LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

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-BF072018.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	5.196	482	486	496	rBV	250350	313270	3.99%	0.557%
2	5.601	551	555	589	rBV	1169425	2029586	25.82%	3.610%
3	6.601	722	725	745	rBV	1294807	2066479	26.29%	3.676%
4	6.742	745	749	762	rVV	1777438	2082066	26.49%	3.703%
5	6.966	784	787	803	rBV	1247286	1480191	18.83%	2.633%
6	7.119	810	813	829	rBV	1381727	1539492	19.58%	2.738%
7	7.531	879	883	892	rBV	947561	1202025	15.29%	2.138%
8	8.248	1001	1005	1025	rBV	1796188	1942804	24.72%	3.456%
9	8.813	1096	1101	1109	rBV	172131	175045	2.23%	0.311%
10	9.319	1184	1187	1203	rBV	1710173	1765934	22.47%	3.141%
11	9.713	1251	1254	1263	rVB	155523	145364	1.85%	0.259%
12	10.007	1301	1304	1308	rBV	1828897	1814642	23.08%	3.228%
13	10.042	1308	1310	1316	rVB	120582	120560	1.53%	0.214%
14	10.560	1394	1398	1404	rBV	85227	93543	1.19%	0.166%
15	10.801	1435	1439	1452	rBV	1065385	1157261	14.72%	2.058%
16	11.148	1495	1498	1502	rVB2	77324	92104	1.17%	0.164%
17	11.307	1522	1525	1529	rBV2	64653	80509	1.02%	0.143%
18	11.348	1529	1532	1535	rVV3	93331	102871	1.31%	0.183%
19	11.401	1538	1541	1546	rVV	95134	103982	1.32%	0.185%
20	11.501	1555	1558	1560	rBV	1554963	1543991	19.64%	2.746%
21	11.530	1560	1563	1569	rVV	2035914	2090781	26.60%	3.719%
22	11.577	1569	1571	1575	rVV	216605	243697	3.10%	0.433%
23	11.613	1575	1577	1582	rVB	87377	107774	1.37%	0.192%
24	11.742	1593	1599	1606	rBV2	263528	422137	5.37%	0.751%
25	12.007	1641	1644	1647	rBV	475329	498326	6.34%	0.886%
26	12.030	1647	1648	1653	rVB2	232260	233019	2.96%	0.414%
27	12.119	1659	1663	1666	rBV2	381761	442478	5.63%	0.787%
28	12.301	1691	1694	1696	rBV	161316	140700	1.79%	0.250%
29	12.330	1696	1699	1704	rVB	441019	439428	5.59%	0.782%
30	12.648	1750	1753	1757	rBV	130448	180636	2.30%	0.321%
31	12.724	1762	1766	1771	rBV	3938910	4004573	50.94%	7.123%
32	12.795	1776	1778	1781	rVV3	114790	99450	1.27%	0.177%
33	12.954	1799	1805	1811	rBV	2976756	3891495	49.51%	6.922%
34	13.083	1822	1827	1830	rBV2	1256698	1313376	16.71%	2.336%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.113	1830	1832	1837	rVB	173065	160635	2.04%	0.286%
36	13.171	1837	1842	1846	rBV2	164938	309416	3.94%	0.550%
37	13.277	1858	1860	1866	rVB	410253	422055	5.37%	0.751%
38	13.348	1869	1872	1874	rBV	294447	285595	3.63%	0.508%
39	13.618	1913	1918	1921	rBV	7490543	7860752	100.00%	13.982%
40	13.789	1945	1947	1952	rVB	242460	255978	3.26%	0.455%
41	13.901	1964	1966	1969	rBV3	278315	285656	3.63%	0.508%
42	13.966	1973	1977	1981	rBV3	305142	525145	6.68%	0.934%
43	14.113	1998	2002	2005	rBV	2336658	2269243	28.87%	4.036%
44	14.154	2005	2009	2012	rVV2	1932060	3130660	39.83%	5.569%
45	14.183	2012	2014	2021	rVB	1795944	1636601	20.82%	2.911%
46	14.260	2025	2027	2030	rBV	316196	310424	3.95%	0.552%
47	15.236	2189	2193	2196	rBV	1195624	1932070	24.58%	3.437%
48	15.560	2245	2248	2254	rVB	696332	872860	11.10%	1.553%
49	15.630	2256	2260	2265	rVB	902814	1168244	14.86%	2.078%
50	15.695	2267	2271	2274	rVV	649387	835348	10.63%	1.486%

Sum of corrected areas: 56220271

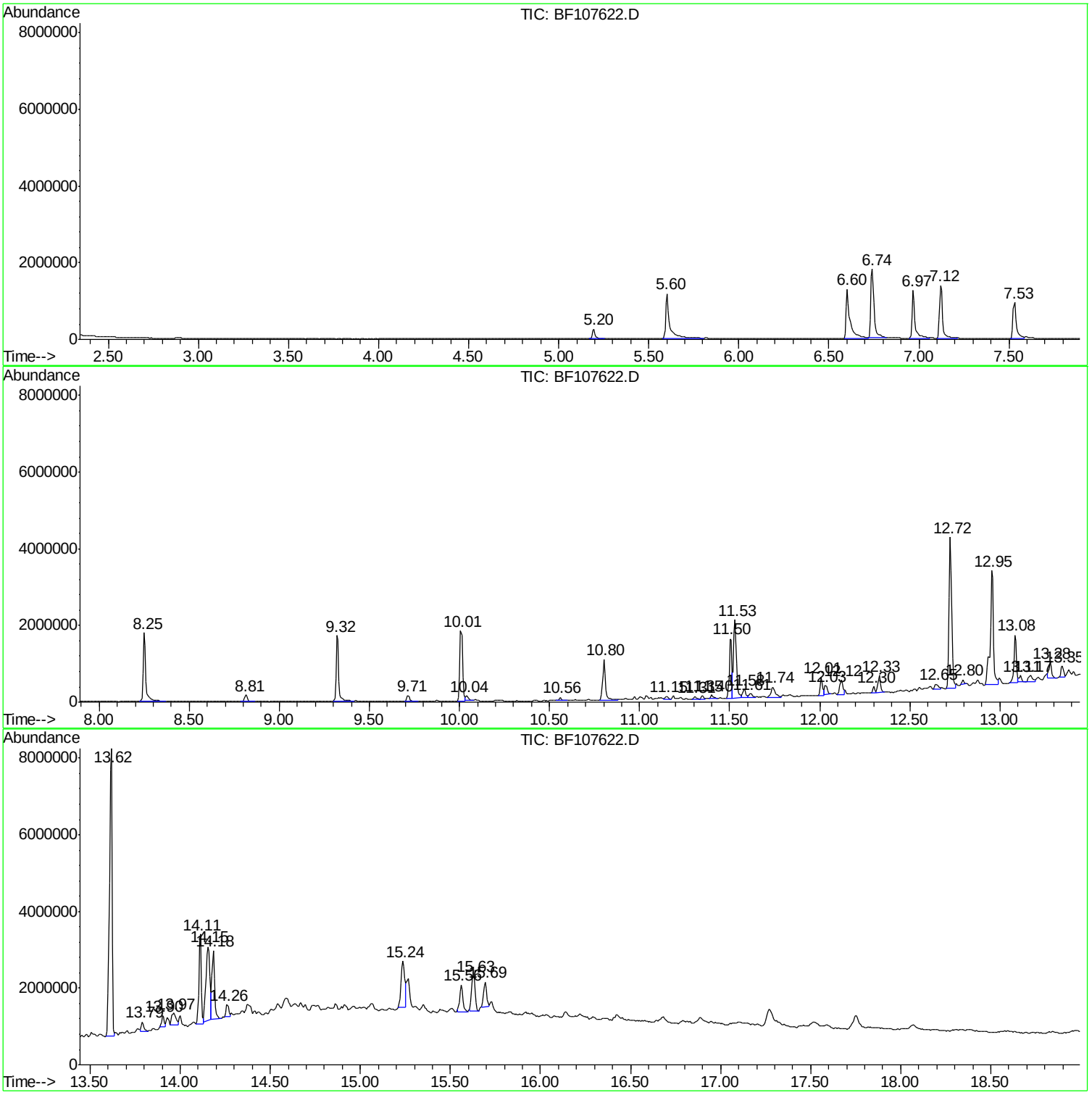
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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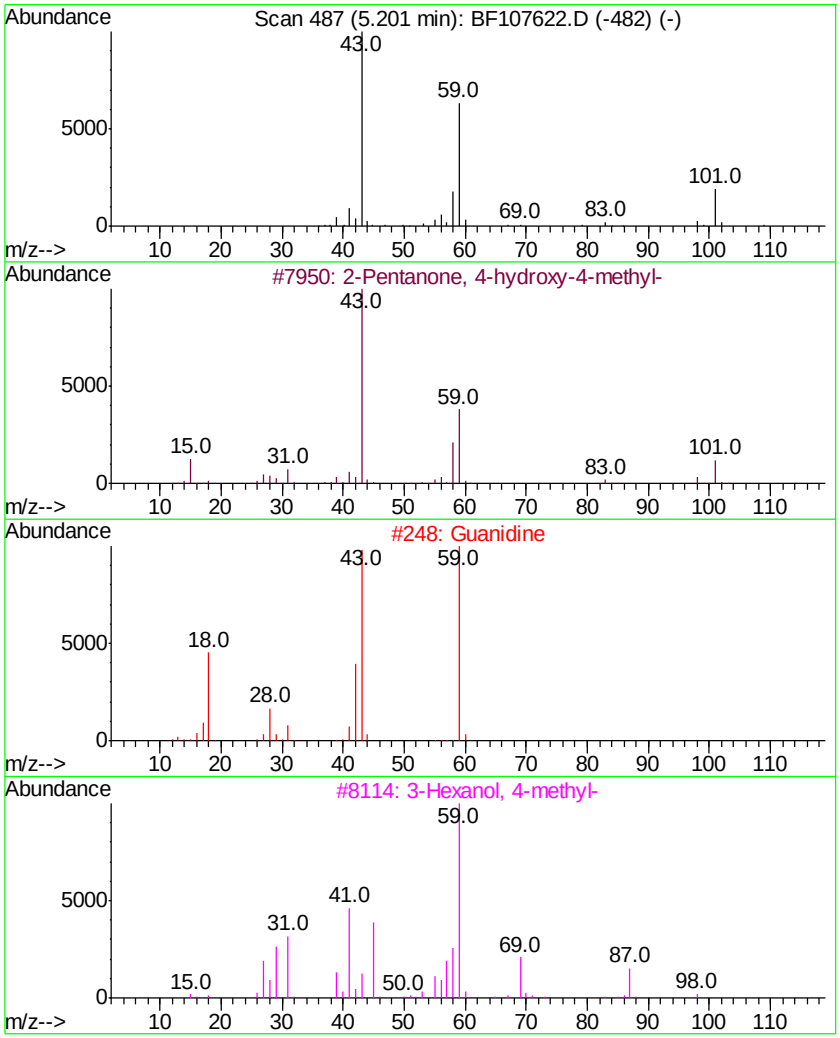
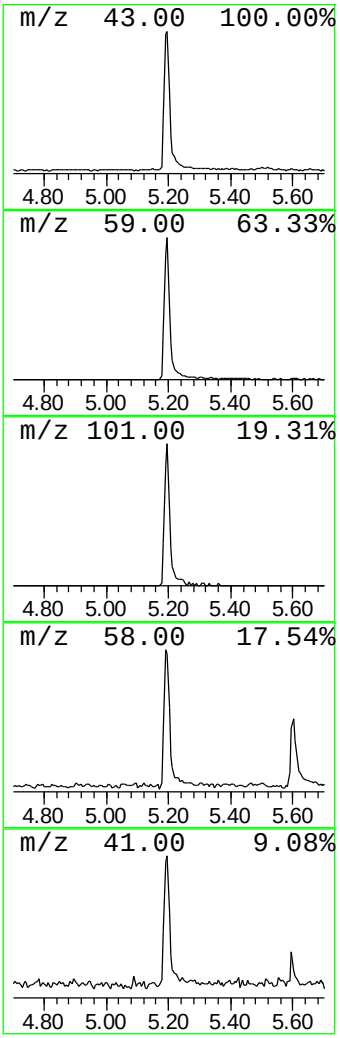
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	4.23 ng	313270	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Silane, trimethyl-	74	C3H10Si	000993-07-7	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

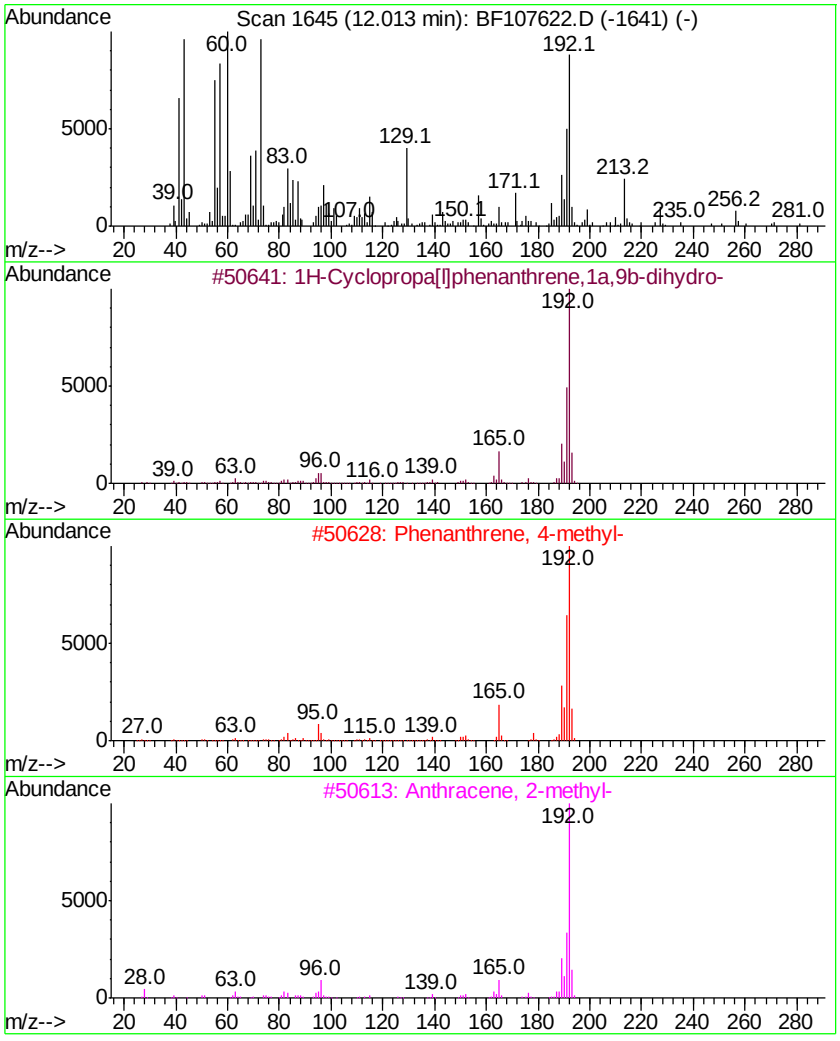
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

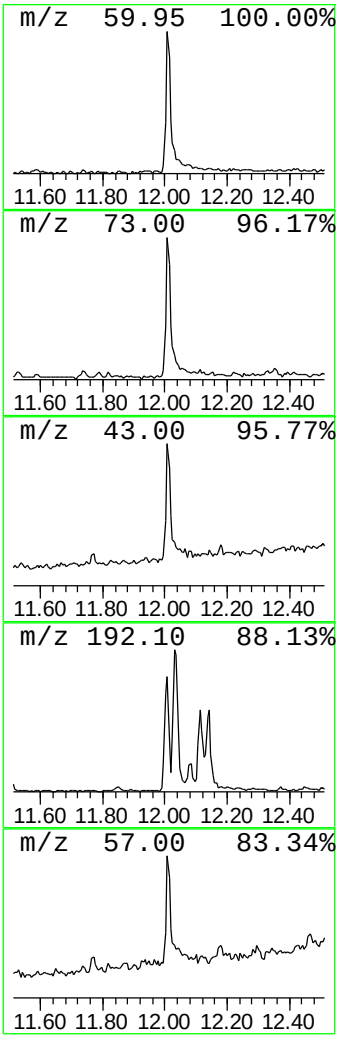
****

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	6.46 ng	498326	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	78
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

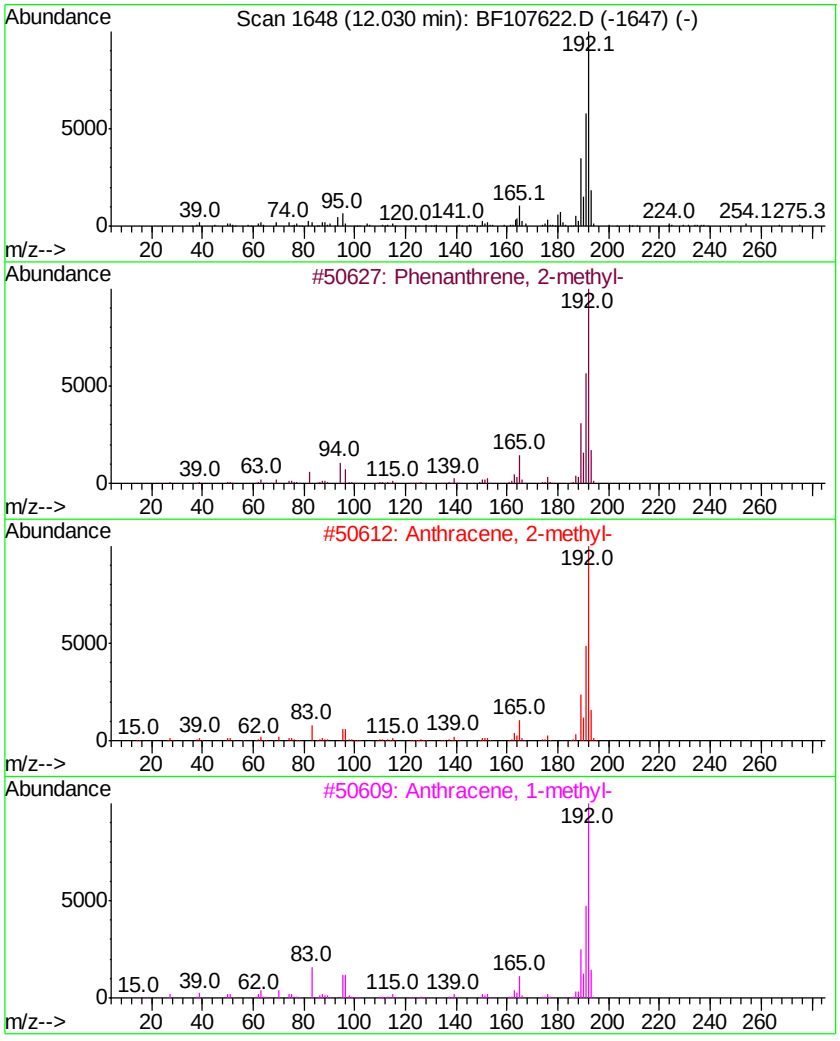
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

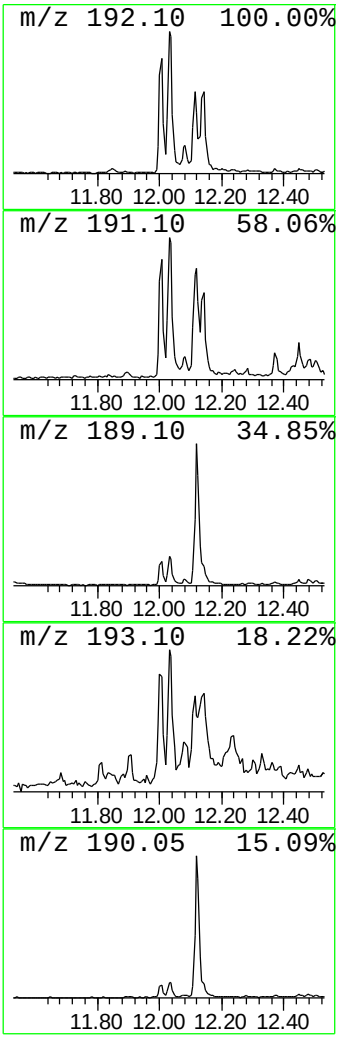
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.02 ng	233019	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

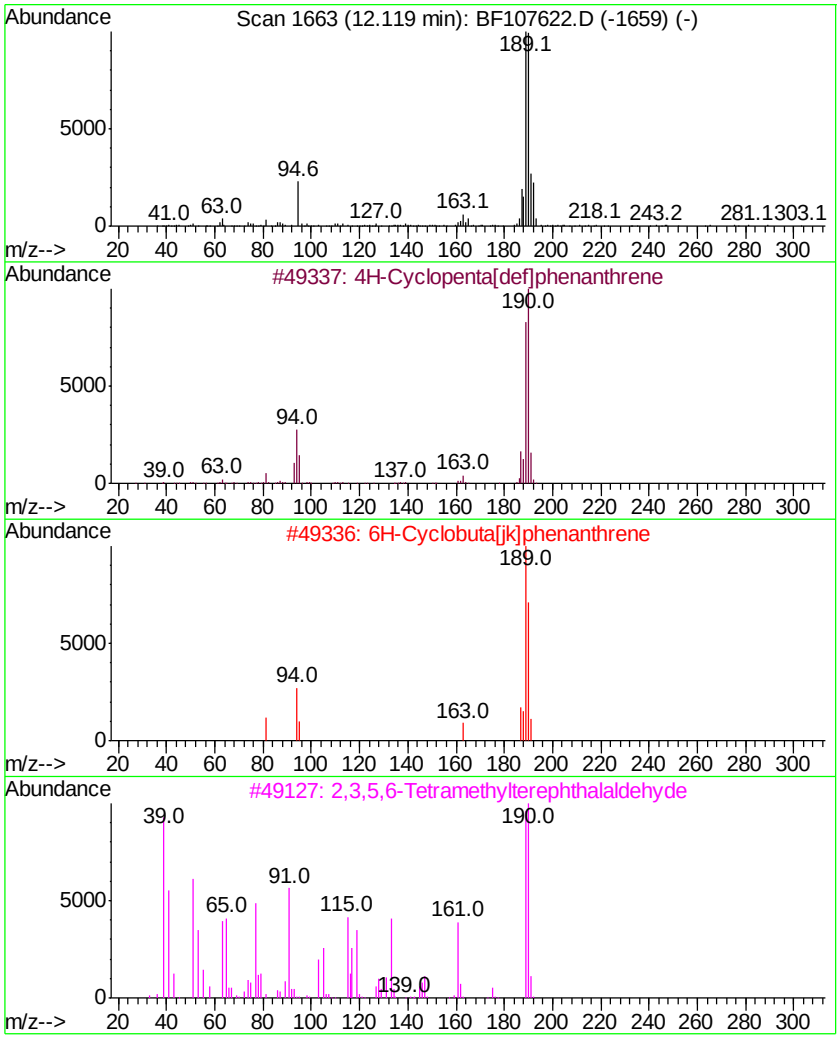
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

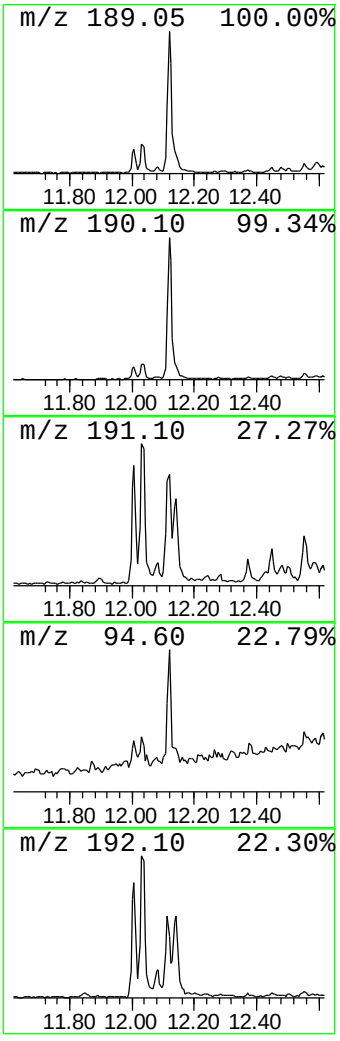
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.73 ng	442478	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

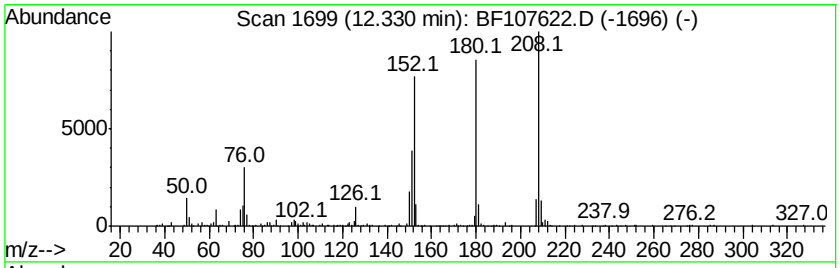
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

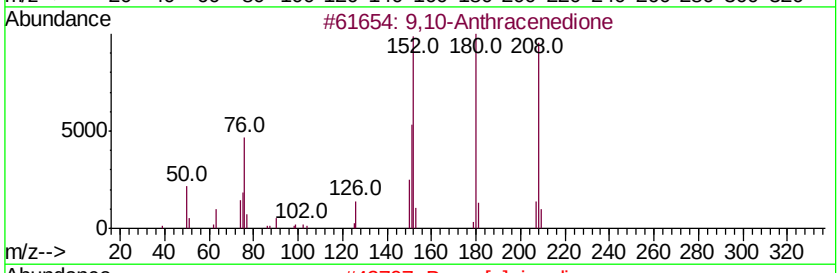
****

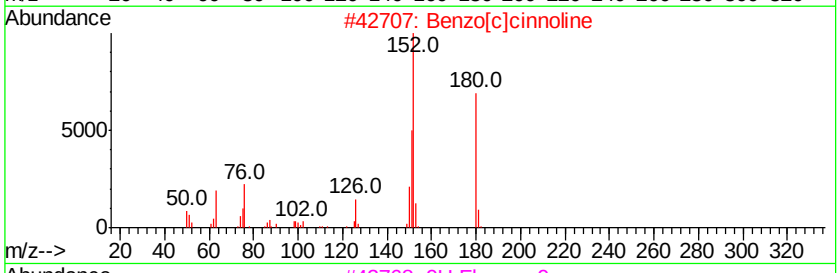
Peak Number 5 9,10-Anthracenedione Concentration Rank 5

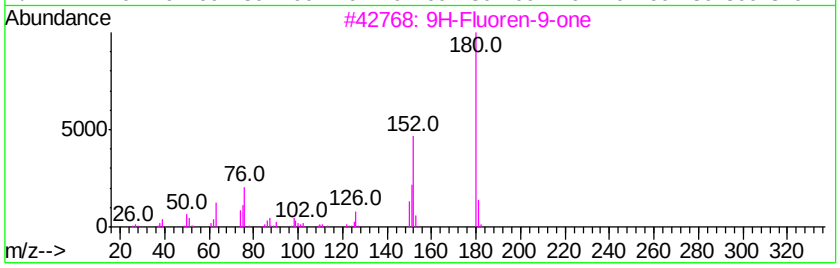
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.69 ng	439428	Phenanthrene-d10	11.51

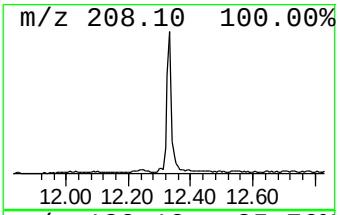
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58

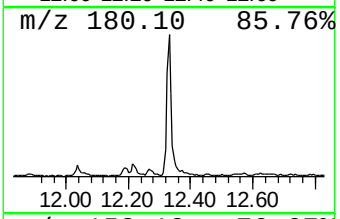


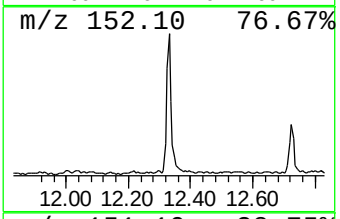


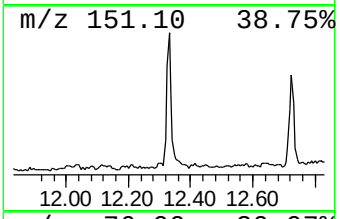


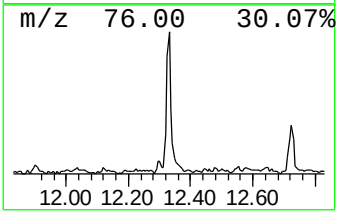












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

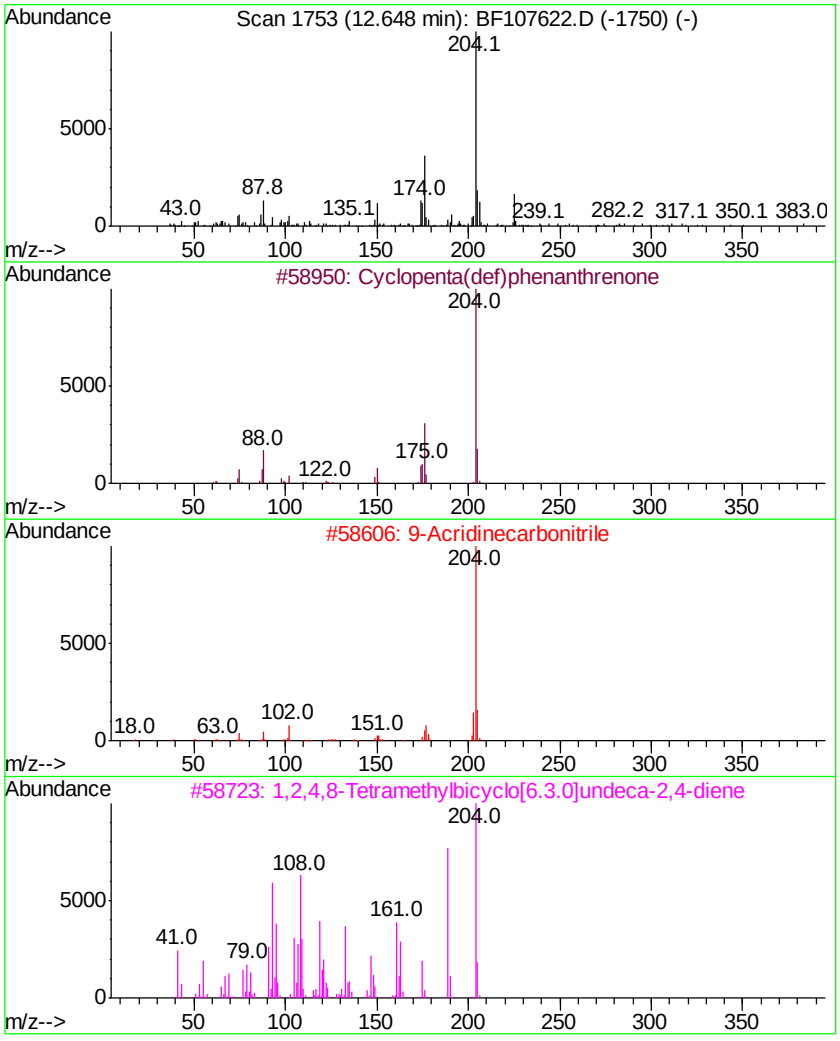
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

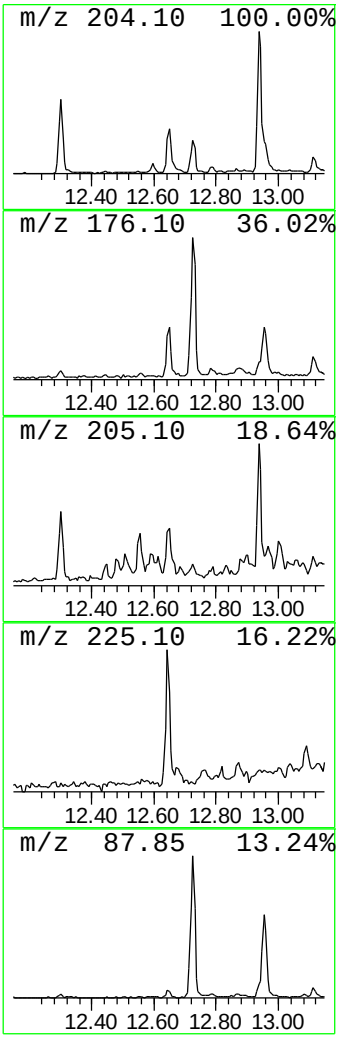
****

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.34 ng	180636	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	47
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

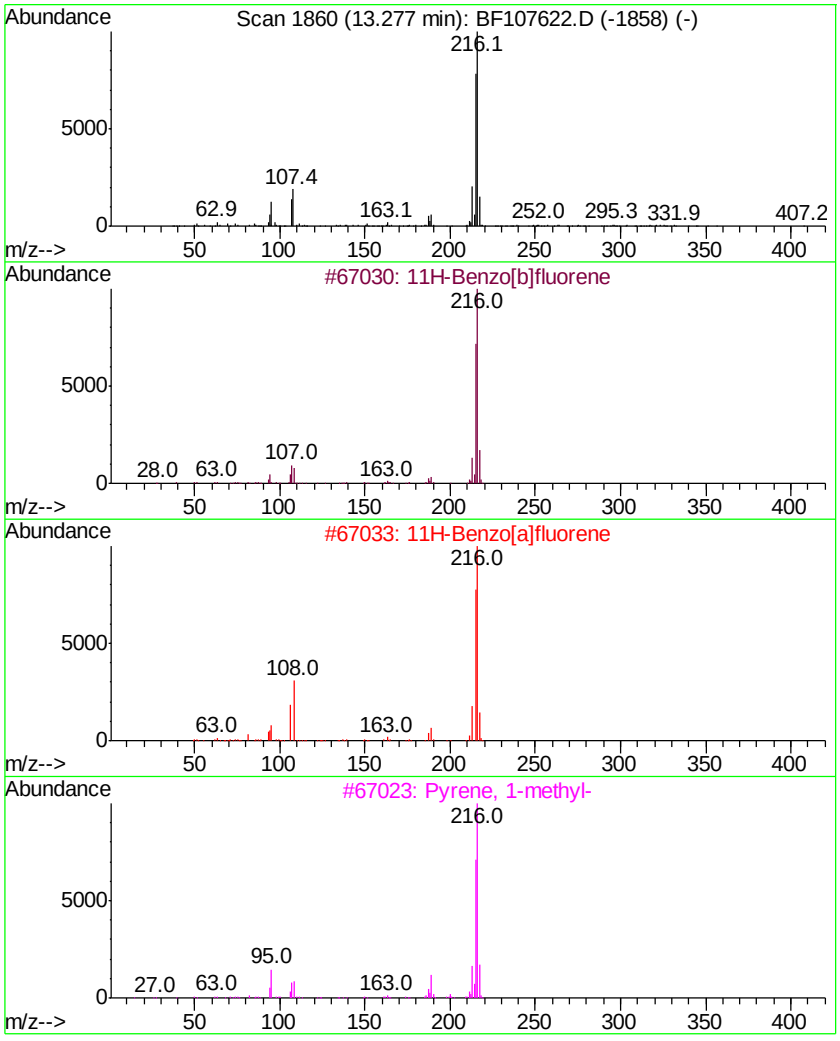
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

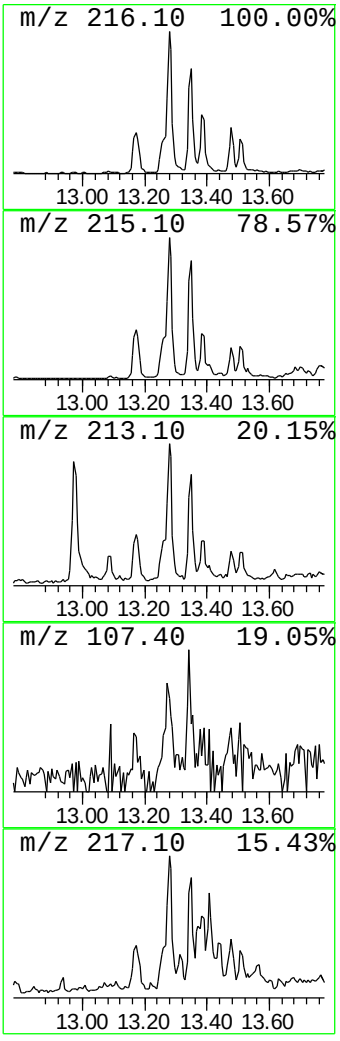
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.70 ng	422055	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





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Data File : BF107622.D
Acq On : 24 Jul 2018 16:44
Operator : JU/SJ
Sample : J4096-07 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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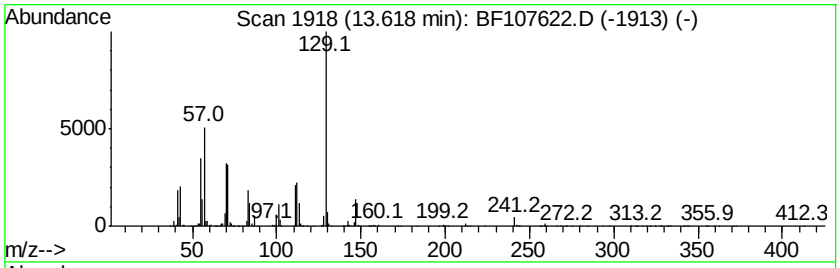
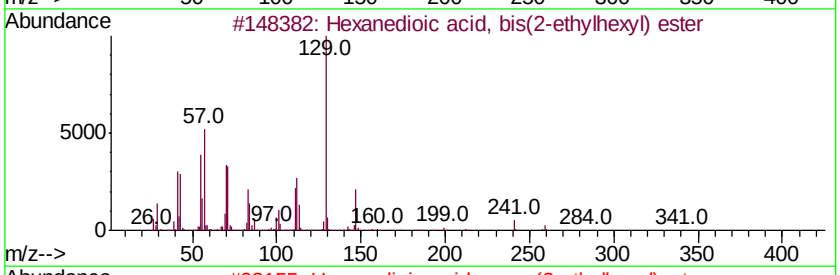
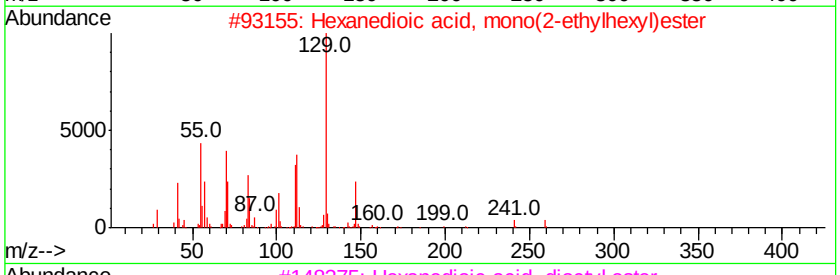
Peak Number 8 Hexanedioic acid, bis(2-eth... Concentration Rank 1

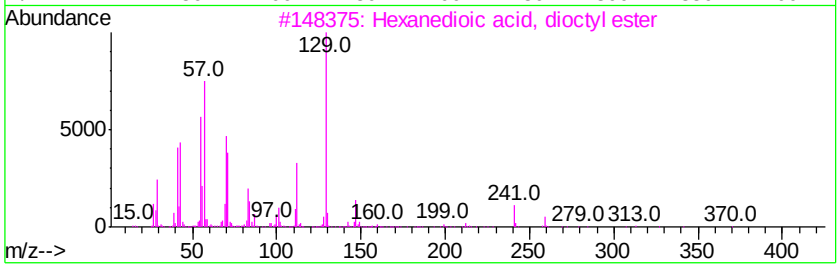
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	50.22 ng	7860750	Chrysene-d12	14.16

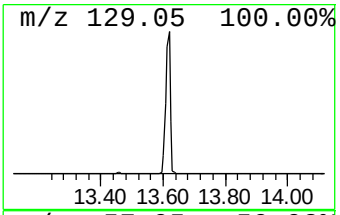
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68
3	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	58
4	Diisooctyl adipate	370	C22H42O4	001330-86-5	50
5	Adipic acid, di(oct-4-yl ester)	370	C22H42O4	1000160-80-1	50

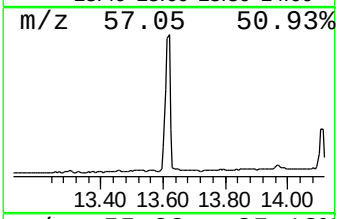


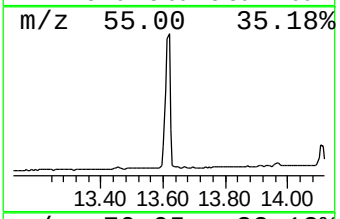


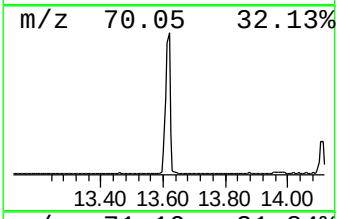


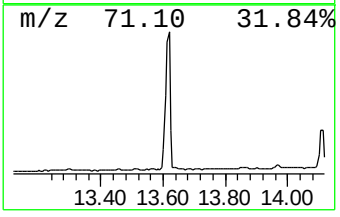












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Instrument : BNA_F
ClientSampleId : DW-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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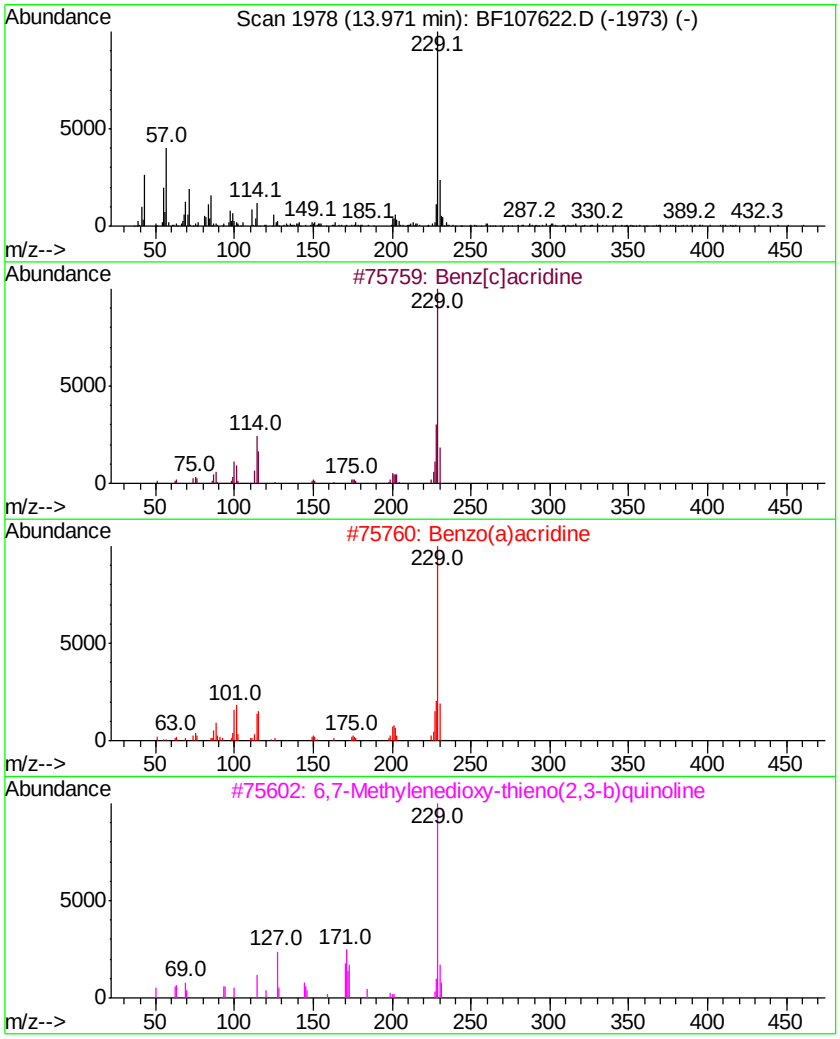
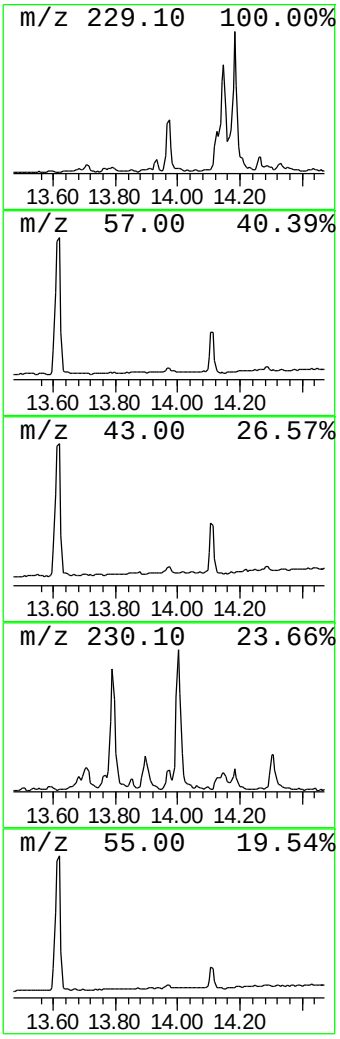
Peak Number 9 Benz[c]acridine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.35 ng	525145	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	64
2	Benzo(a)acridine	229	C17H11N	000225-11-6	52
3	6,7-Methylenedioxy-thieno(2,3-b)...	229	C12H7NO2S	062638-09-9	40
4	Naphthalene, 2-(1-methyl-2-phenyl...	244	C19H16	017181-02-1	38
5	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-9

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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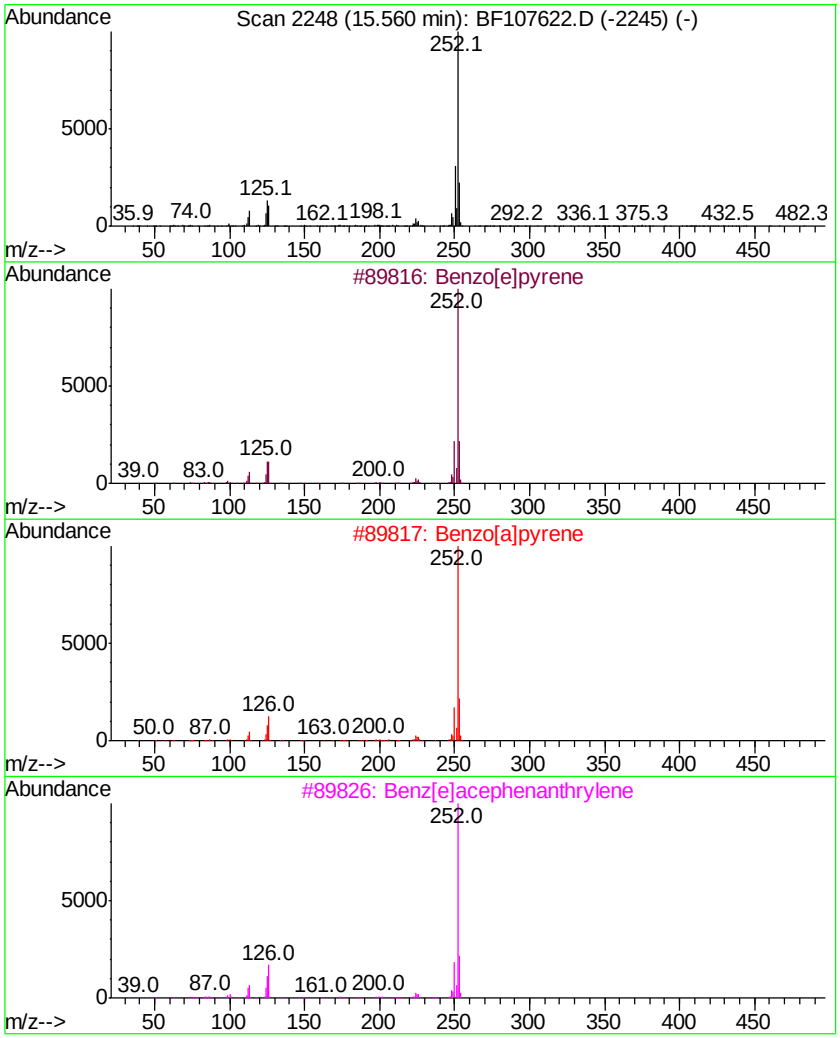
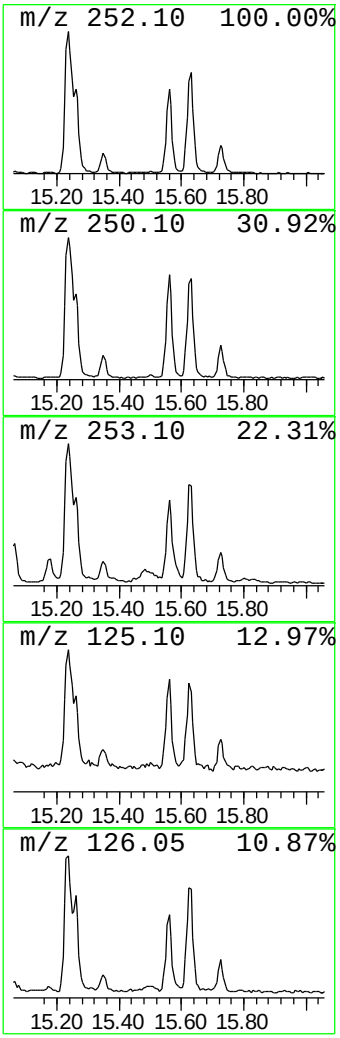
Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	20.90 ng	872860	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
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\BF072418\
Data File : BF107622.D
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Instrument : BNA_F
ClientSampleId : DW-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.20	4.2	ng	313270	1	6.97	1480190	20.0
1H-Cyclopropa[l]p...	12.01	6.5	ng	498326	4	11.51	1543990	20.0
Phenanthrene, 2-m...	12.03	3.0	ng	233019	4	11.51	1543990	20.0
4H-Cyclopenta[def...	12.12	5.7	ng	442478	4	11.51	1543990	20.0
9,10-Anthracenedione	12.33	5.7	ng	439428	4	11.51	1543990	20.0
Cyclopenta(def)ph...	12.65	2.3	ng	180636	4	11.51	1543990	20.0
11H-Benzo[b]fluorene	13.28	2.7	ng	422055	5	14.16	3130660	20.0
Hexanedioic acid,...	13.62	50.2	ng	7860750	5	14.16	3130660	20.0
Benz[c]acridine	13.97	3.4	ng	525145	5	14.16	3130660	20.0
Benzo[e]pyrene	15.56	20.9	ng	872860	6	15.69	835348	20.0