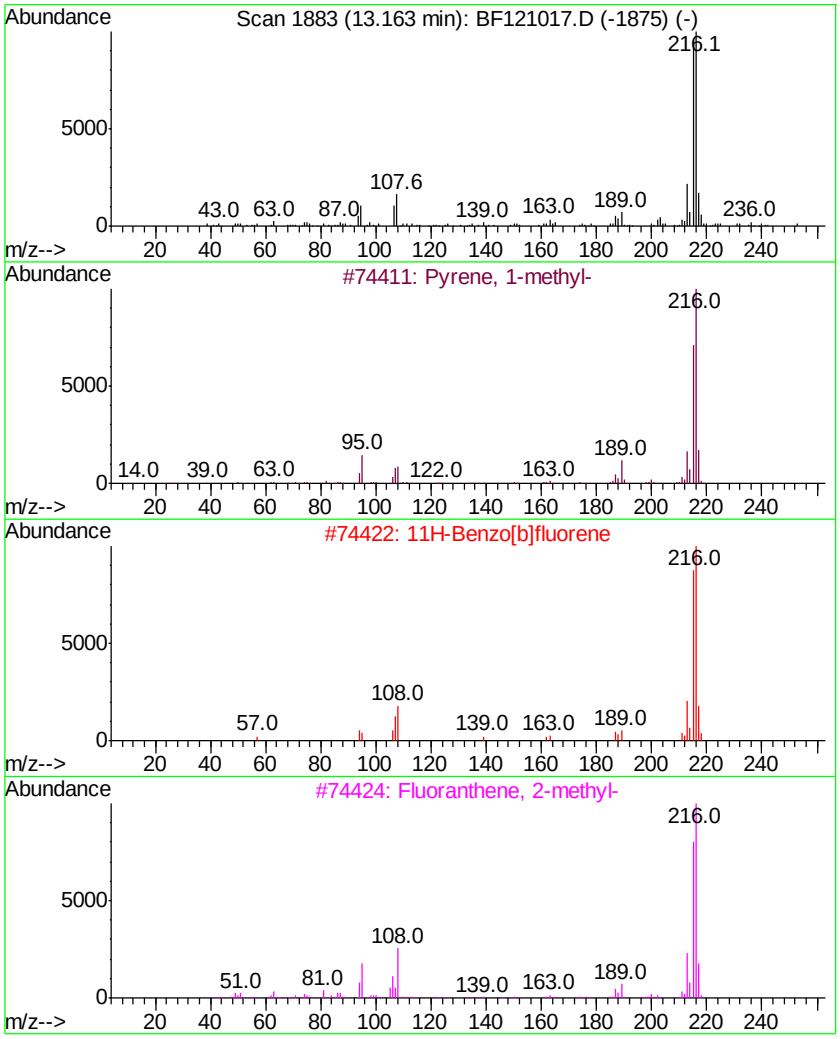
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

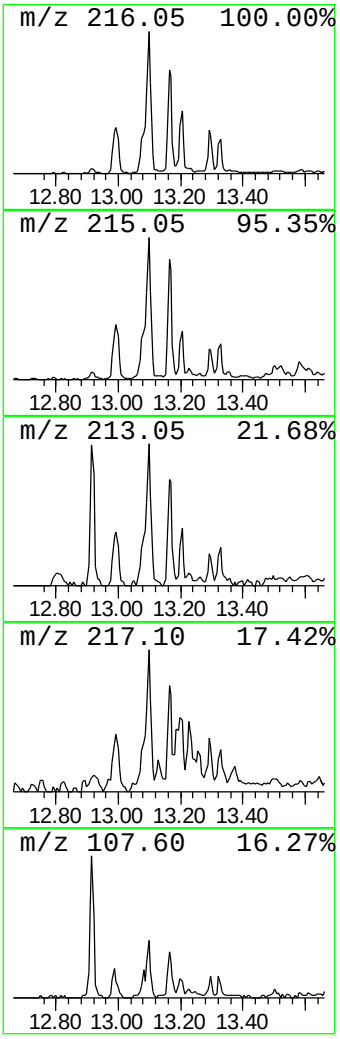
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.66 ng	195775	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : CRT-015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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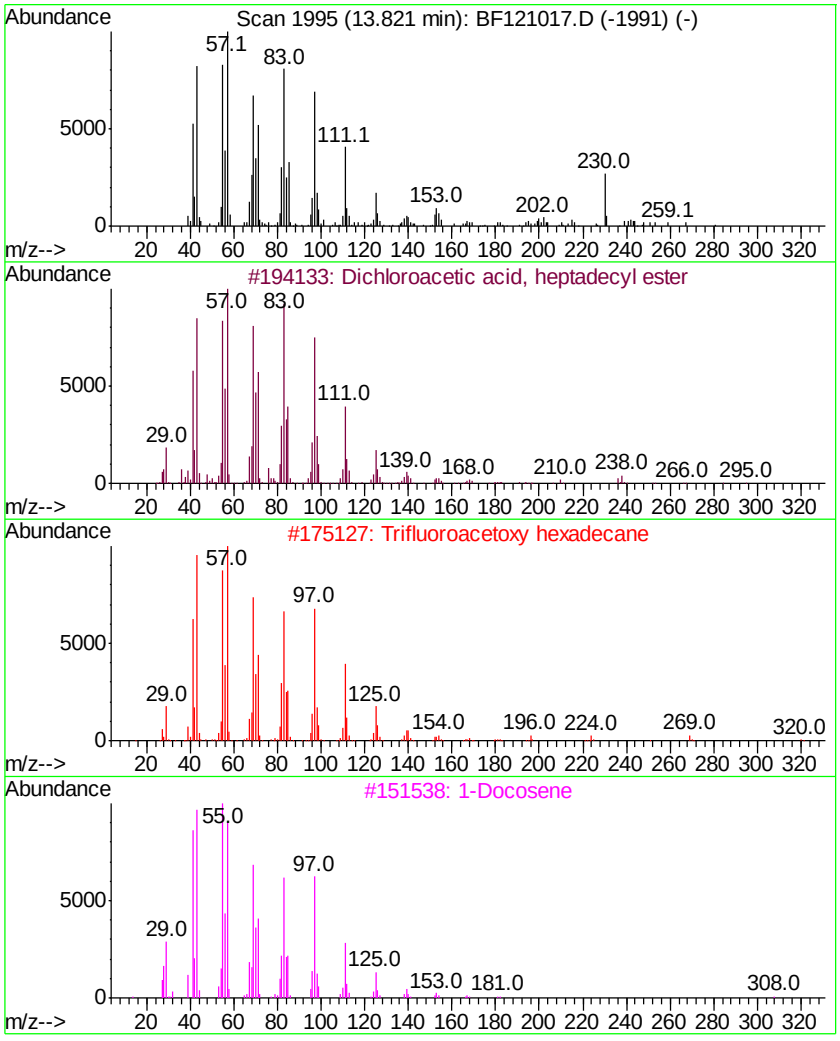
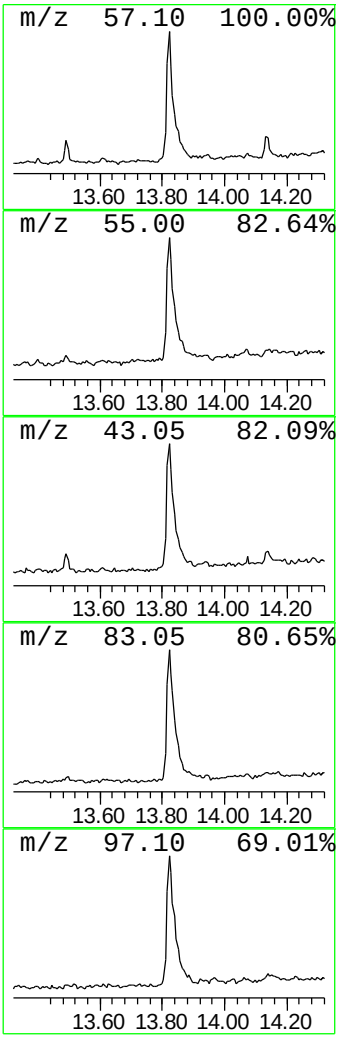
Peak Number 5 Dichloroacetic acid, heptad... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	5.28 ng	389160	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	1-Docosene	308	C22H44	001599-67-3	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	89





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

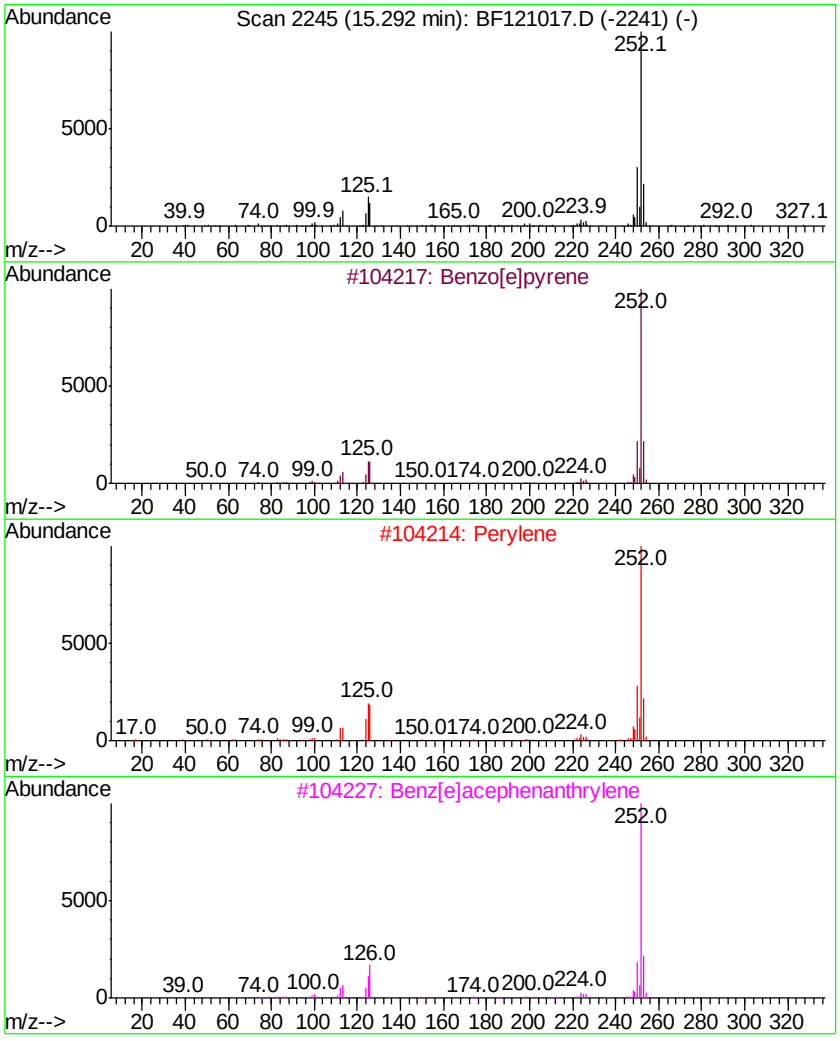
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

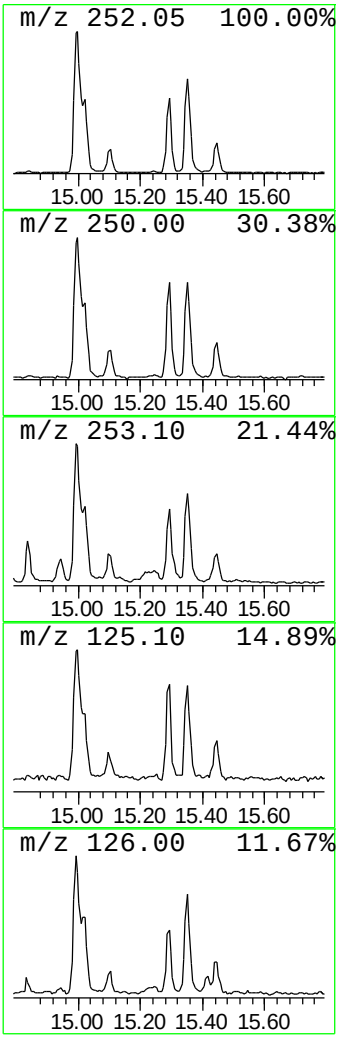
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.26 ng	177878	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072420\
Data File : BF121017.D
Acq On : 24 Jul 2020 22:22
Operator : JU/CG
Sample : L3383-21
Misc :
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Instrument : BNA_F
ClientSampleId : CRT-015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
4H-Cyclopenta[def...	11.95	2.7	ng	127178	4	11.33	950998	20.0
Cyclopenta(def)ph...	12.46	2.5	ng	116456	4	11.33	950998	20.0
11H-Benzo[b]fluorene	13.10	2.4	ng	179006	5	13.97	1472970	20.0
Pyrene, 1-methyl-	13.16	2.7	ng	195775	5	13.97	1472970	20.0
Dichloroacetic ac...	13.82	5.3	ng	389160	5	13.97	1472970	20.0
Benzo[e]pyrene	15.29	3.3	ng	177878	6	15.42	1092250	20.0