LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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-BF061918.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	5.154	475	479	487	rBV	78133	83788	1.92%	0.483%
2	5.572	547	550	571	rVB	603858	601963	13.80%	3.468%
3	6.590	720	723	741	rBV	463287	622084	14.26%	3.584%
4	6.713	741	744	752	rVV	653977	627881	14.39%	3.617%
5	6.931	777	781	787	rBV	448414	361918	8.30%	2.085%
6	7.084	804	807	811	rBV	563377	491006	11.26%	2.829%
7	7.495	873	877	886	rBV	428416	377492	8.65%	2.175%
8	8.219	996	1000	1002	rBV	453667	436505	10.01%	2.515%
9	9.289	1178	1182	1190	rBV	811888	639455	14.66%	3.684%
10	9.683	1243	1249	1254	rVB	121443	115393	2.65%	0.665%
11	9.983	1296	1300	1303	rBV	462920	442821	10.15%	2.551%
12	10.778	1431	1435	1441	rBV	402704	369769	8.48%	2.130%
13	11.101	1483	1490	1493	rBV2	1999210	4362087	100.00%	25.131%
14	11.483	1551	1555	1557	rBV	543530	475021	10.89%	2.737%
15	11.507	1557	1559	1562	rVV	504946	388505	8.91%	2.238%
16	11.560	1565	1568	1570	rVV	68645	56325	1.29%	0.325%
17	11.983	1637	1640	1642	rBV	55993	49690	1.14%	0.286%
18	12.013	1642	1645	1649	rVV2	83430	73800	1.69%	0.425%
19	12.101	1656	1660	1662	rVV2	80286	96908	2.22%	0.558%
20	12.213	1676	1679	1684	rVV4	48662	57686	1.32%	0.332%
21	12.277	1687	1690	1693	rVV	49353	48317	1.11%	0.278%
22	12.319	1694	1697	1705	rVB2	94078	105717	2.42%	0.609%
23	12.413	1710	1713	1719	rVV	151531	137661	3.16%	0.793%
24	12.536	1731	1734	1737	rBV	73217	71337	1.64%	0.411%
25	12.707	1759	1763	1765	rBV	687458	672769	15.42%	3.876%
26	12.724	1765	1766	1770	rVB	195770	136108	3.12%	0.784%
27	12.913	1795	1798	1799	rBV	154149	129322	2.96%	0.745%
28	12.936	1799	1802	1807	rVV	647309	579864	13.29%	3.341%
29	13.066	1820	1824	1827	rVB	634232	615609	14.11%	3.547%
30	13.201	1844	1847	1850	rVB	173195	145983	3.35%	0.841%
31	13.266	1855	1858	1862	rVB2	111175	107845	2.47%	0.621%
32	13.330	1866	1869	1871	rBV2	54151	46220	1.06%	0.266%
33	13.619	1915	1918	1920	rBV	53908	52115	1.19%	0.300%
34	13.648	1920	1923	1928	rBV3	76546	97753	2.24%	0.563%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.789	1944	1947	1949	rBV	66940	65482	1.50%	0.377%
36	13.889	1960	1964	1968	rBV3	456223	665332	15.25%	3.833%
37	13.954	1973	1975	1981	rBV3	119814	145947	3.35%	0.841%
38	14.007	1981	1984	1986	rBV	56681	47957	1.10%	0.276%
39	14.042	1986	1990	1993	rBV2	315037	352481	8.08%	2.031%
40	14.160	2005	2010	2013	rBV2	553712	755956	17.33%	4.355%
41	14.189	2013	2015	2018	rVB	310214	241067	5.53%	1.389%
42	14.307	2032	2035	2038	rVV	352720	322043	7.38%	1.855%
43	14.342	2038	2041	2044	rVB3	191545	183415	4.20%	1.057%
44	15.277	2196	2200	2203	rBV	201190	327856	7.52%	1.889%
45	15.601	2253	2255	2264	rVB	115772	155068	3.55%	0.893%
46	15.671	2264	2267	2270	rBV	145675	173806	3.98%	1.001%
47	15.742	2275	2279	2282	rBV	193393	244289	5.60%	1.407%

Sum of corrected areas: 17357416

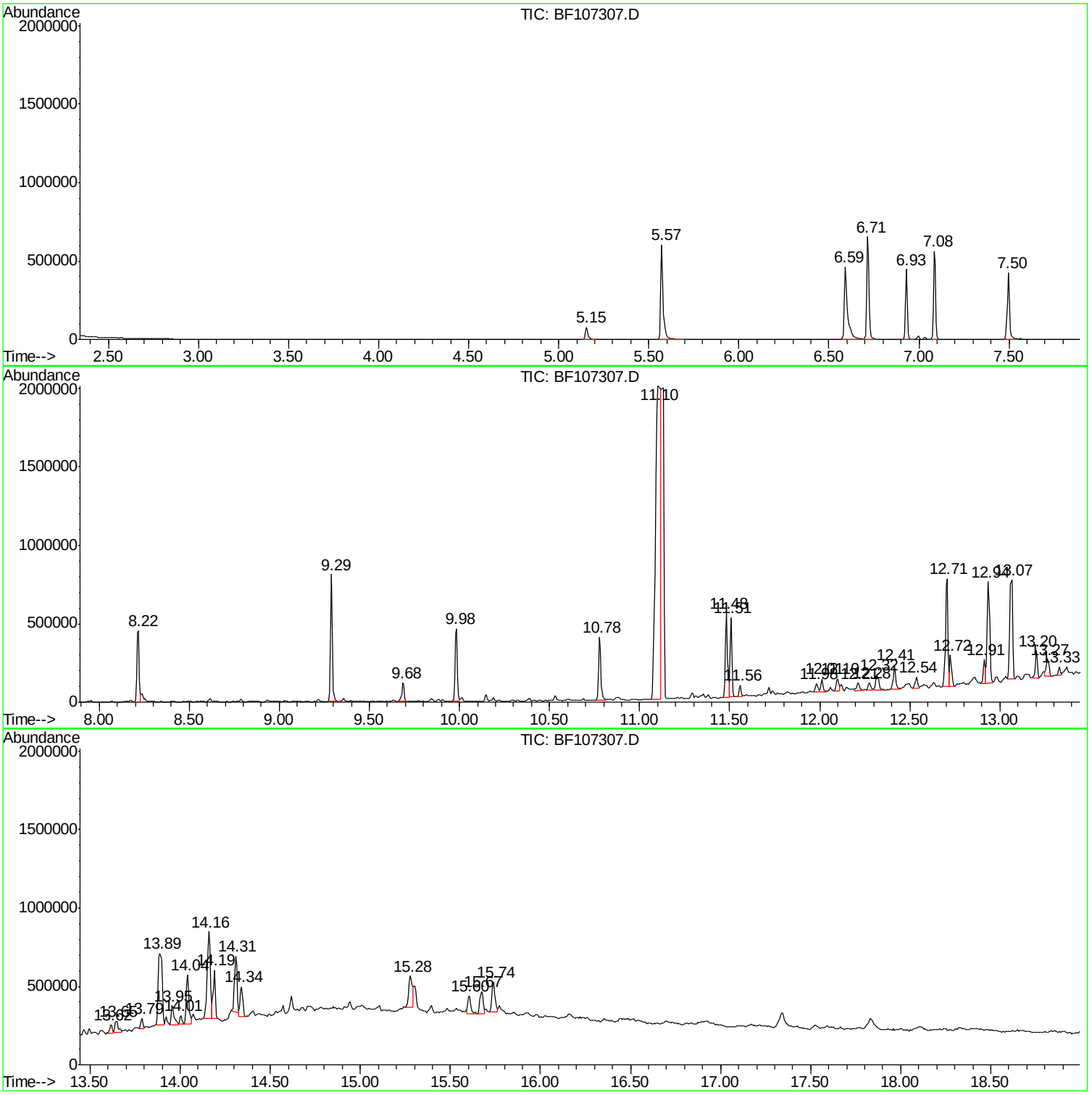
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

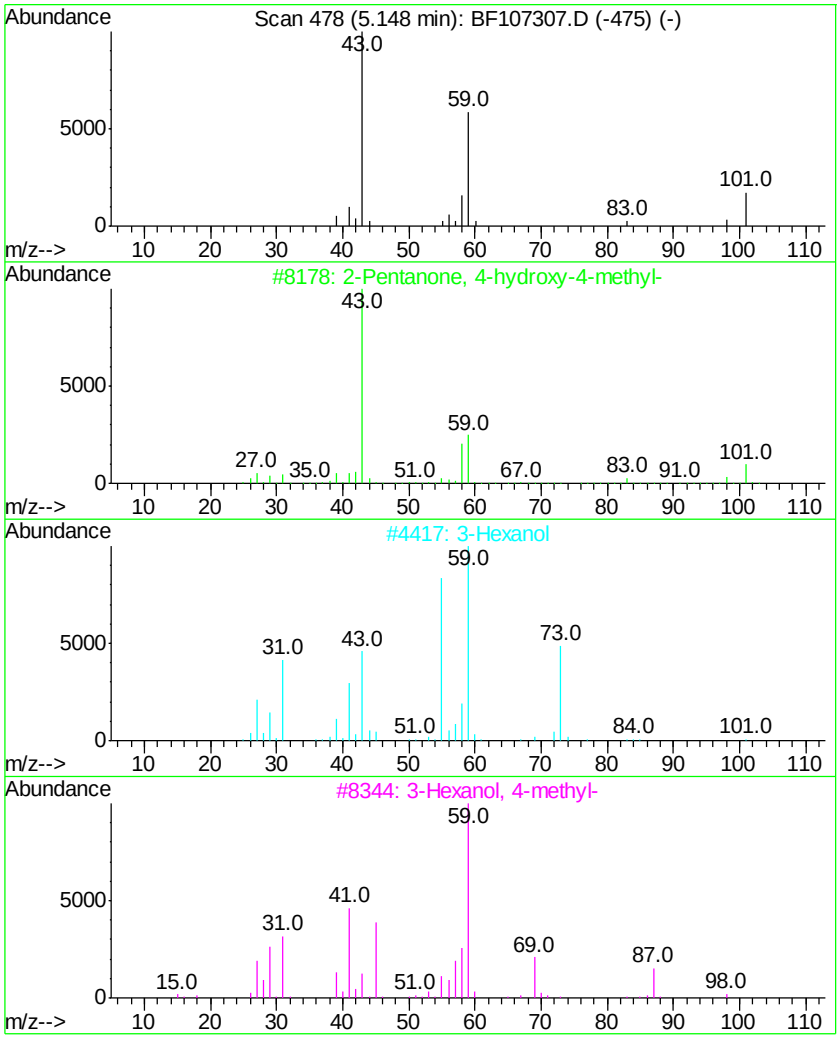
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

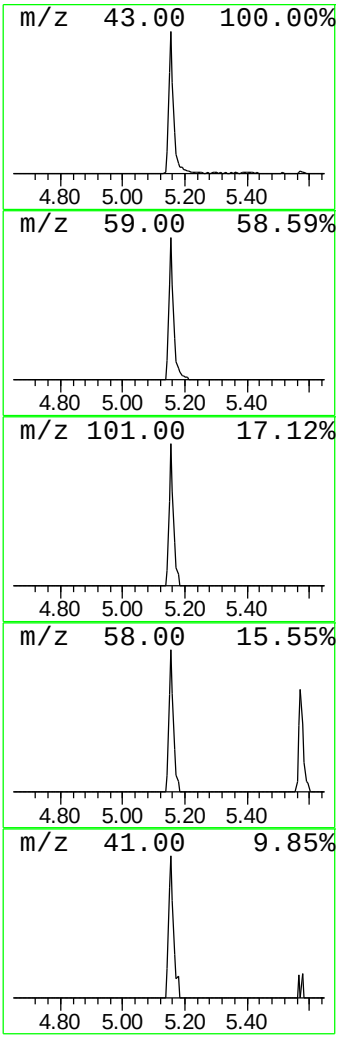
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	4.63 ng	83788	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol	102	C6H14O	000623-37-0	28
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

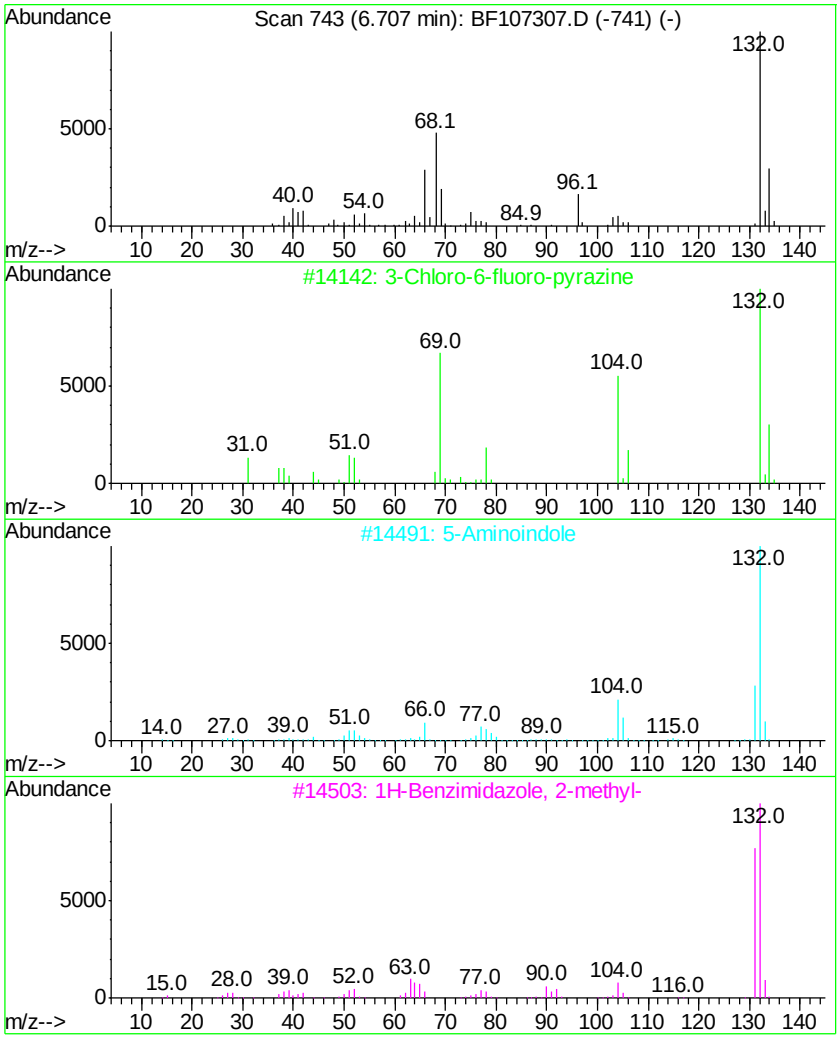
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

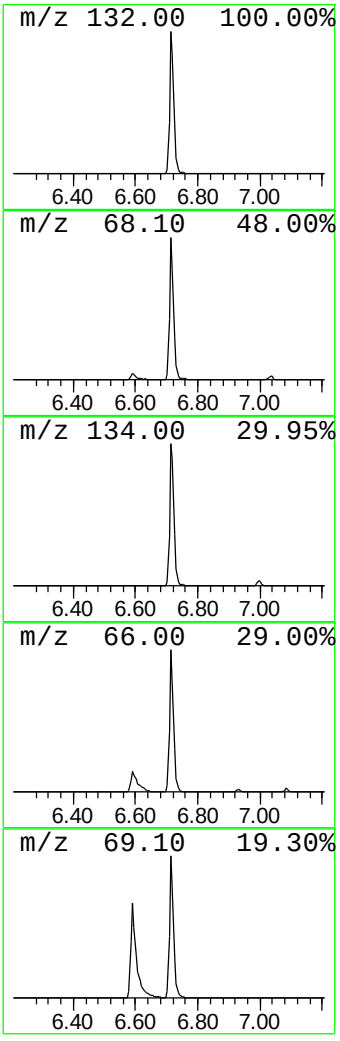
****

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	34.70 ng	627881	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

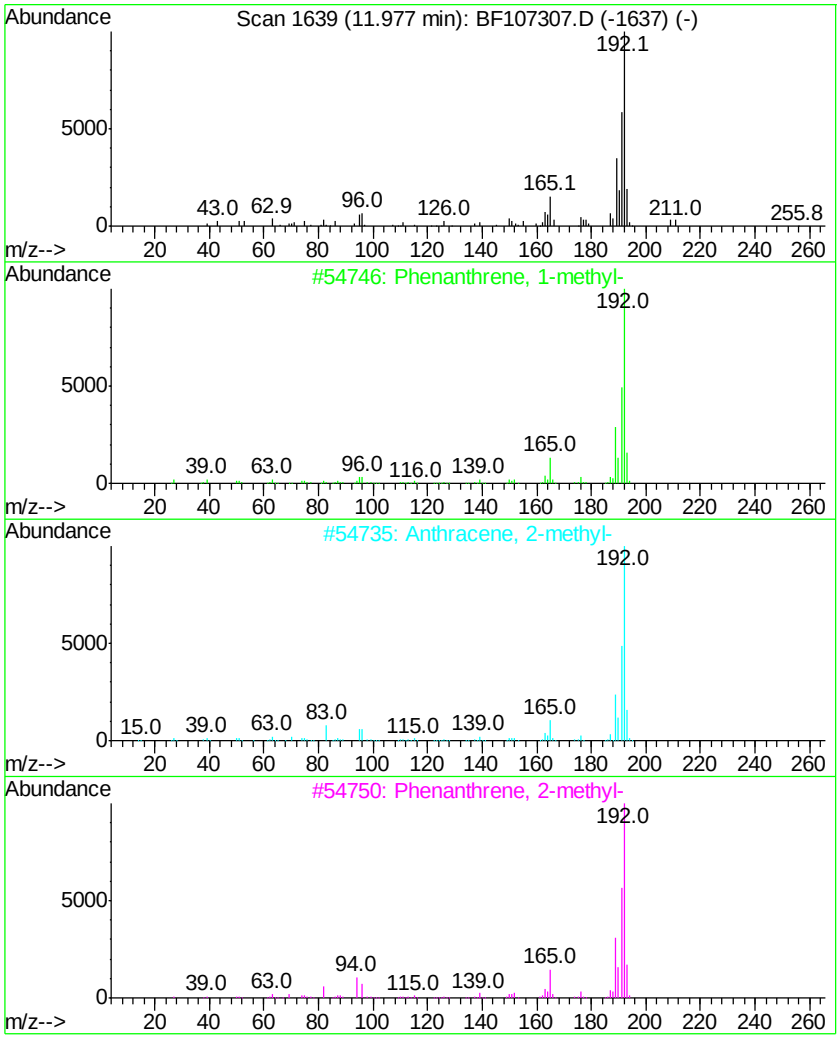
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

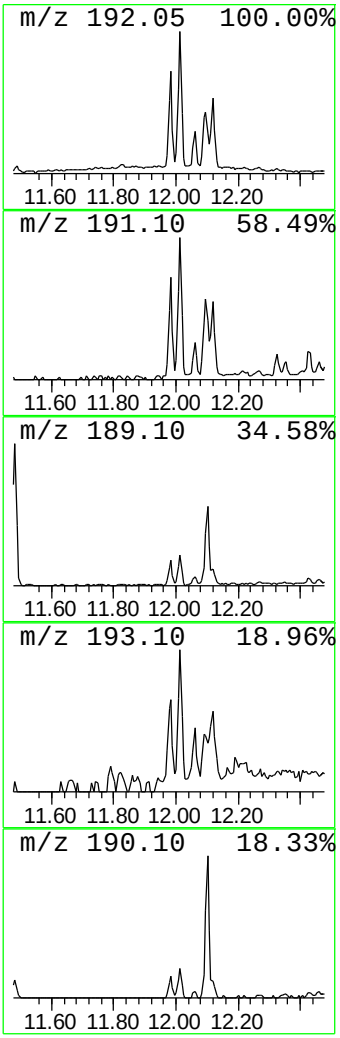
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.09 ng	49690	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

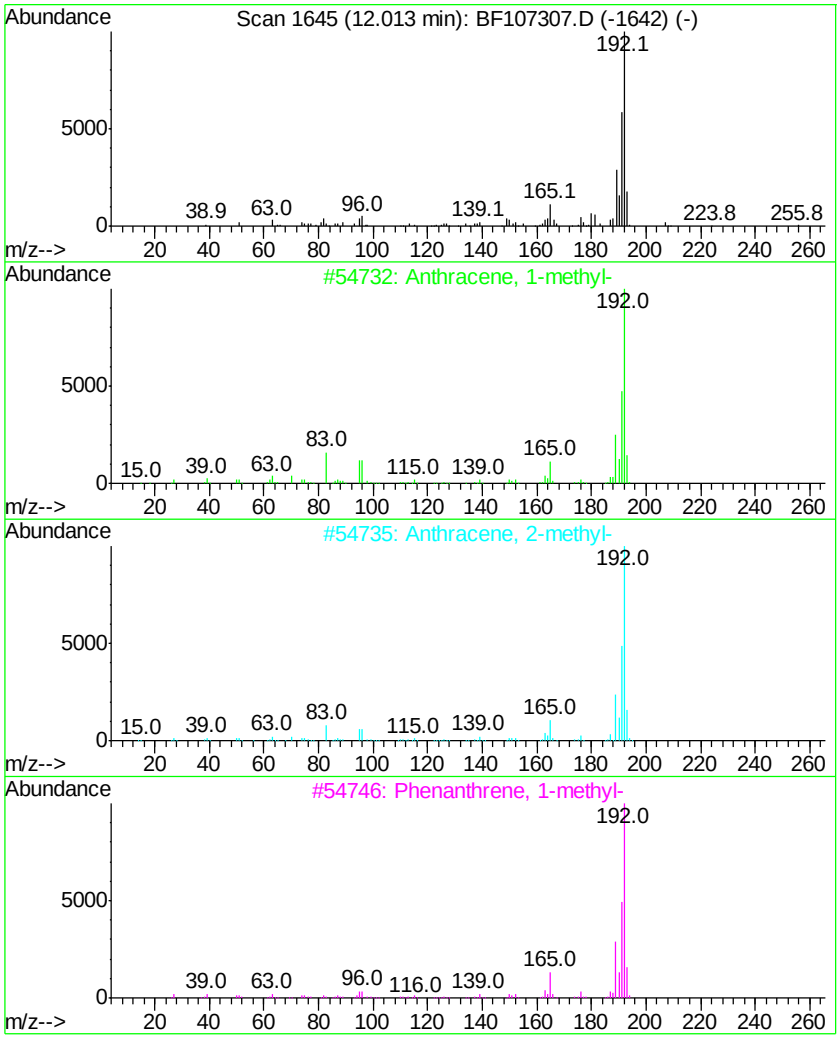
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

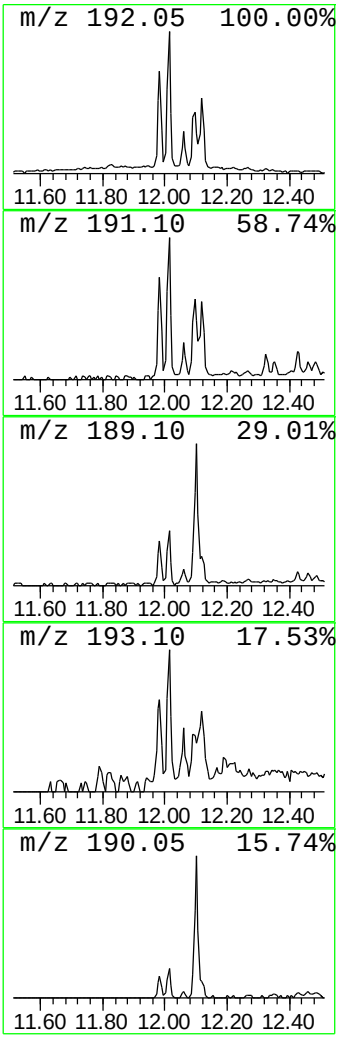
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.11 ng	73800	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

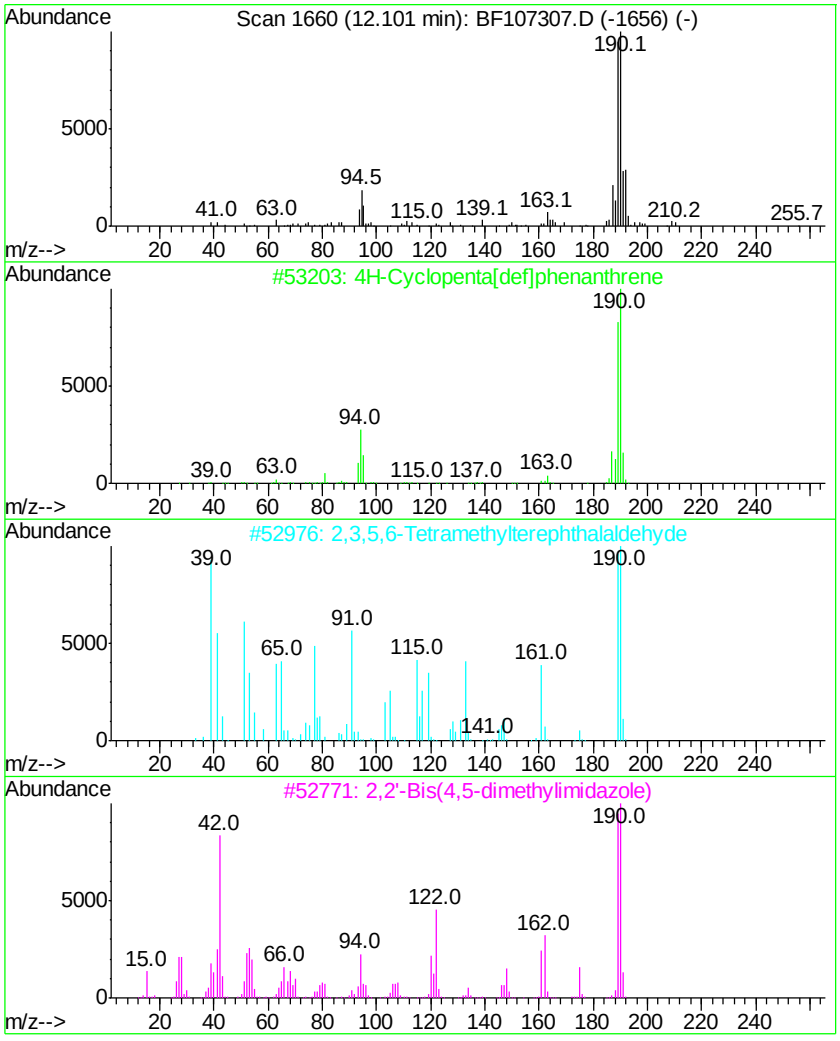
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

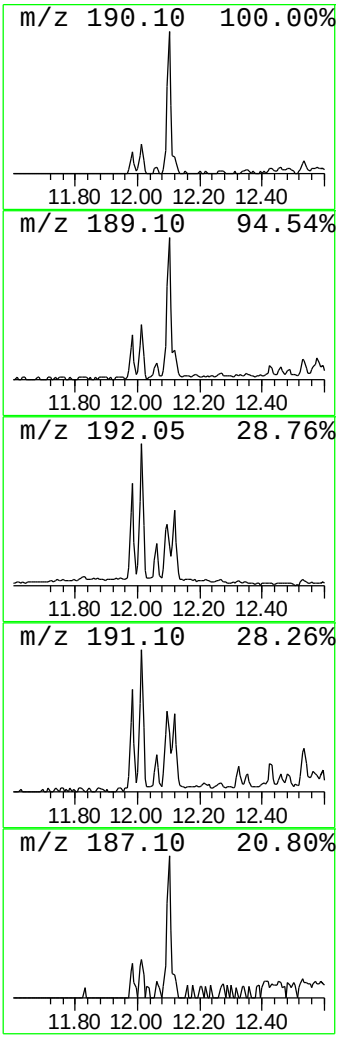
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	4.08 ng	96908	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
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Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

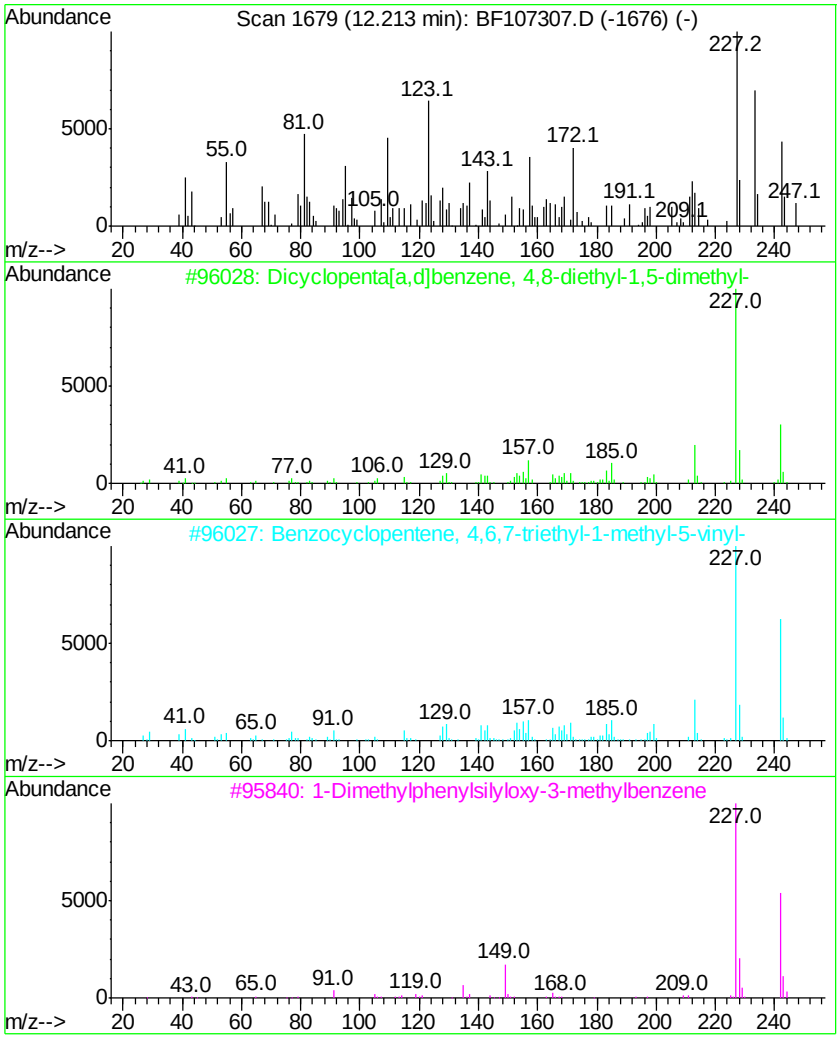
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

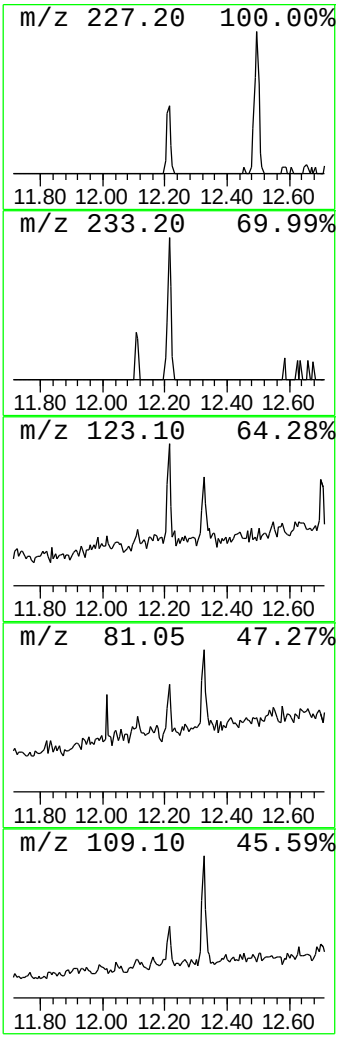
****

Peak Number 7 unknown12.21 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.43 ng	57686	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	42
2	Benzocyclopentene, 4,6,7-triethy...	242	C18H26	1000156-41-5	30
3	1-Dimethylphenylsilyloxy-3-methy...	242	C15H18OSi	1000307-90-4	27
4	2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	1000297-99-1	27
5	1,2-Dihydro-3-acetyl-4-methyl-9H...	242	C14H14N2O2	1000298-95-0	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

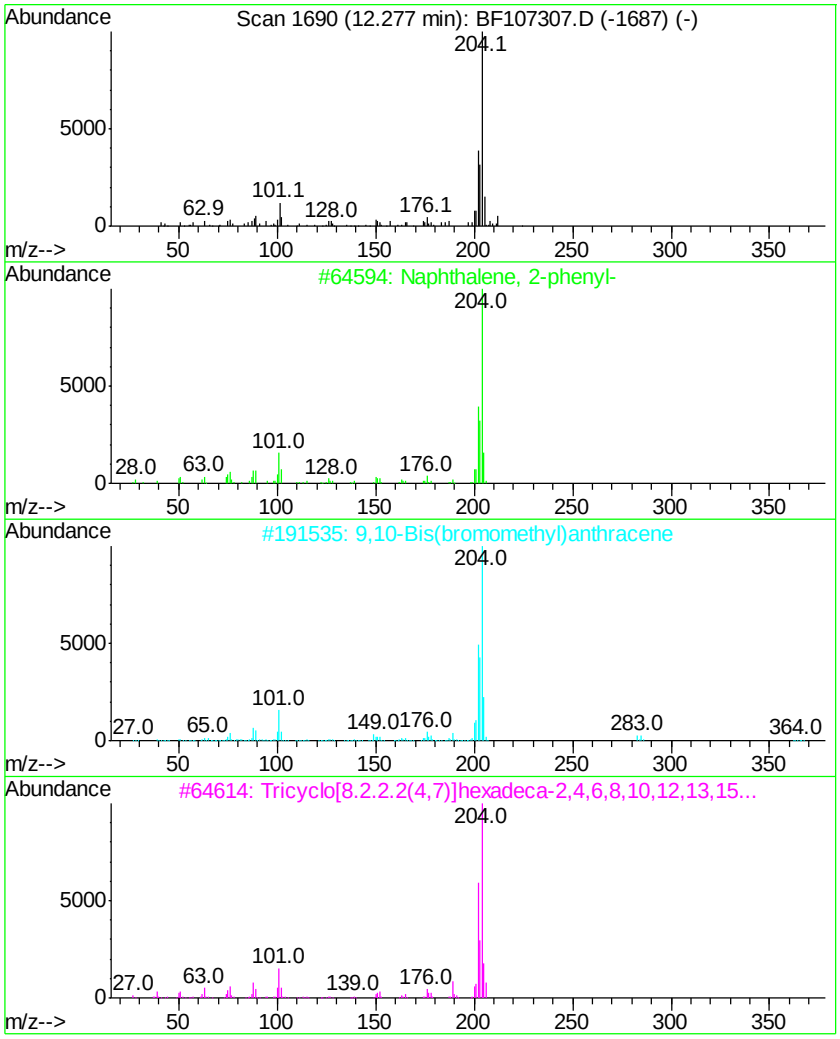
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

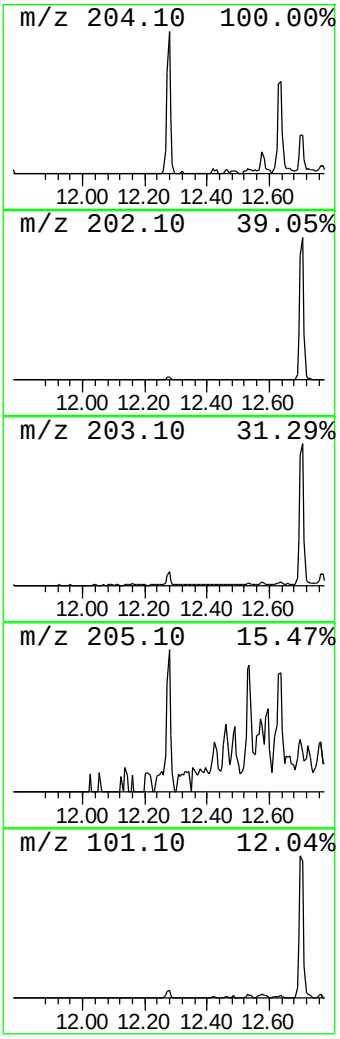
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.03 ng	48317	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

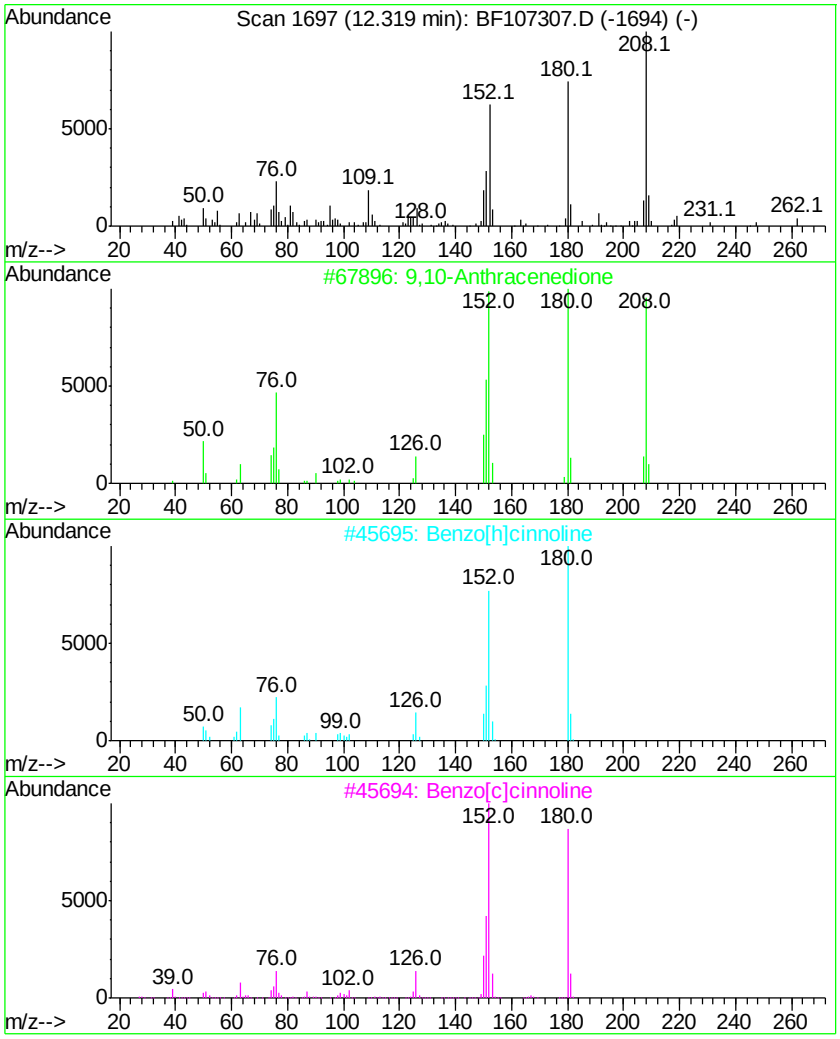
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

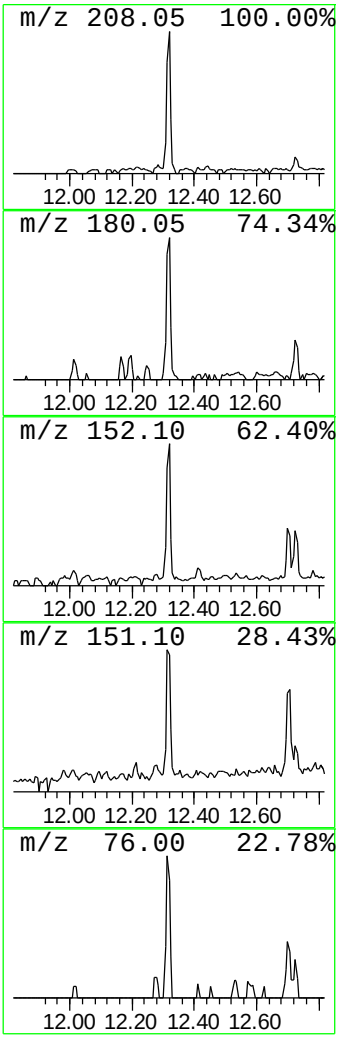
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.45 ng	105717	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	003018-20-0	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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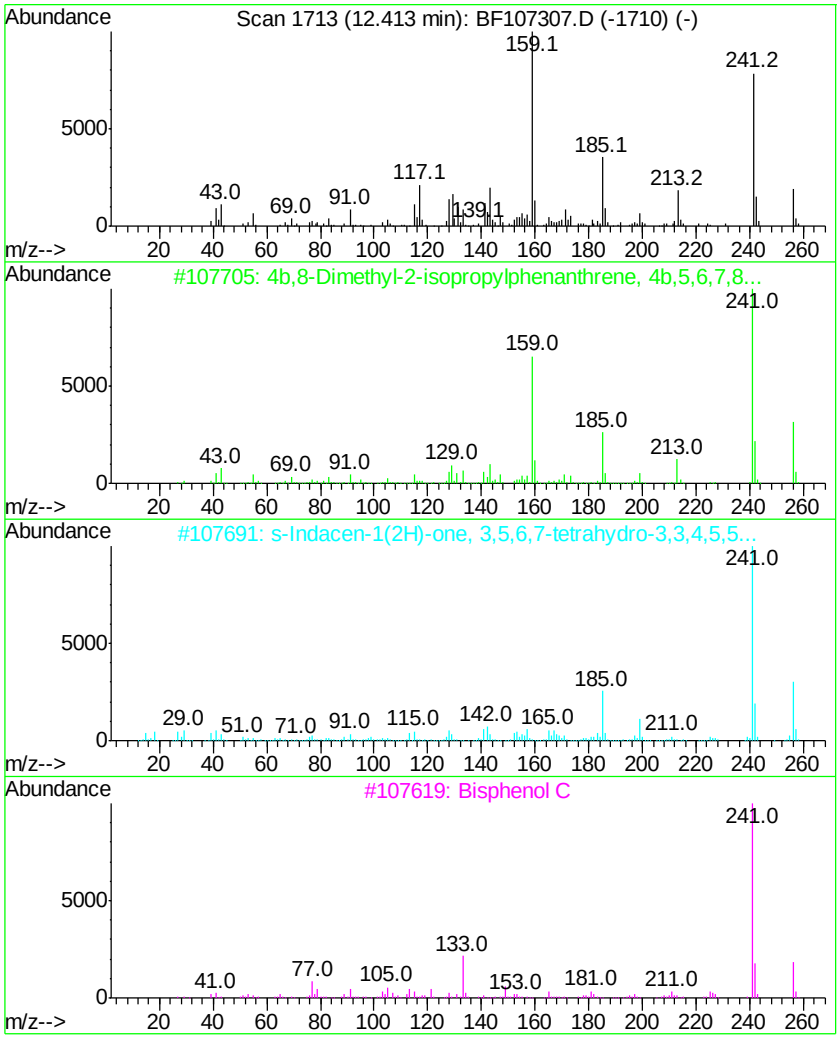
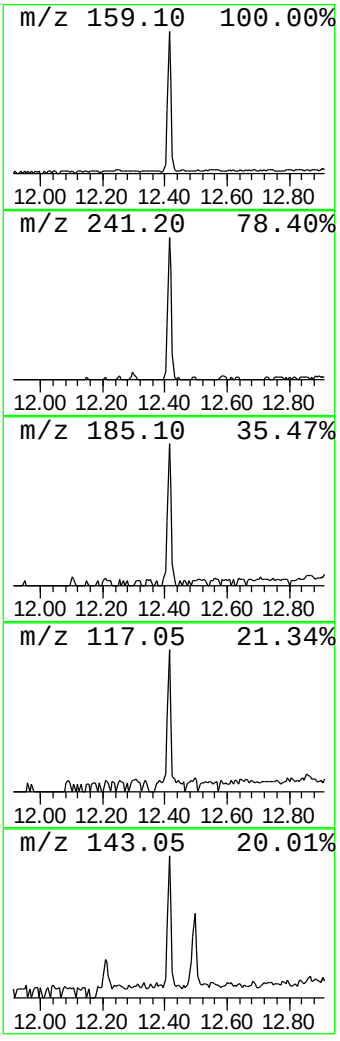
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	5.80 ng	137661	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	94
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	62
3	Bisphenol C	256	C17H20O2	000079-97-0	38
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	35
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35





Library Search Compound Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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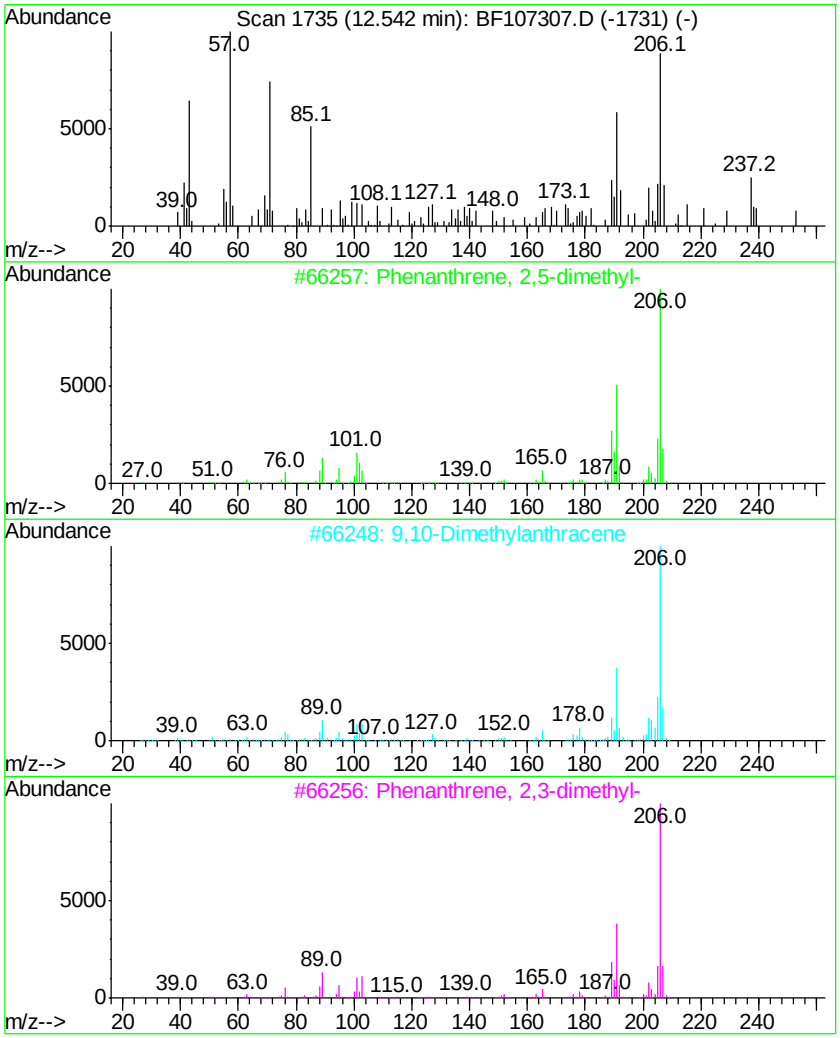
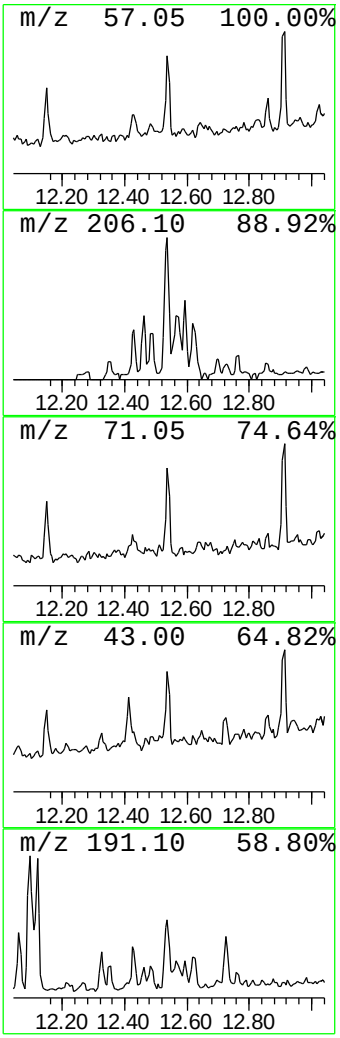
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.00 ng	71337	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	60
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55





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Sample : J3914-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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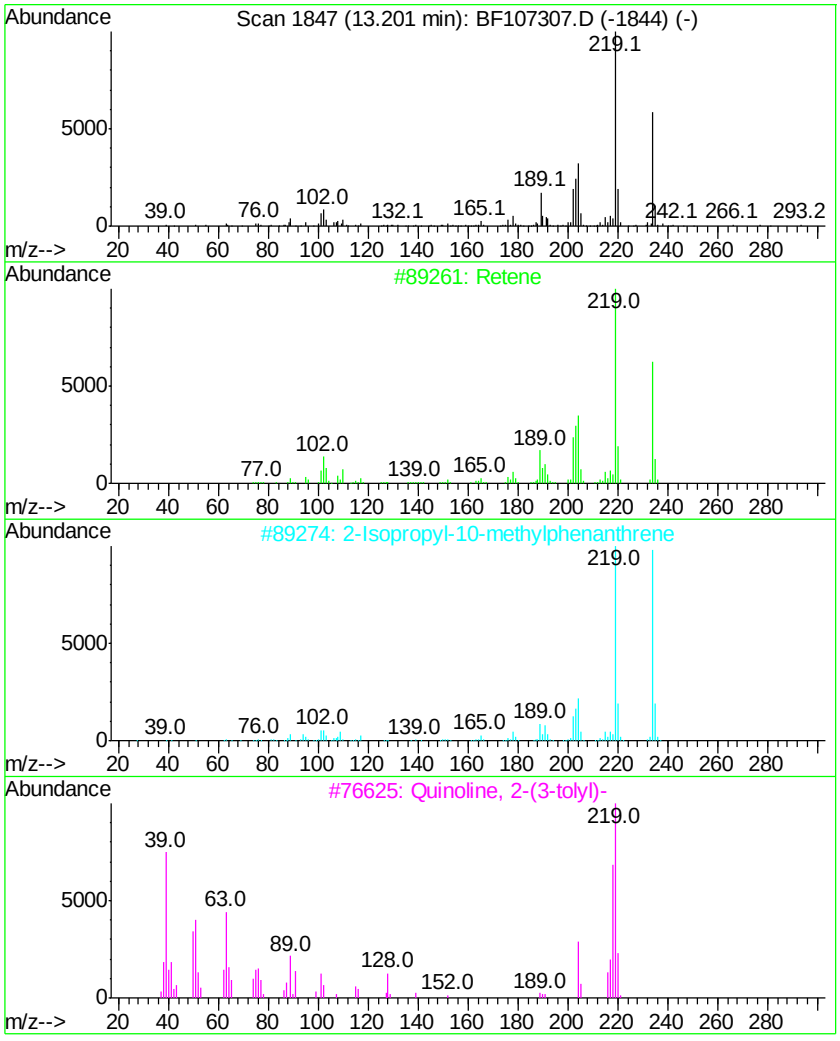
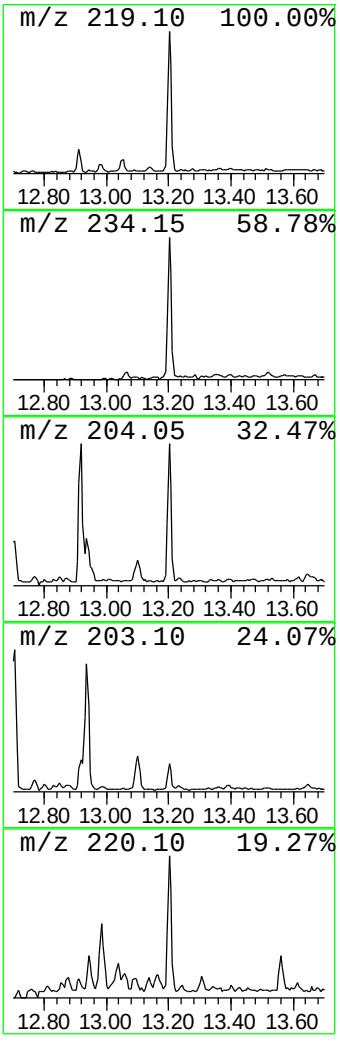
Peak Number 12 Retene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.86 ng	145983	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	95
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Quinoline, 2-(3-tolyl)-	219	C16H13N	024641-30-3	87
4	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	62
5	2,3,5,6-Detetrahydrocyclohexanon...	234	C15H22O2	101100-38-3	53





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Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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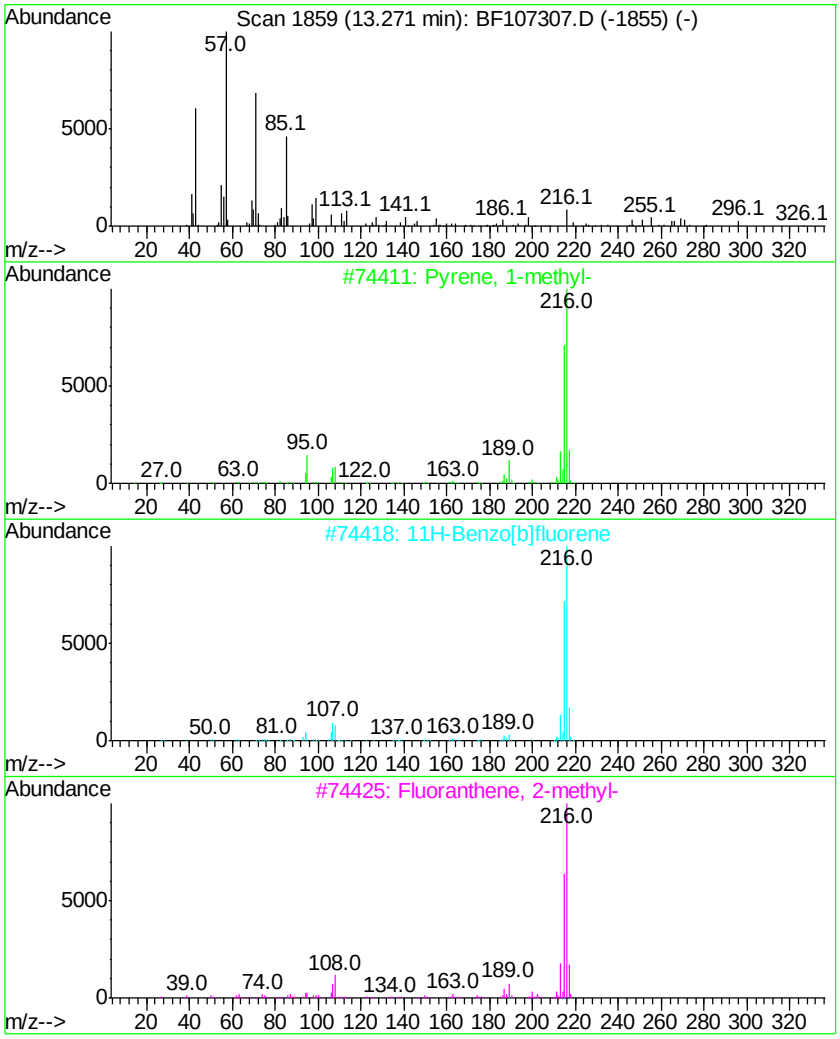
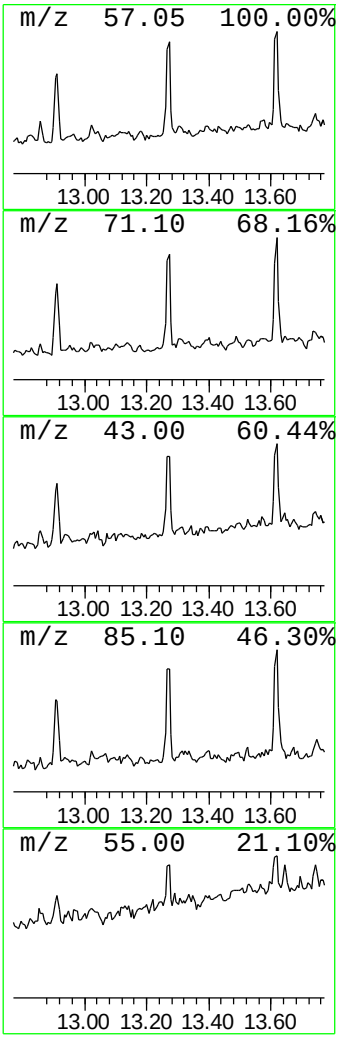
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.85 ng	107845	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	35
5	Benzenamine, 4,4'-thiobis-	216	C12H12N2S	000139-65-1	35





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Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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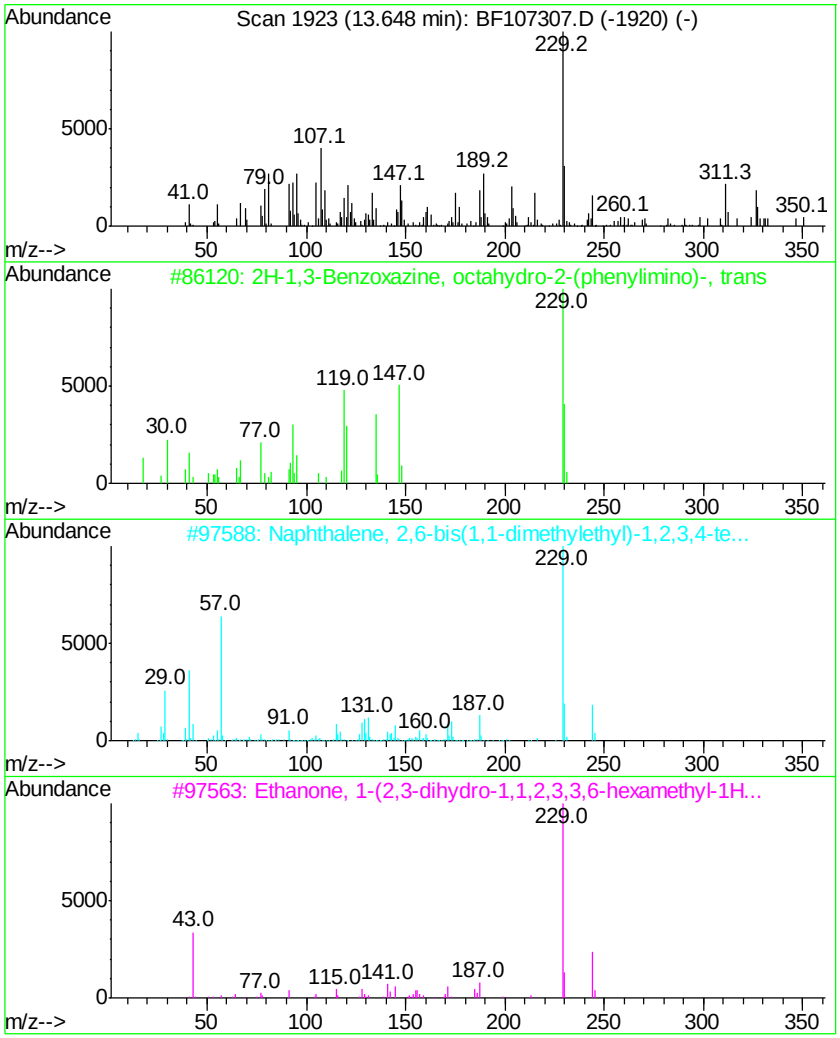
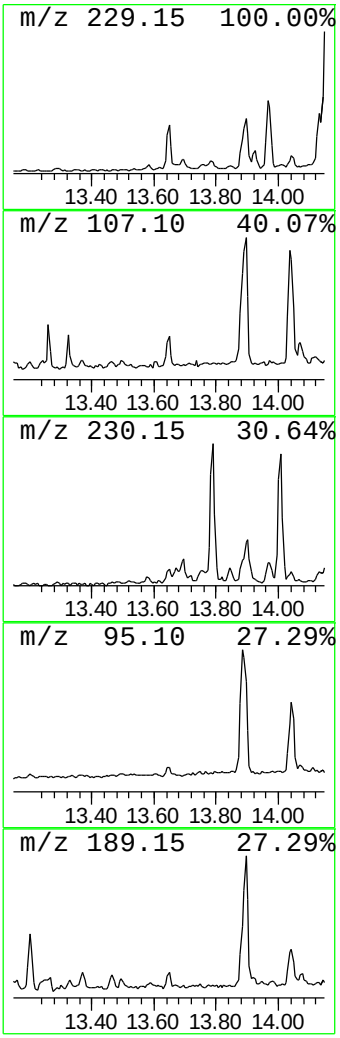
Peak Number 14 unknown13.65 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.59 ng	97753	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,3-Benzoxazine, octahydro-2-...	230	C14H18N2O	1000138-91-8	30
2	Naphthalene, 2,6-bis(1,1-dimethy...	244	C18H28	042981-76-0	27
3	Ethanone, 1-(2,3-dihydro-1,1,2,3...	244	C17H24O	015323-35-0	27
4	5-Amino-2-(1-methylethyl)-1-pent...	271	C15H21N5	1000326-95-8	27
5	5H-1,3,4-Thiadiazolo[3,2-a]pyrim...	229	C7H7N3O2S2	069395-57-9	22





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Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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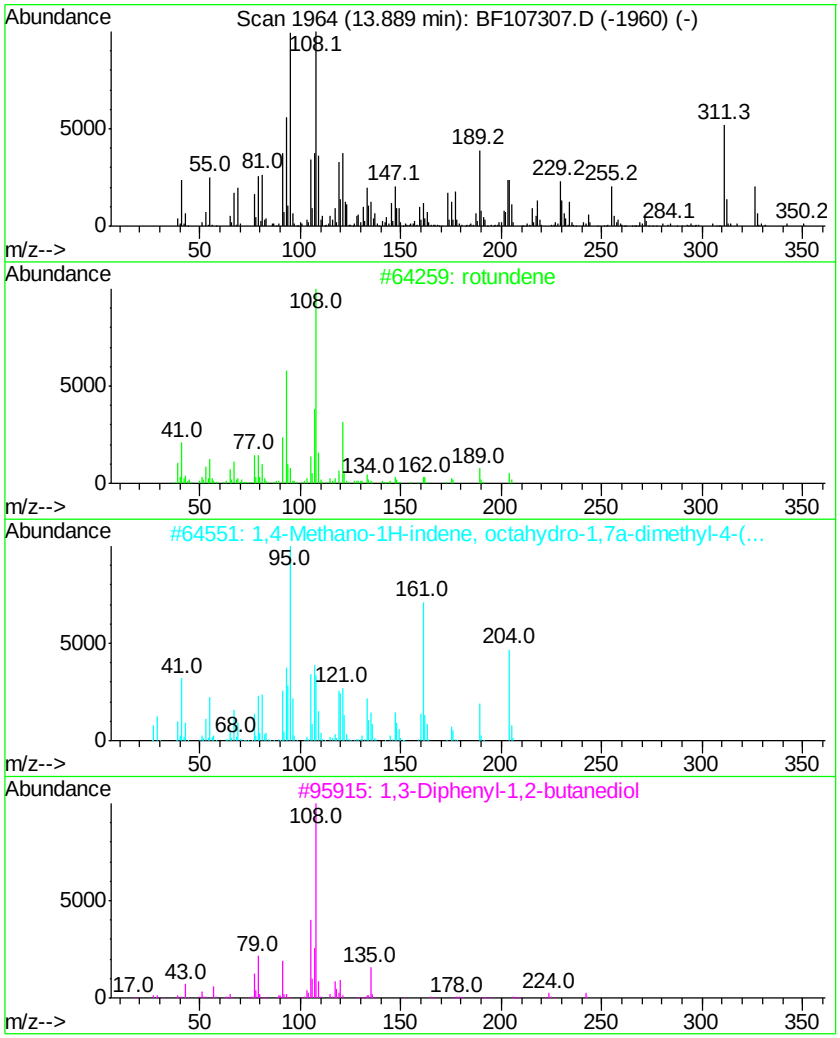
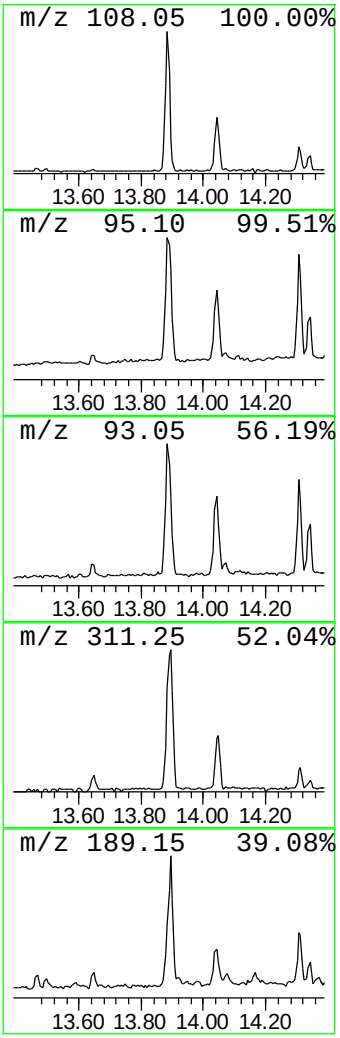
Peak Number 15 unknown13.89 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	17.60 ng	665332	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	rotundene	204	C15H24	1000374-17-0	38
2	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	35
3	1,3-Diphenyl-1,2-butanediol	242	C16H18O2	005381-88-4	25
4	Aciphyllene	204	C15H24	087745-31-1	20
5	(3Ar)-(+)-8,8-dimethyl-4,5,6,7-t...	213	C10H15NO2S	107869-45-4	15





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Sample : J3914-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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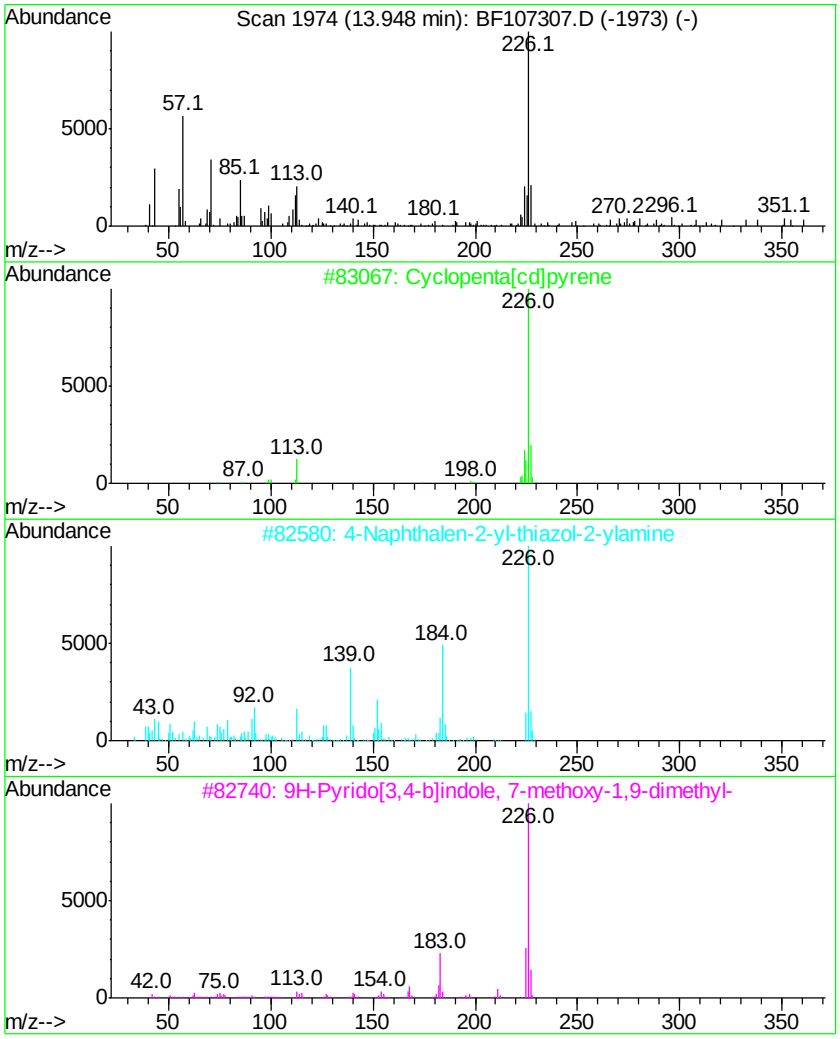
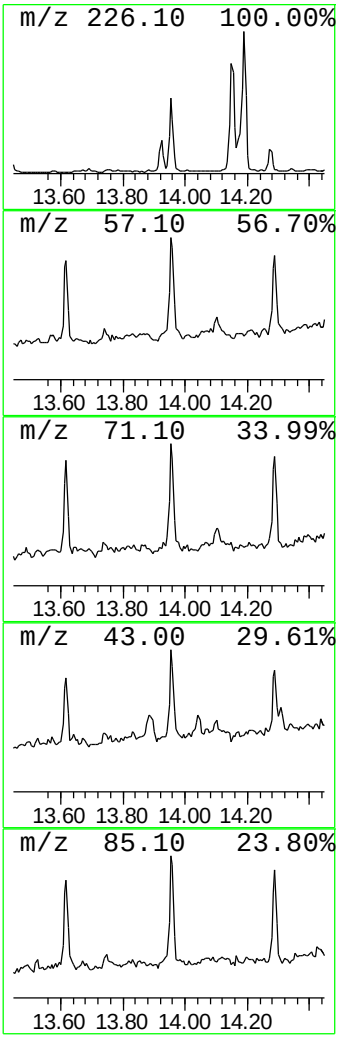
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.86 ng	145947	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	32
3	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	25
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	25
5	L-Valine, N-(2,6-difluoro-3-meth...	439	C25H39F2NO3	1000346-45-1	25





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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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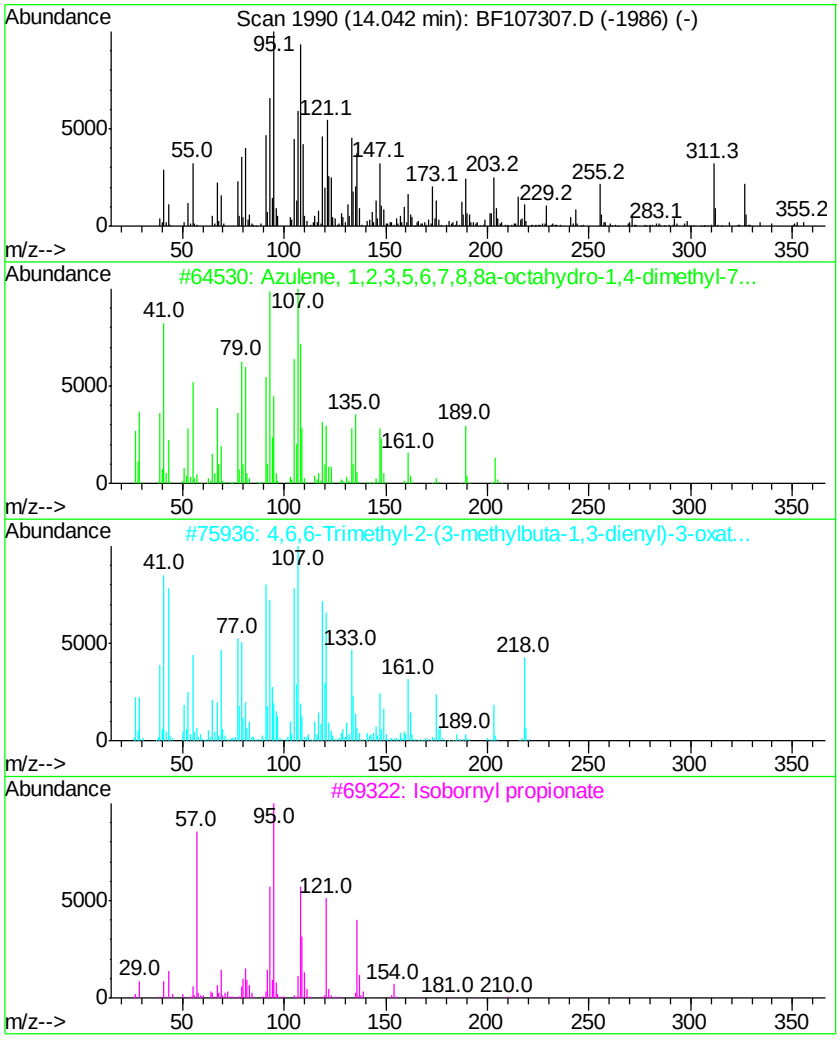
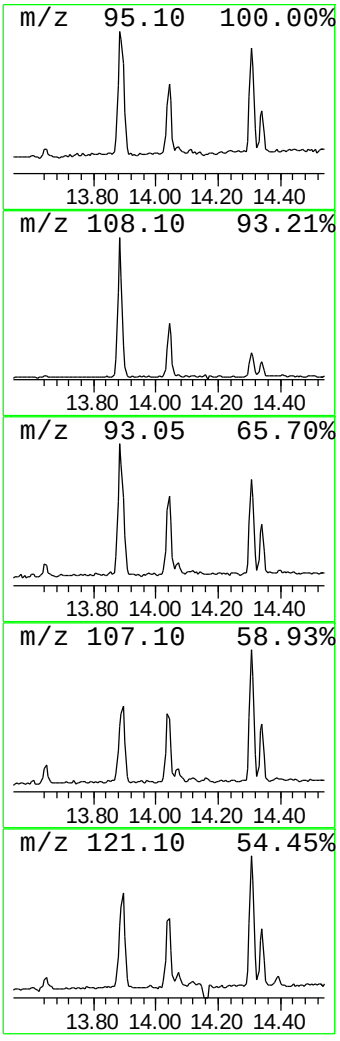
Peak Number 17 unknown14.04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	9.33 ng	352481	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 1,2,3,5,6,7,8,8a-octahv...	204	C15H24	003691-11-0	25
2	4,6,6-Trimethyl-2-(3-methylbuta-...	218	C15H22O	1000190-22-2	25
3	Isobornyl propionate	210	C13H22O2	002756-56-1	22
4	Benzene, 1-ethoxy-2-methyl-	136	C9H12O	000614-71-1	18
5	(2-Methyl-cyclohex-2-enylidene)-...	136	C9H12O	1000186-03-1	18





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Misc :
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ClientSampleId : B1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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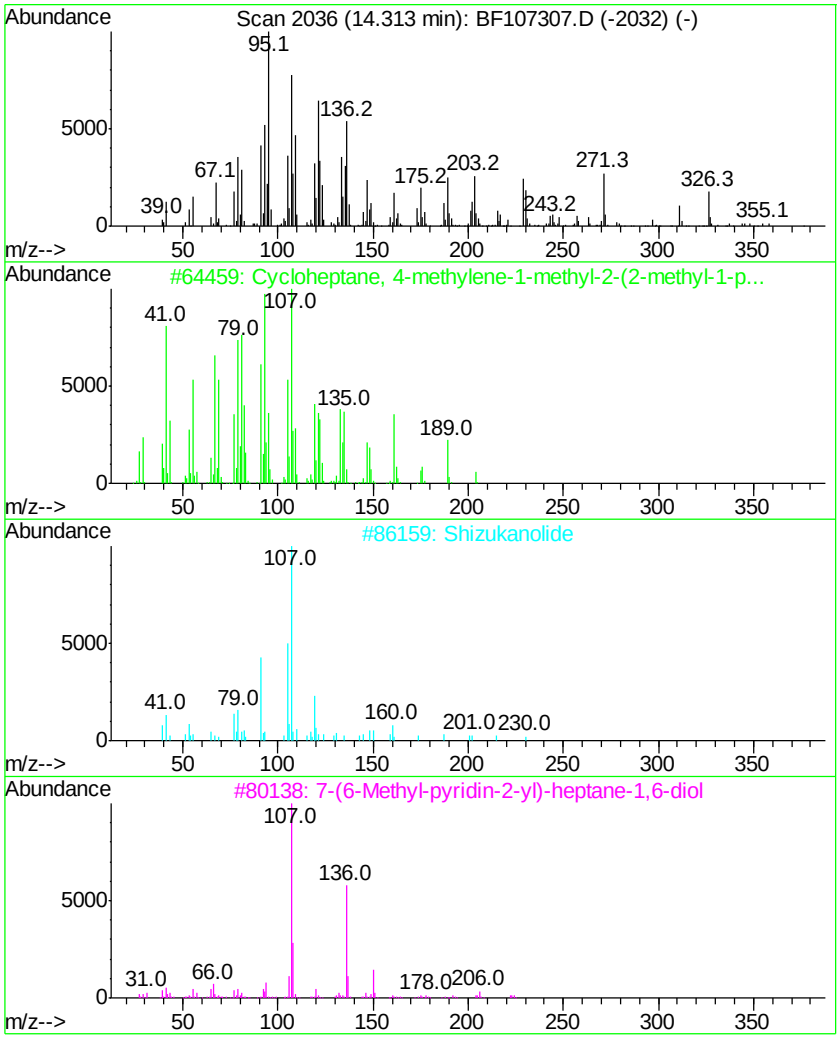
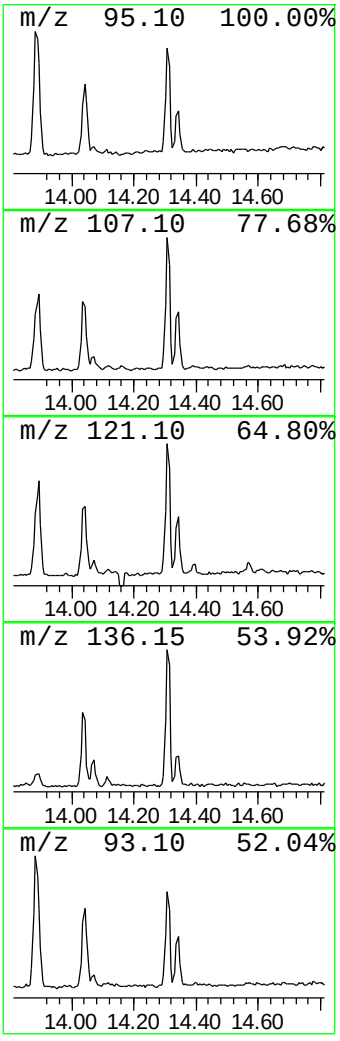
Peak Number 18 unknown14.31 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	8.52 ng	322043	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	30
2	Shizukanolide	230	C15H18O2	070578-36-8	25
3	7-(6-Methyl-pyridin-2-yl)-heptan...	223	C13H21NO2	1000187-76-9	22
4	cis-2-(2-Pentenyl)furan	136	C9H12O	070424-13-4	22
5	1(2H)-Naphthalenone, 2-furfuryli...	230	C15H18O2	017429-47-9	18





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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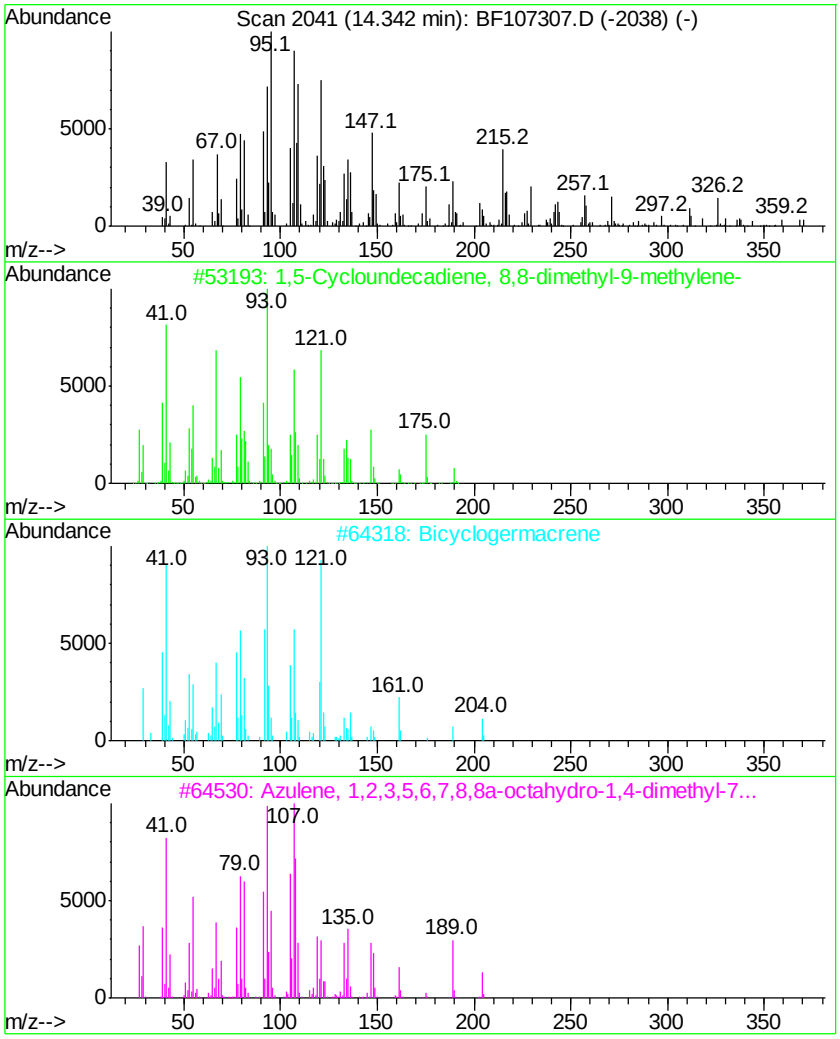
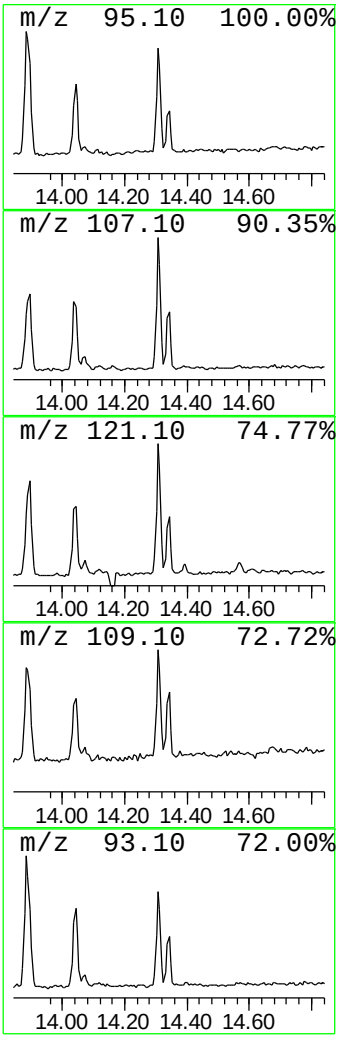
Peak Number 19 unknown14.34 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	4.85 ng	183415	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cycloundecadiene, 8,8-dimeth...	190	C14H22	062338-54-9	38
2	Bicyclogermacrene	204	C15H24	067650-90-2	15
3	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	15
4	1,6-Dimethylhepta-1,3,5-triene	122	C9H14	1000196-61-0	11
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	11





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TIC Library : C:\DATABASE\NIST11.L
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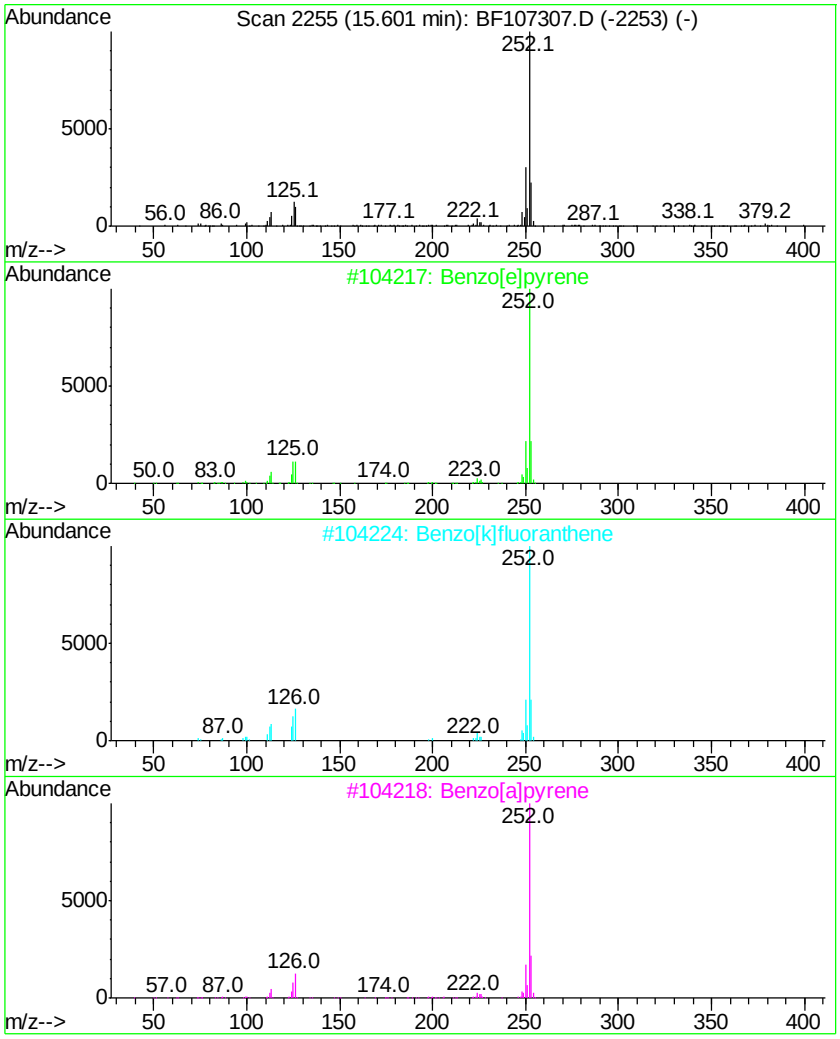
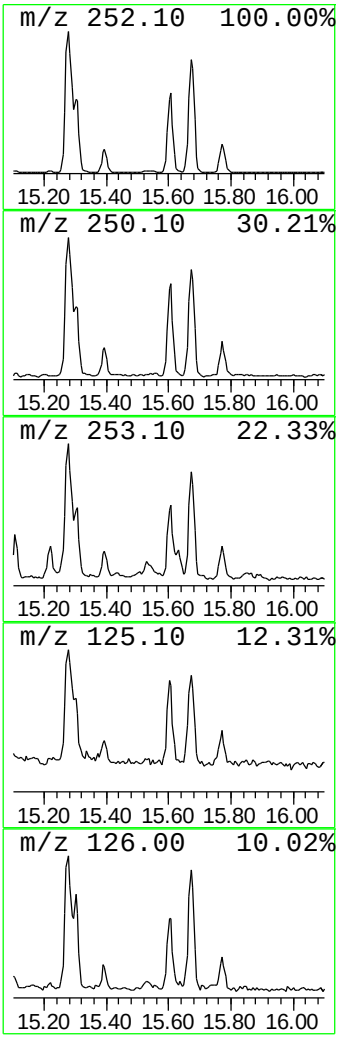
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	12.70 ng	155068	Perylene-d12	15.74

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
Data File : BF107307.D
Acq On : 11 Jul 2018 18:26
Operator : JU/SJ
Sample : J3914-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
2-Pentanone, 4-hy...	5.15	4.6	ng	83788	1	6.93	361918	20.0
unknown6.71	6.71	34.7	ng	627881	1	6.93	361918	20.0
Phenanthrene, 1-m...	11.98	2.1	ng	49690	4	11.48	475021	20.0
Anthracene, 1-met...	12.01	3.1	ng	73800	4	11.48	475021	20.0
4H-Cyclopenta[def...	12.10	4.1	ng	96908	4	11.48	475021	20.0
unknown12.21	12.21	2.4	ng	57686	4	11.48	475021	20.0
Naphthalene, 2-ph...	12.28	2.0	ng	48317	4	11.48	475021	20.0
9,10-Anthracenedione	12.32	4.5	ng	105717	4	11.48	475021	20.0
4b,8-Dimethyl-2-i...	12.41	5.8	ng	137661	4	11.48	475021	20.0
Phenanthrene, 2,5...	12.54	3.0	ng	71337	4	11.48	475021	20.0
Retene	13.20	3.9	ng	145983	5	14.16	755956	20.0
Pyrene, 1-methyl-	13.27	2.9	ng	107845	5	14.16	755956	20.0
unknown13.65	13.65	2.6	ng	97753	5	14.16	755956	20.0
unknown13.89	13.89	17.6	ng	665332	5	14.16	755956	20.0
Cyclopenta[cd]pyrene	13.95	3.9	ng	145947	5	14.16	755956	20.0
unknown14.04	14.04	9.3	ng	352481	5	14.16	755956	20.0
unknown14.31	14.31	8.5	ng	322043	5	14.16	755956	20.0
unknown14.34	14.34	4.8	ng	183415	5	14.16	755956	20.0
Benzo[e]pyrene	15.60	12.7	ng	155068	6	15.74	244289	20.0