LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

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:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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	4.346	381	384	408	rBV	496786	724144	21.21%	2.006%
2	4.993	489	494	518	rBV	821557	1458527	42.71%	4.040%
3	5.398	560	563	601	rBV	1661037	2255305	66.05%	6.247%
4	6.422	733	737	754	rBV	2152416	2727852	79.89%	7.556%
5	6.545	754	758	772	rVB	2342182	2513387	73.61%	6.962%
6	6.763	792	795	806	rVB	539374	515992	15.11%	1.429%
7	6.922	818	822	833	rBV	2234060	2378877	69.67%	6.589%
8	7.340	889	893	913	rBV	1705671	1833070	53.68%	5.078%
9	8.045	1010	1013	1032	rBV	749773	707553	20.72%	1.960%
10	9.122	1191	1196	1199	rBV	3399582	3414637	100.00%	9.458%
11	9.516	1261	1263	1271	rVB	248740	194467	5.70%	0.539%
12	9.775	1303	1307	1308	rBV	148918	116111	3.40%	0.322%
13	9.798	1308	1311	1315	rVV	861018	778532	22.80%	2.157%
14	9.833	1315	1317	1326	rVB	48252	52646	1.54%	0.146%
15	9.969	1333	1340	1343	rBV2	73194	71178	2.08%	0.197%
16	10.051	1350	1354	1358	rVB	78775	77487	2.27%	0.215%
17	10.357	1398	1406	1411	rBV3	34997	45641	1.34%	0.126%
18	10.416	1411	1416	1418	rBV	34092	41359	1.21%	0.115%
19	10.510	1430	1432	1436	rVB	101763	83235	2.44%	0.231%
20	10.592	1443	1446	1457	rBV	811537	797770	23.36%	2.210%
21	10.904	1491	1499	1501	rBV2	33690	54793	1.60%	0.152%
22	11.192	1545	1548	1554	rVB	80159	78238	2.29%	0.217%
23	11.292	1561	1565	1567	rBV	776522	770071	22.55%	2.133%
24	11.316	1567	1569	1576	rVV	998738	855180	25.04%	2.369%
25	11.375	1576	1579	1587	rVB	186029	212035	6.21%	0.587%
26	11.575	1611	1613	1616	rVB	59717	50639	1.48%	0.140%
27	11.627	1616	1622	1624	rBV	82337	99797	2.92%	0.276%
28	11.710	1632	1636	1642	rBV2	50818	72716	2.13%	0.201%
29	11.763	1642	1645	1647	rBV3	37384	36613	1.07%	0.101%
30	11.792	1647	1650	1653	rVV	304668	286869	8.40%	0.795%
31	11.822	1653	1655	1661	rVV	353943	305531	8.95%	0.846%
32	11.875	1661	1664	1666	rVV	112333	93856	2.75%	0.260%
33	11.904	1666	1669	1671	rVV2	352444	383620	11.23%	1.063%
34	11.927	1671	1673	1677	rVB	246561	223832	6.56%	0.620%

LSC Area Percent Report

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Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

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:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.086	1697	1700	1702	rBV	197503	161318	4.72%	0.447%
36	12.139	1707	1709	1715	rVB2	139920	171789	5.03%	0.476%
37	12.233	1720	1725	1728	rVV2	85270	92767	2.72%	0.257%
38	12.269	1728	1731	1733	rVV	70141	58964	1.73%	0.163%
39	12.298	1733	1736	1739	rVB3	48129	47399	1.39%	0.131%
40	12.345	1740	1744	1746	rBV	201889	217295	6.36%	0.602%
41	12.386	1746	1751	1752	rVV3	100463	157940	4.63%	0.437%
42	12.427	1756	1758	1760	rVV	76193	90109	2.64%	0.250%
43	12.451	1760	1762	1767	rVV	184070	194495	5.70%	0.539%
44	12.510	1768	1772	1776	rVV	1093942	1071363	31.38%	2.968%
45	12.545	1776	1778	1780	rVV	76858	69077	2.02%	0.191%
46	12.569	1780	1782	1787	rVV3	83130	87606	2.57%	0.243%
47	12.616	1787	1790	1794	rVB3	43799	62409	1.83%	0.173%
48	12.669	1795	1799	1804	rBV4	88521	122572	3.59%	0.340%
49	12.739	1805	1811	1816	rBV	1400179	1409600	41.28%	3.905%
50	12.792	1818	1820	1824	rVB	49026	53684	1.57%	0.149%
51	12.874	1829	1834	1837	rBV	2280389	2363391	69.21%	6.547%
52	12.963	1845	1849	1853	rVB2	106252	166453	4.87%	0.461%
53	13.045	1860	1863	1865	rBV2	94361	119590	3.50%	0.331%
54	13.069	1865	1867	1871	rVB2	154380	171741	5.03%	0.476%
55	13.133	1876	1878	1881	rVB	59069	50447	1.48%	0.140%
56	13.174	1882	1885	1889	rBV	195053	212097	6.21%	0.588%
57	13.269	1898	1901	1904	rBV	175850	177172	5.19%	0.491%
58	13.298	1904	1906	1915	rVB	183274	228646	6.70%	0.633%
59	13.598	1955	1957	1962	rVB	134149	135715	3.97%	0.376%
60	13.710	1971	1976	1979	rVB2	173959	209410	6.13%	0.580%
61	13.745	1979	1982	1985	rBV2	139881	169120	4.95%	0.468%
62	13.810	1991	1993	1996	rVB	106425	94153	2.76%	0.261%
63	13.933	2010	2014	2018	rBV2	662660	977600	28.63%	2.708%
64	13.969	2018	2020	2026	rVB	508424	473956	13.88%	1.313%
65	14.333	2079	2082	2086	rVB	131407	135120	3.96%	0.374%
66	14.463	2101	2104	2108	rBV3	114181	181448	5.31%	0.503%
67	14.980	2189	2192	2195	rBV	318354	379922	11.13%	1.052%
68	15.280	2240	2243	2250	rVB	260769	341514	10.00%	0.946%
69	15.345	2250	2254	2259	rVB	309964	405139	11.86%	1.122%
70	15.398	2260	2263	2268	rBV2	377287	532552	15.60%	1.475%
71	16.874	2511	2514	2522	rBV2	95704	196172	5.75%	0.543%

LSC Area Percent Report

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Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

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:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 36101305

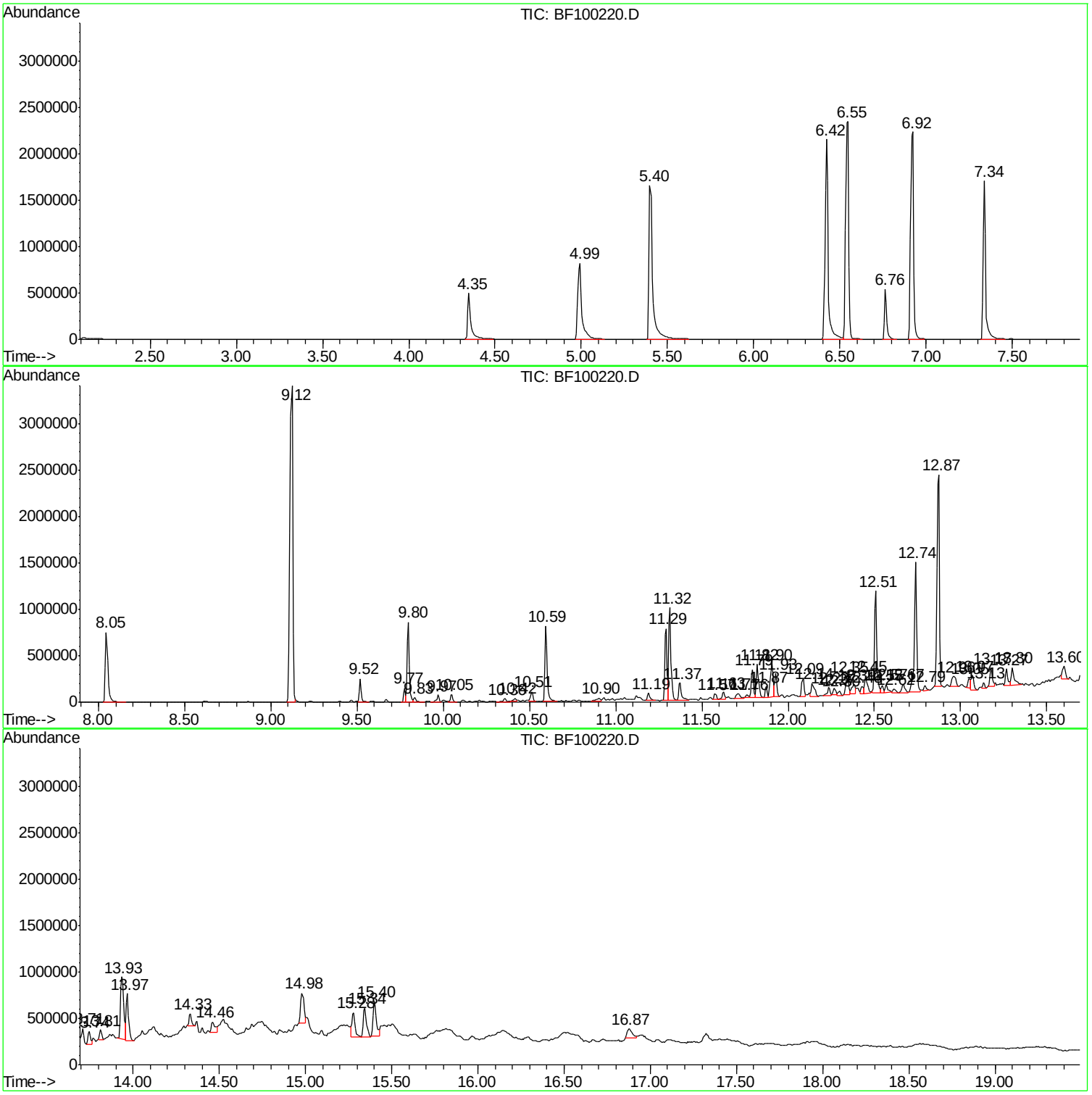
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

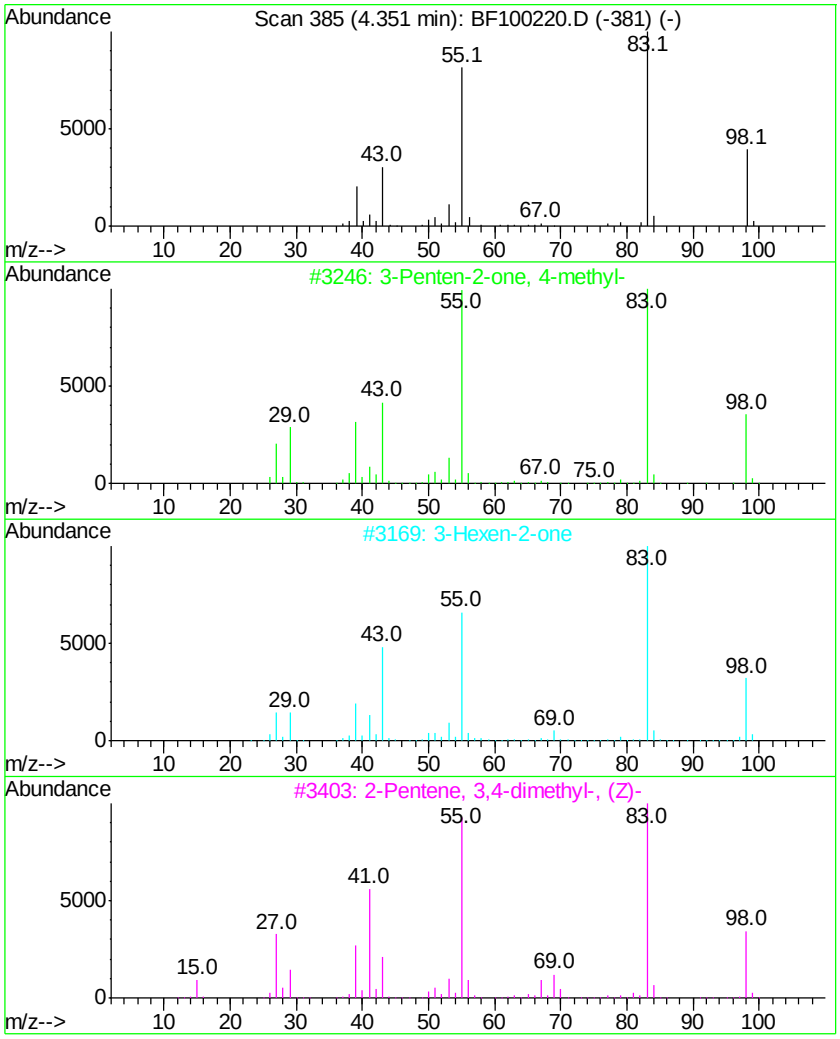
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

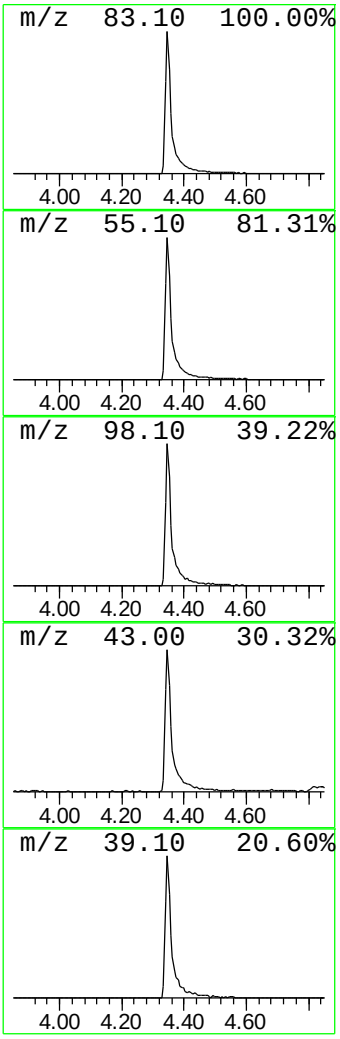
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.35	28.07 ng	724144	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

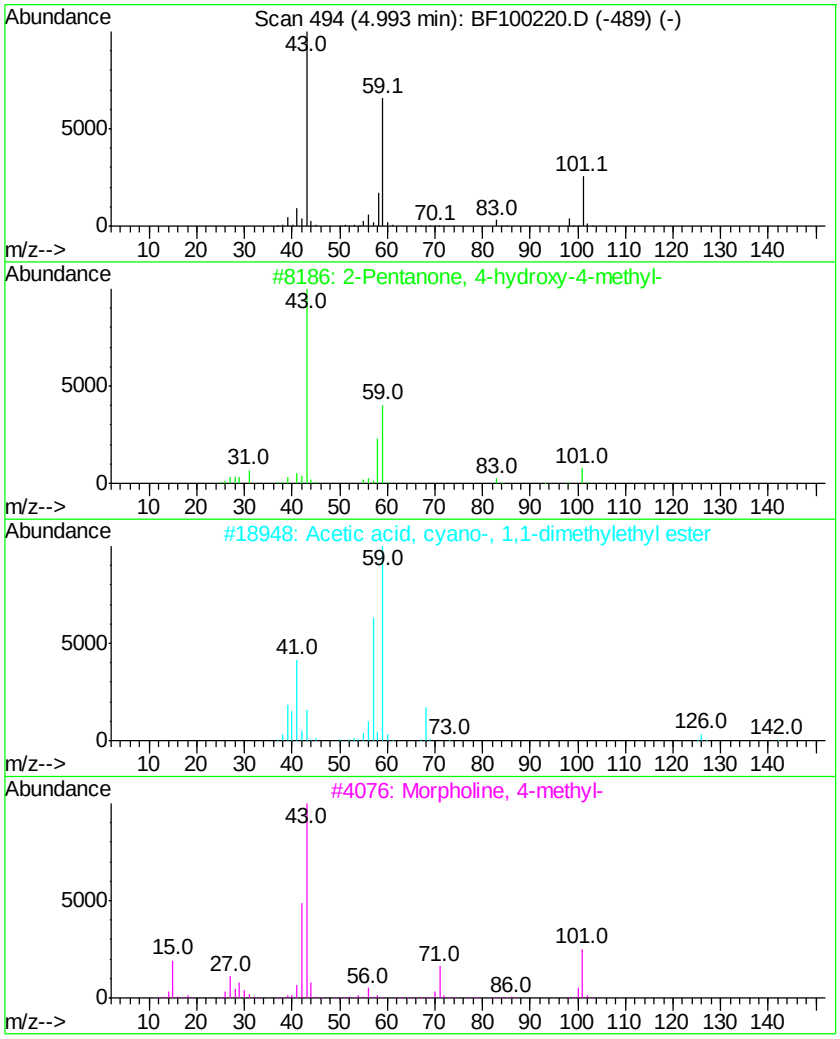
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

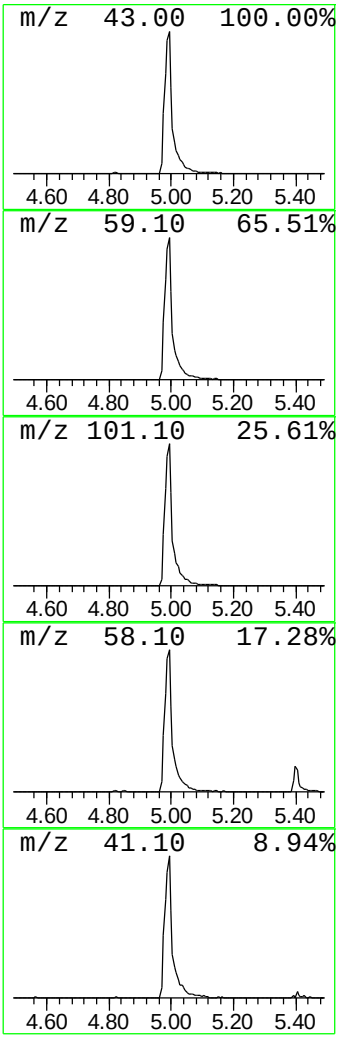
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	56.53 ng	1458530	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

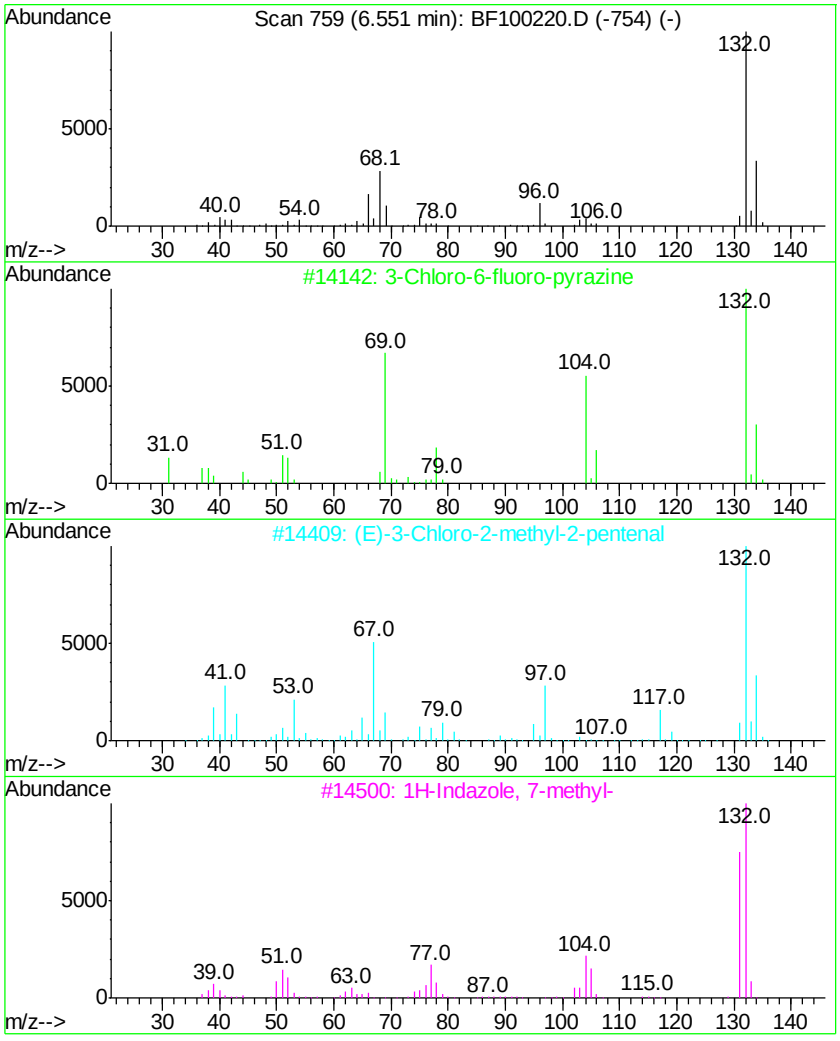
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

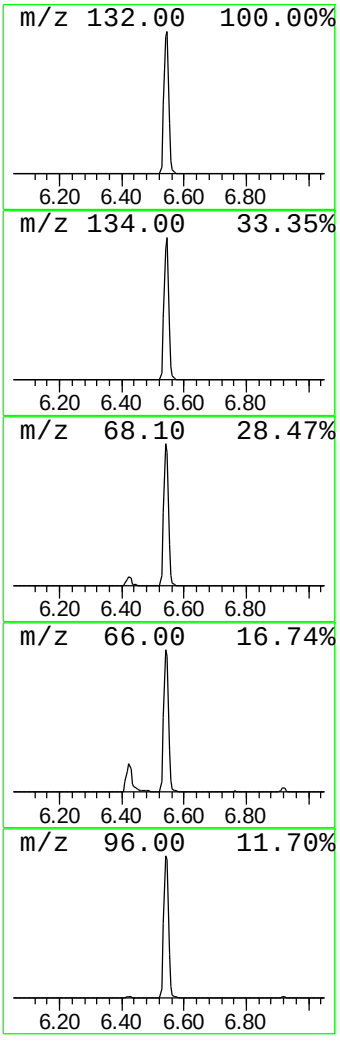
****

Peak Number 3 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	97.42 ng	2513390	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

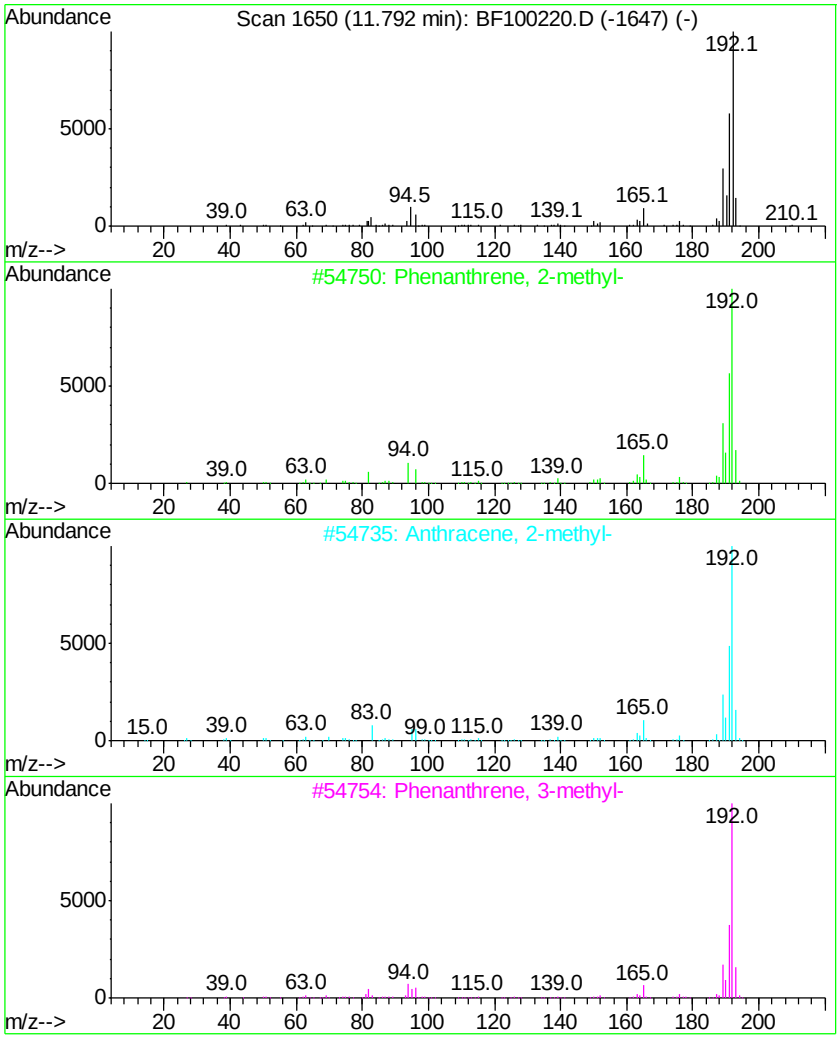
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

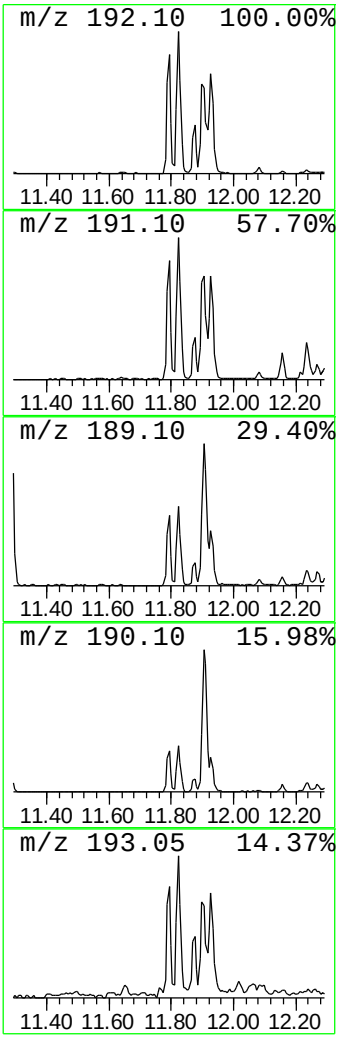
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	7.45 ng	286869	Phenanthrene-d10	11.29

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	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

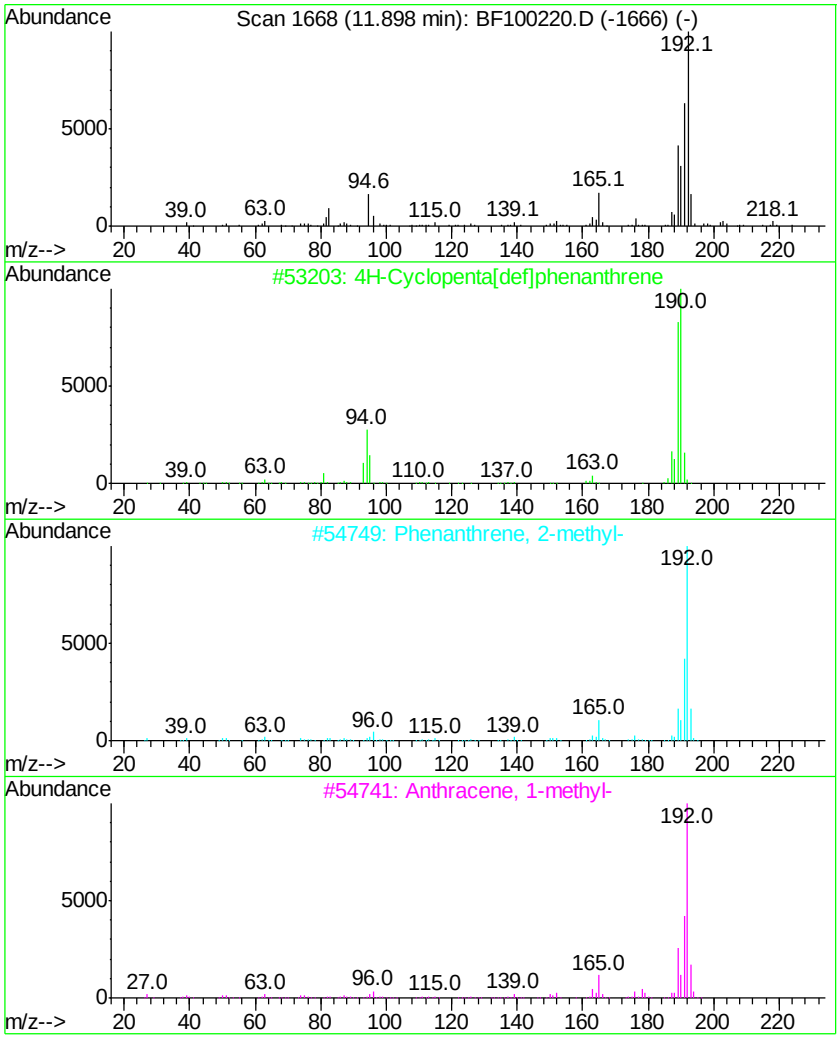
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

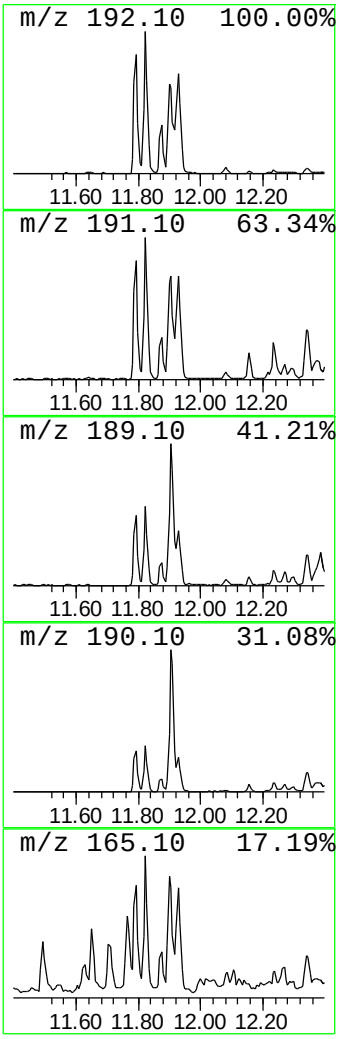
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	9.96 ng	383620	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

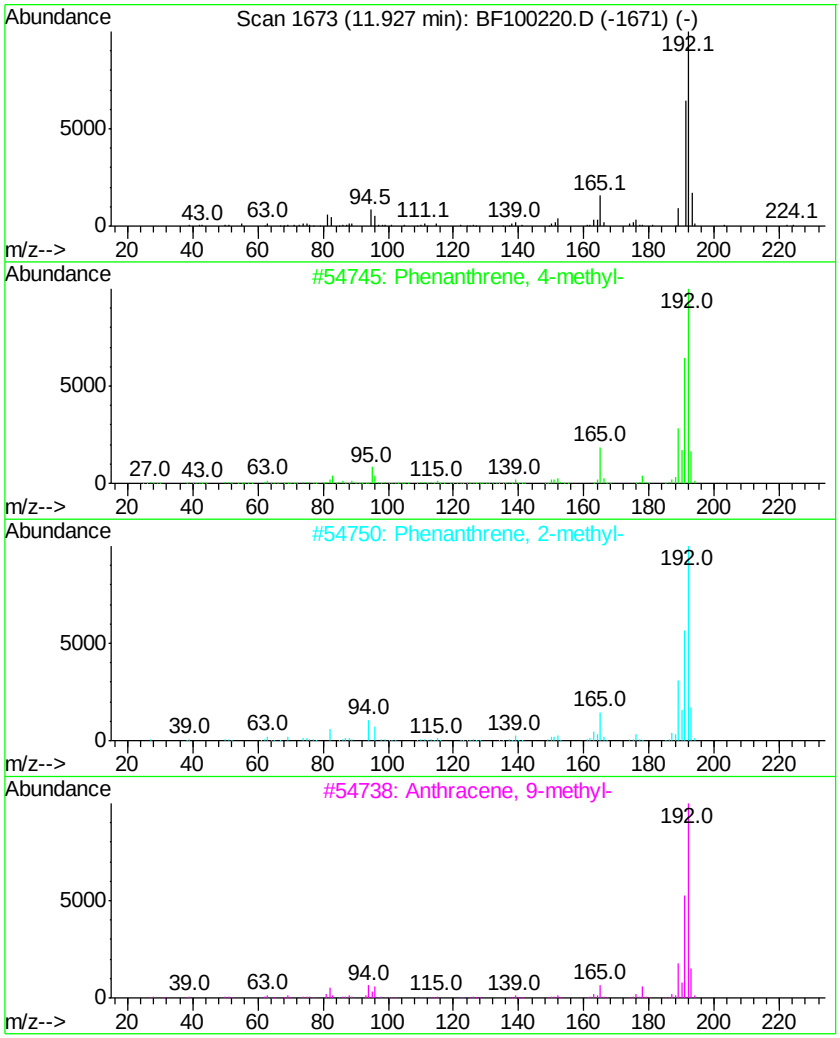
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

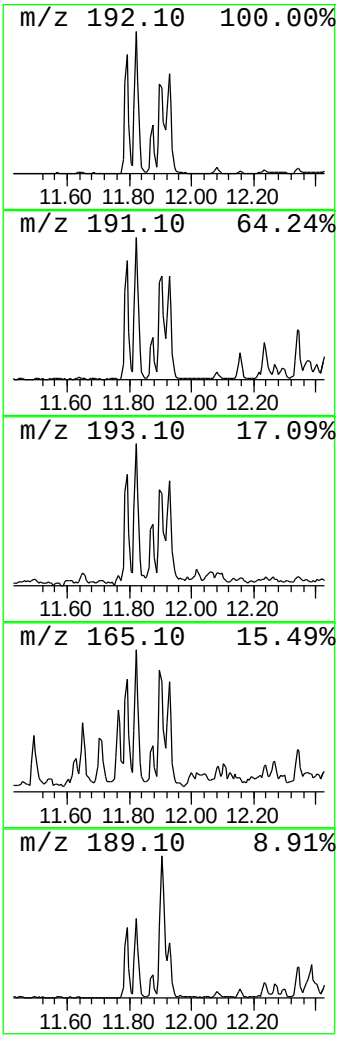
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.81 ng	223832	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

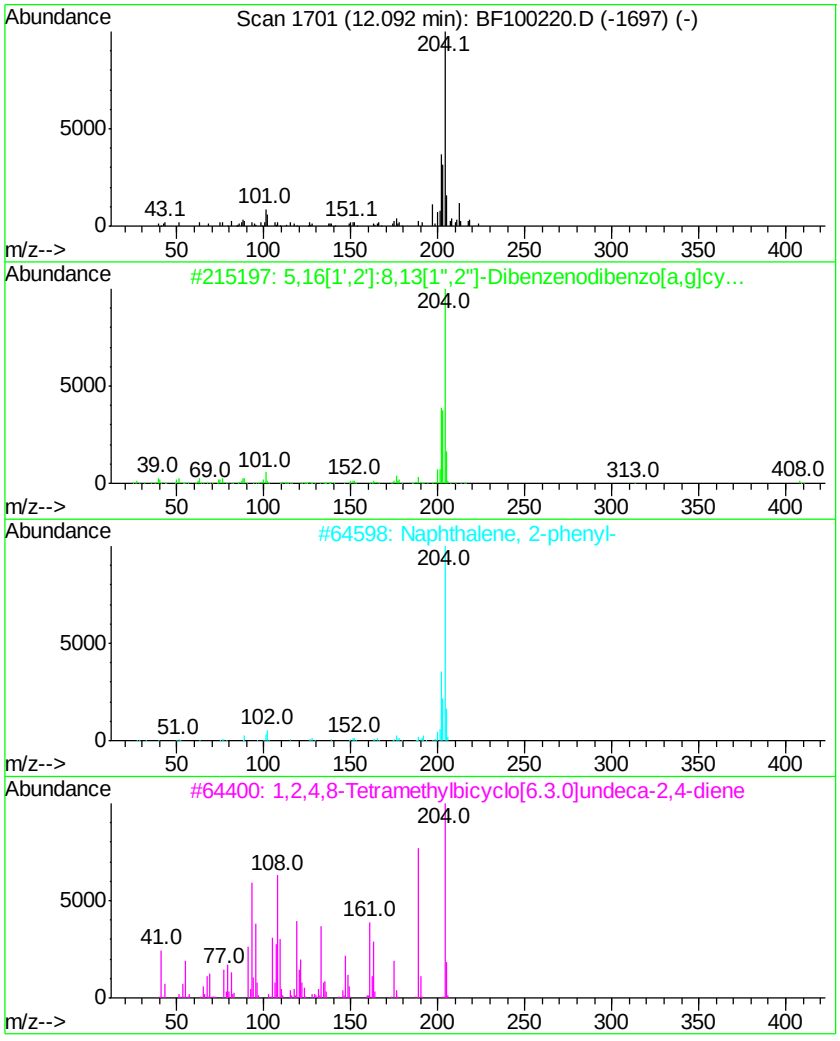
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

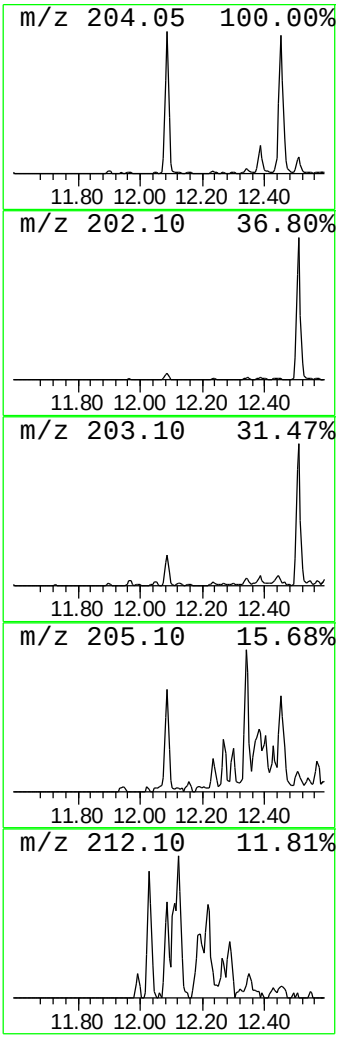
****

Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.19 ng	161318	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

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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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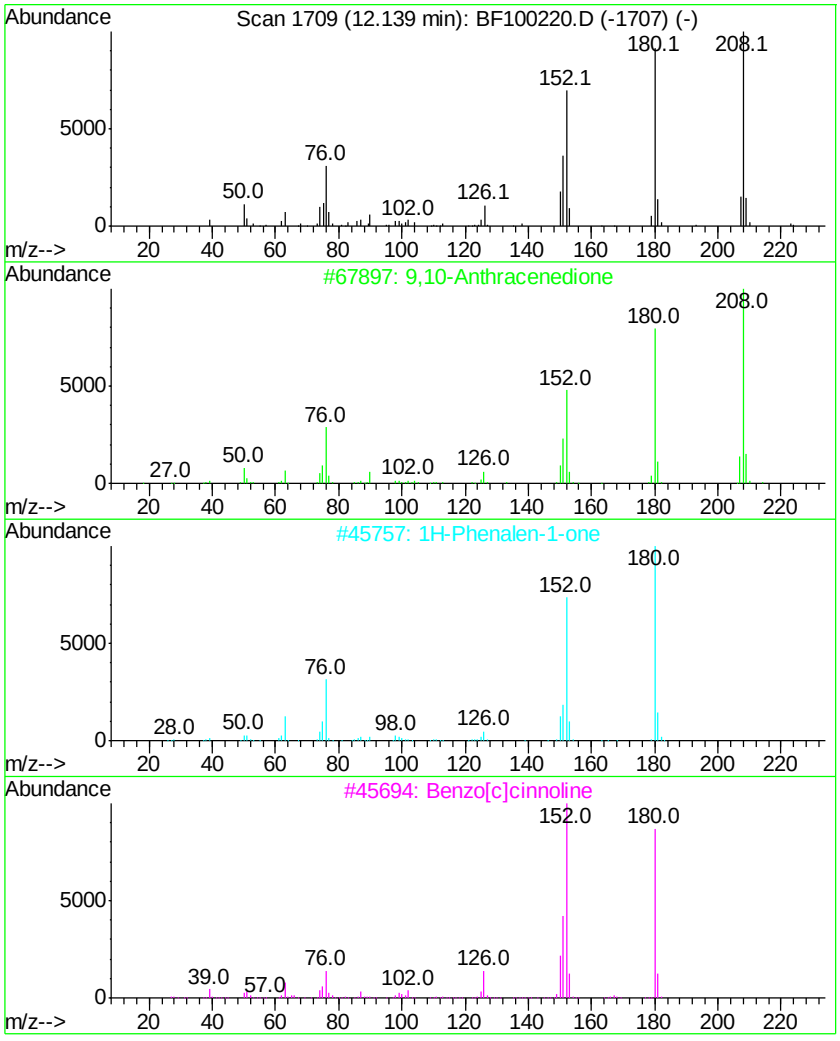
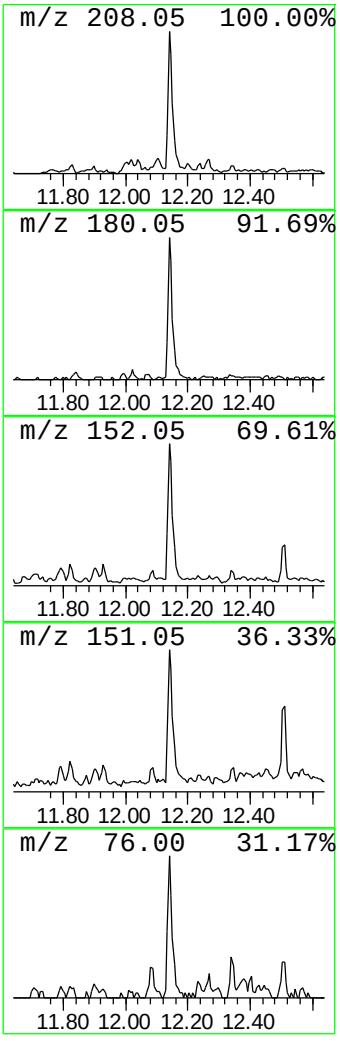
Peak Number 9 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.46 ng	171789	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52





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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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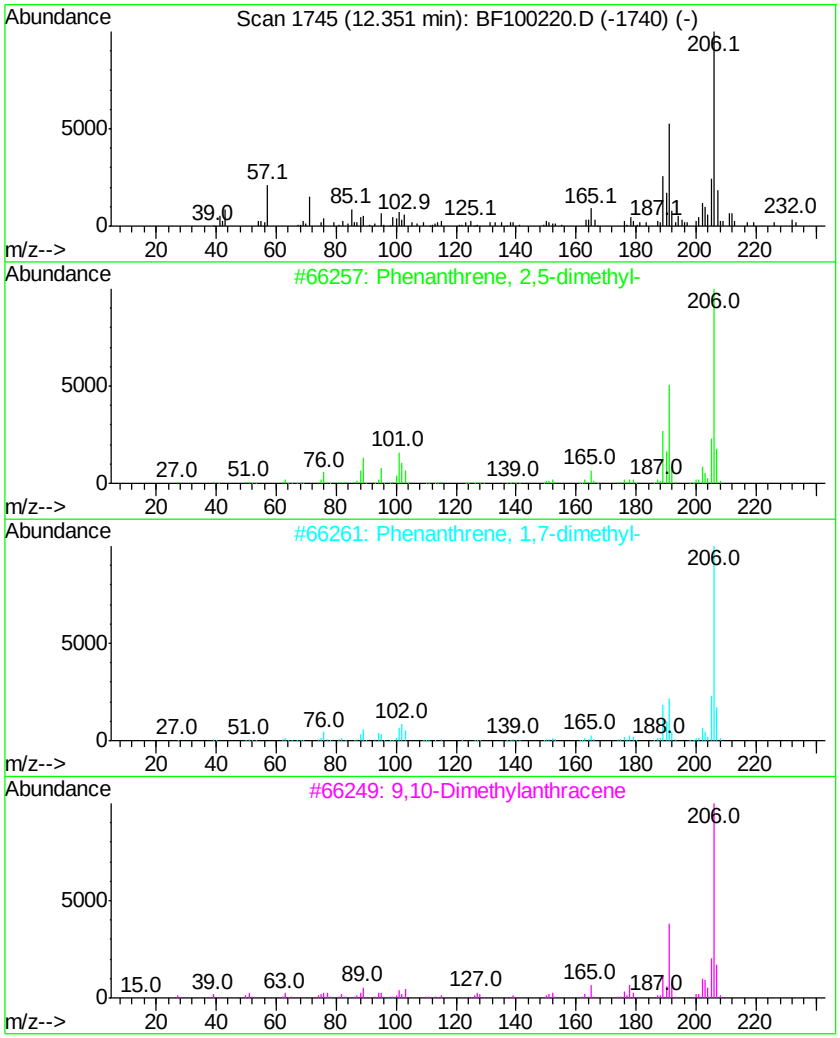
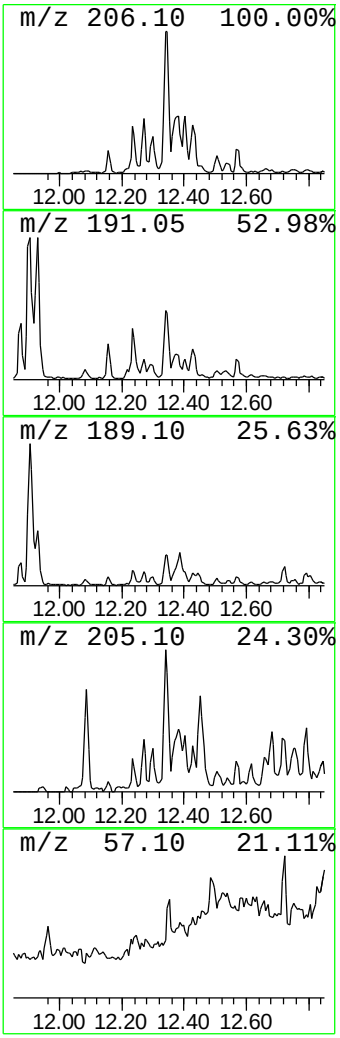
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.64 ng	217295	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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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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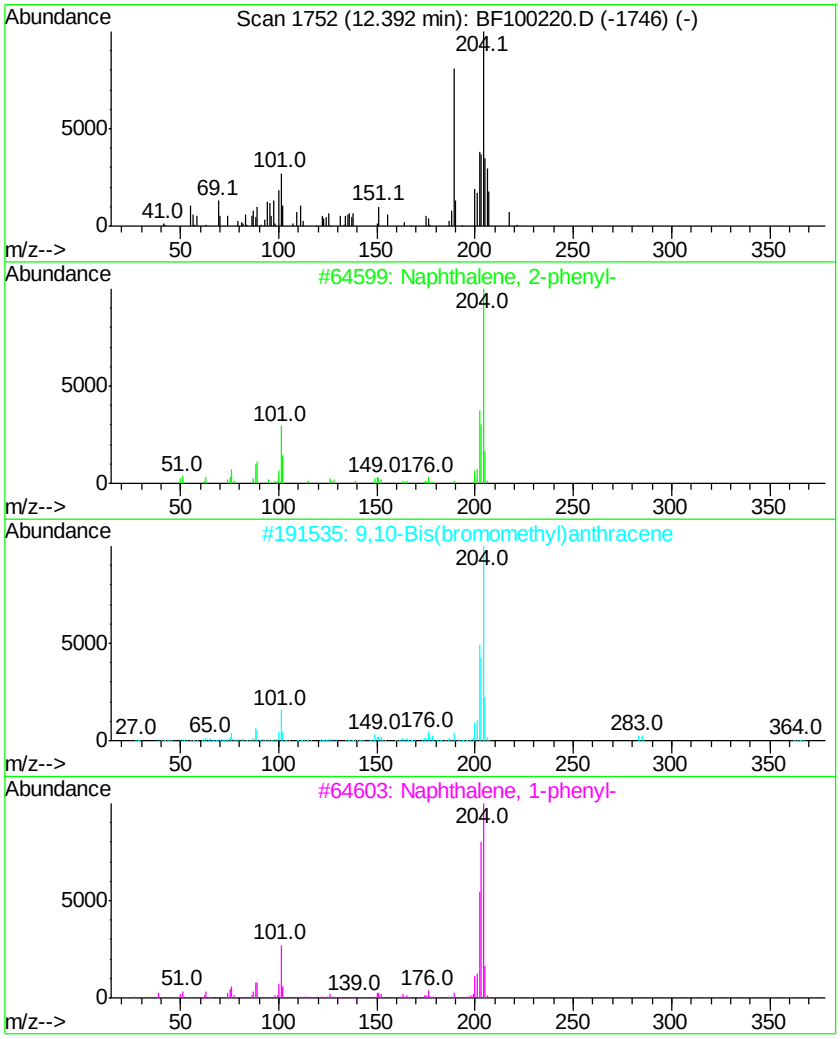
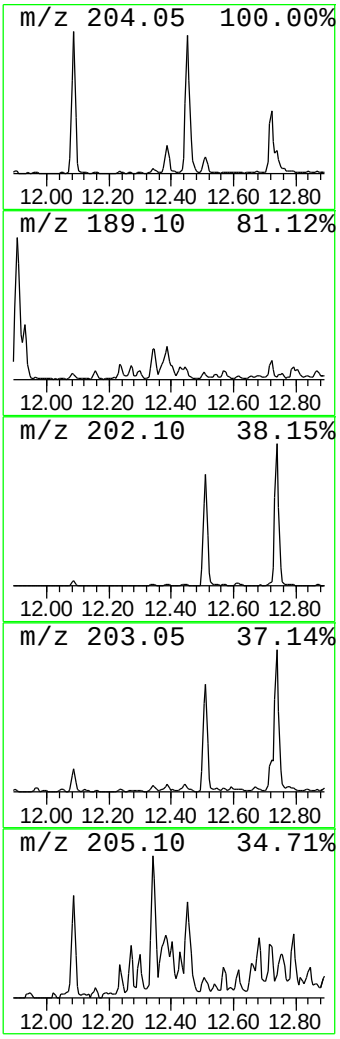
Peak Number 11 unknown12.39 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.10 ng	157940	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	27
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	22





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

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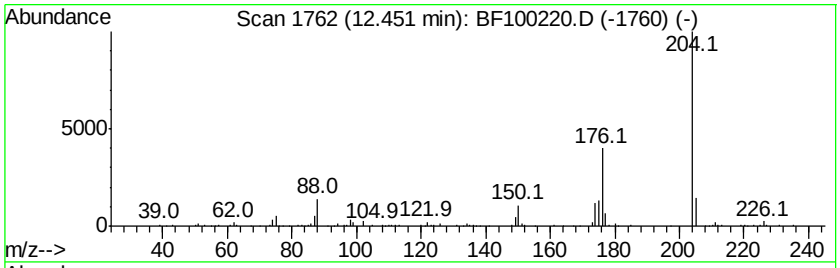
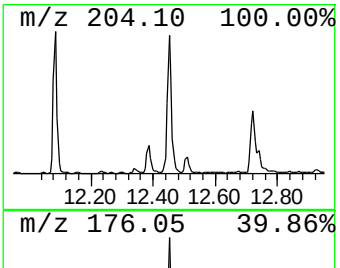
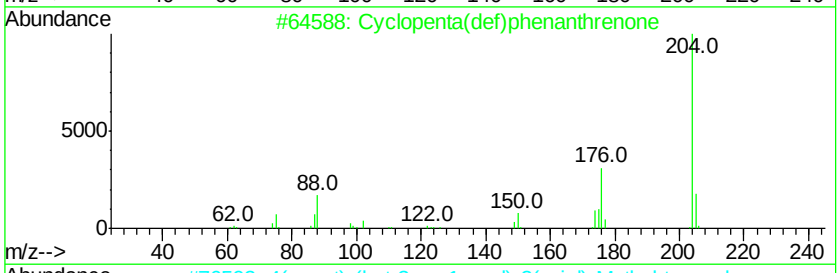
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

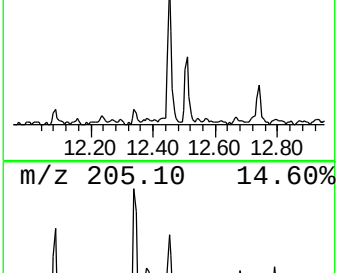
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.05 ng	194495	Phenanthrene-d10	11.29

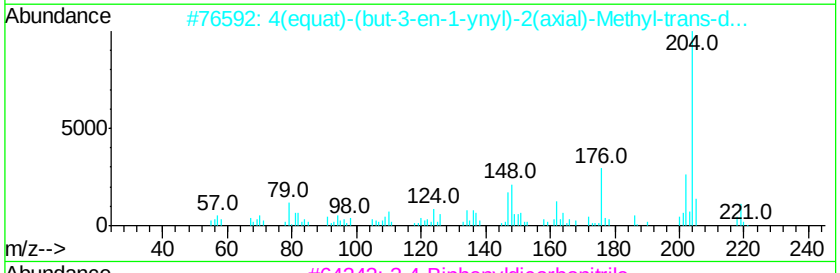
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	39
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	38

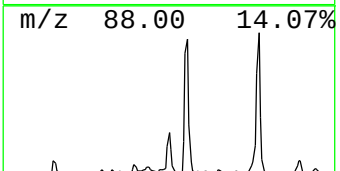


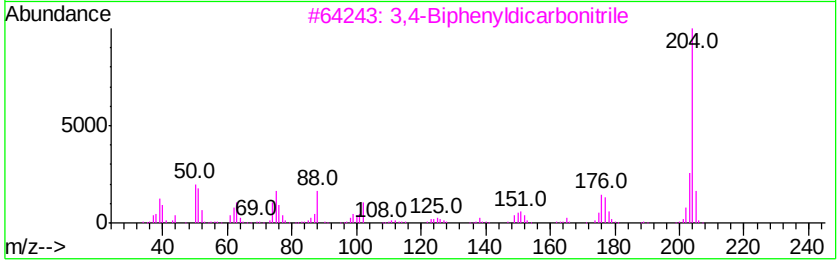


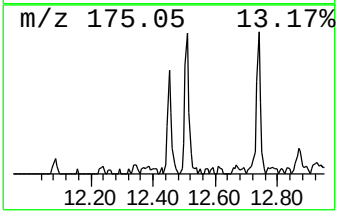












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Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

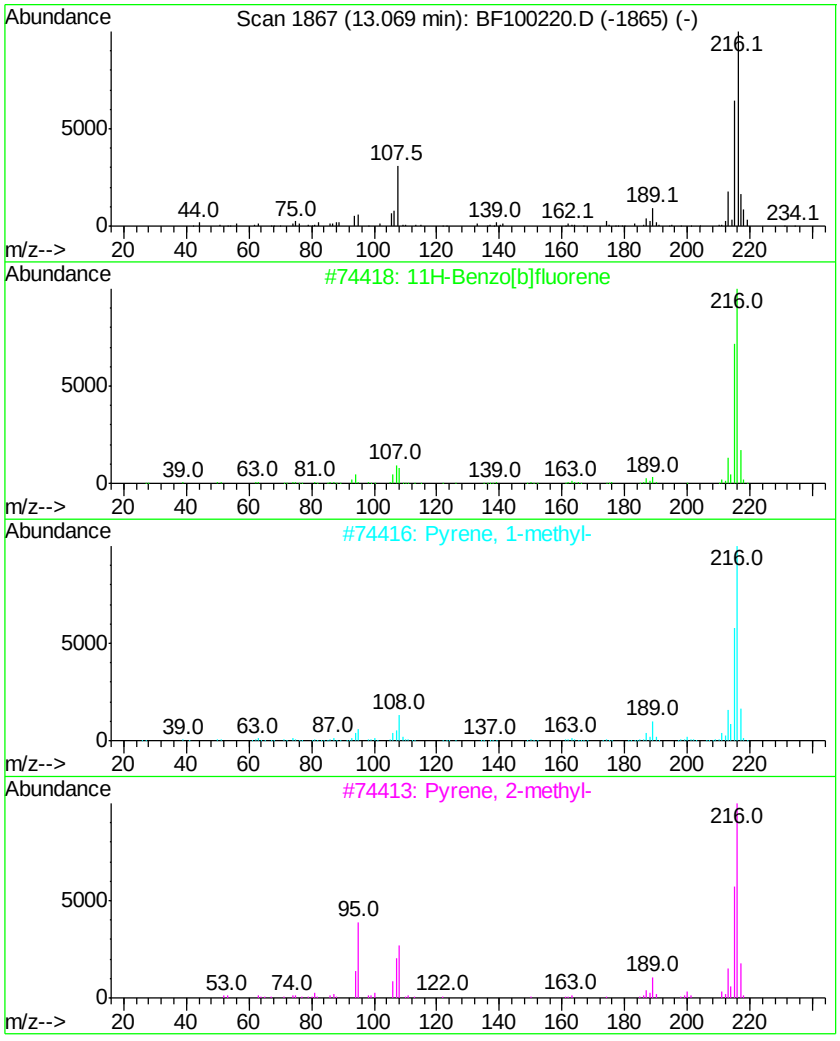
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

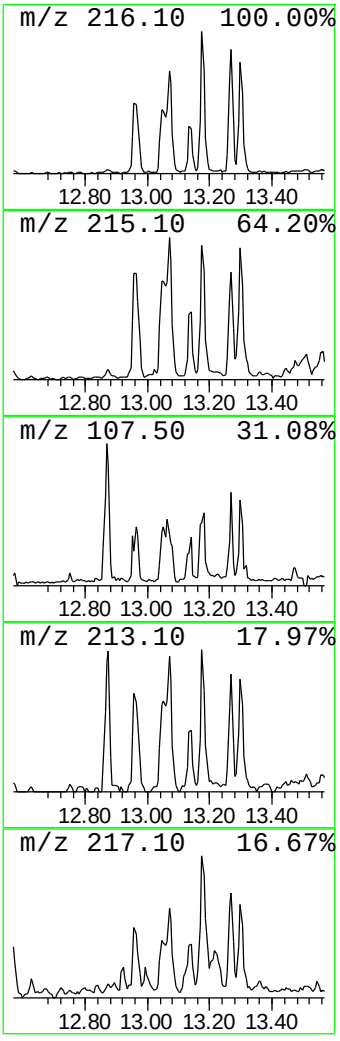
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.51 ng	171741	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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TIC Library : C:\DATABASE\NIST11.L
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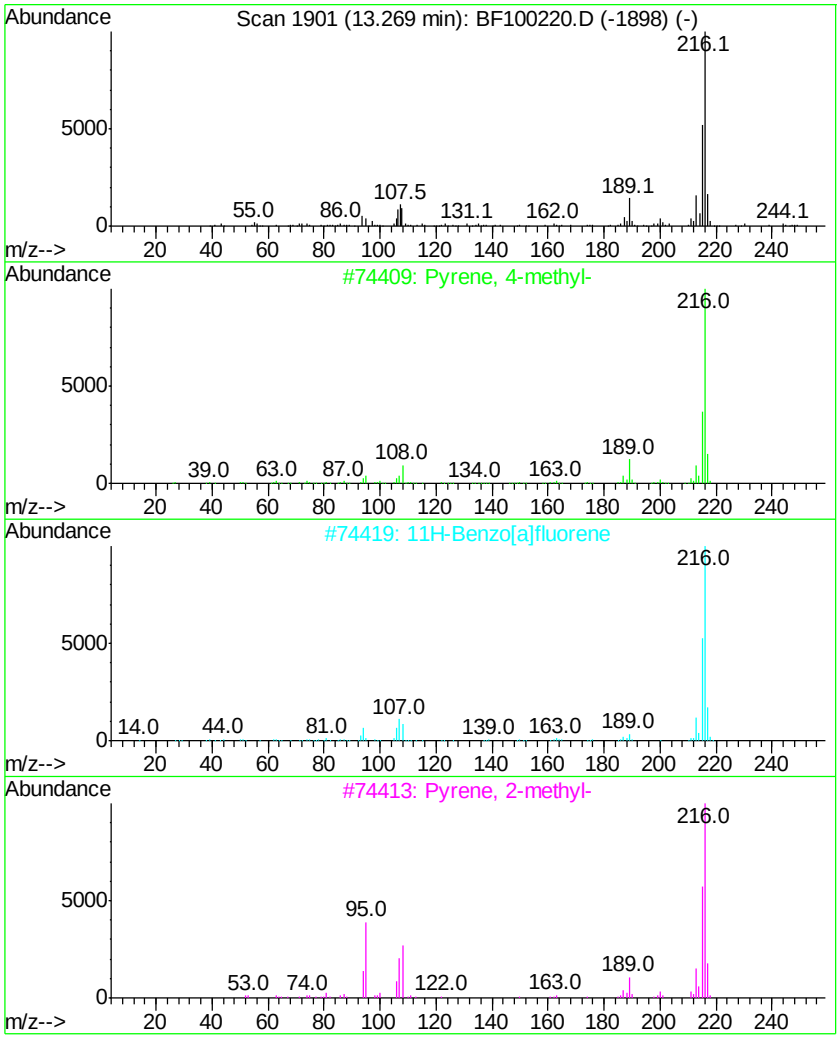
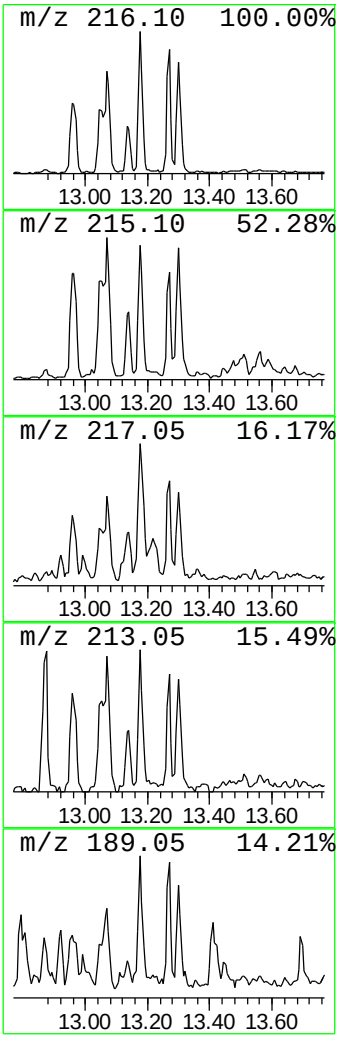
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.62 ng	177172	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

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TIC Library : C:\DATABASE\NIST11.L
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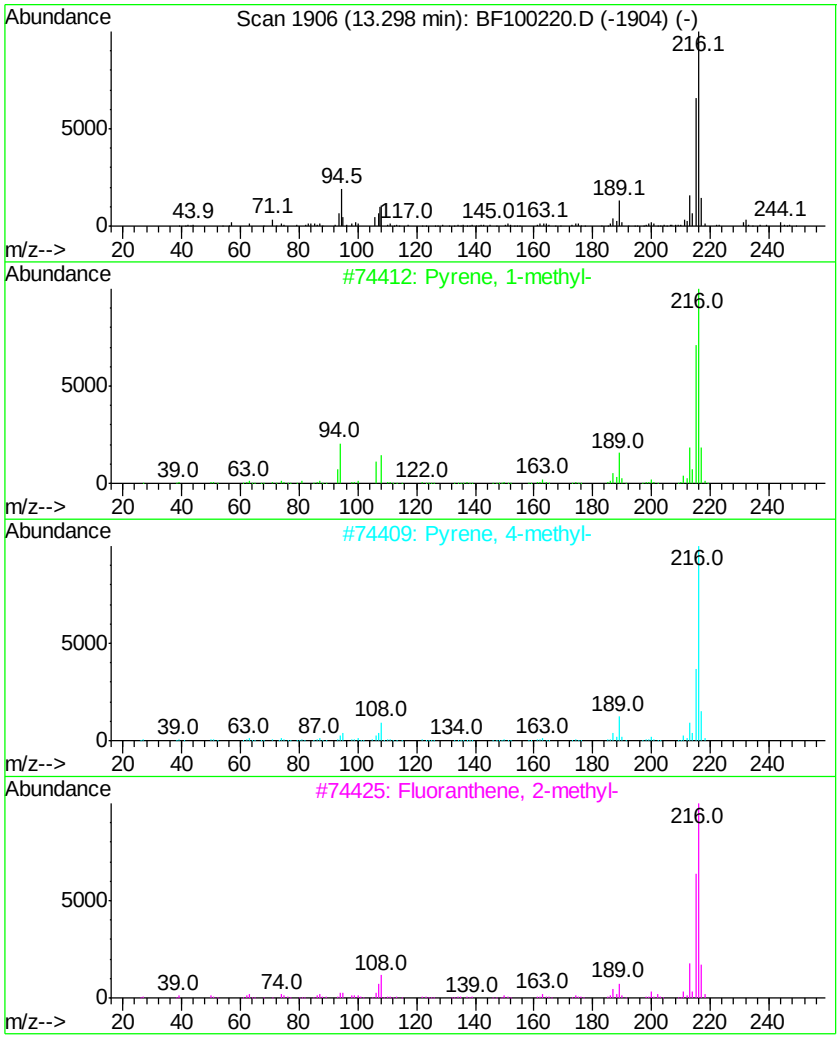
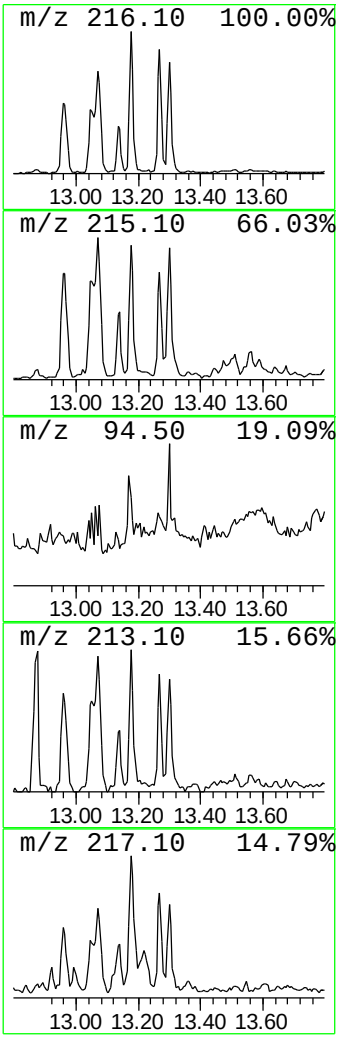
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	4.68 ng	228646	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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

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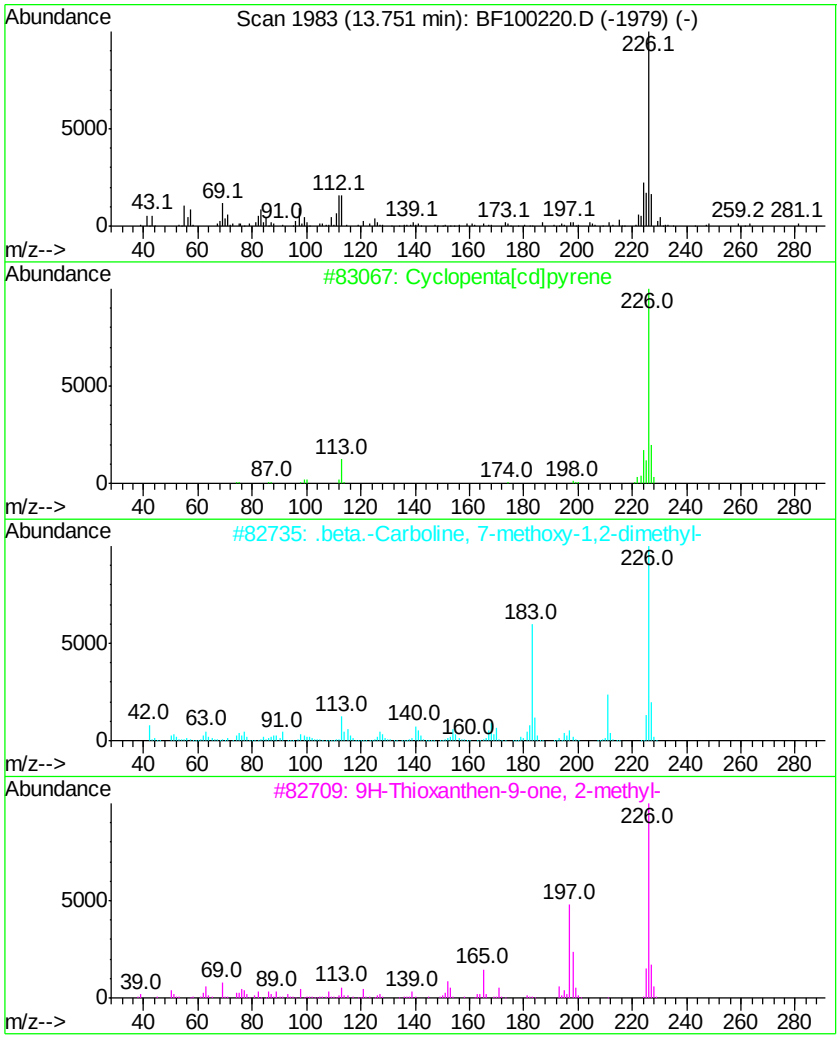
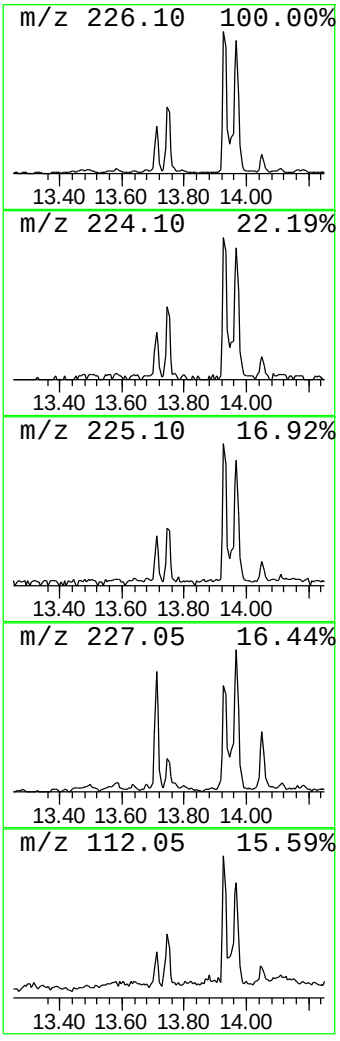
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.46 ng	169120	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	38
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	35





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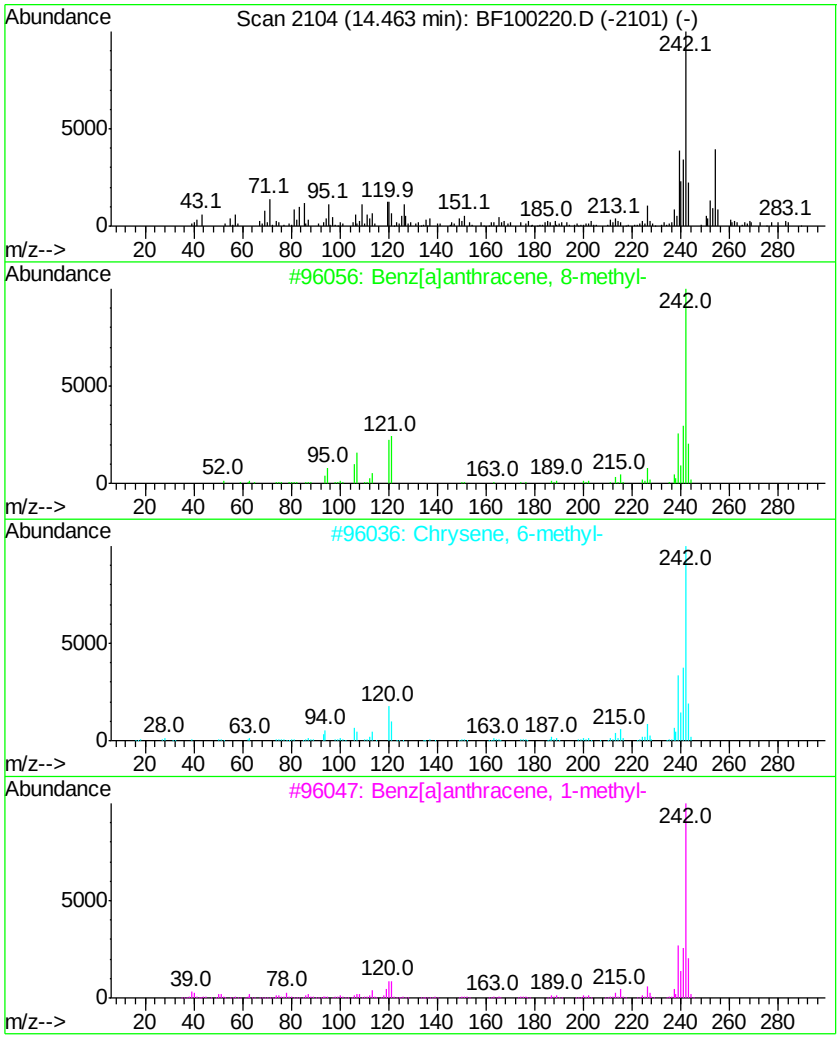
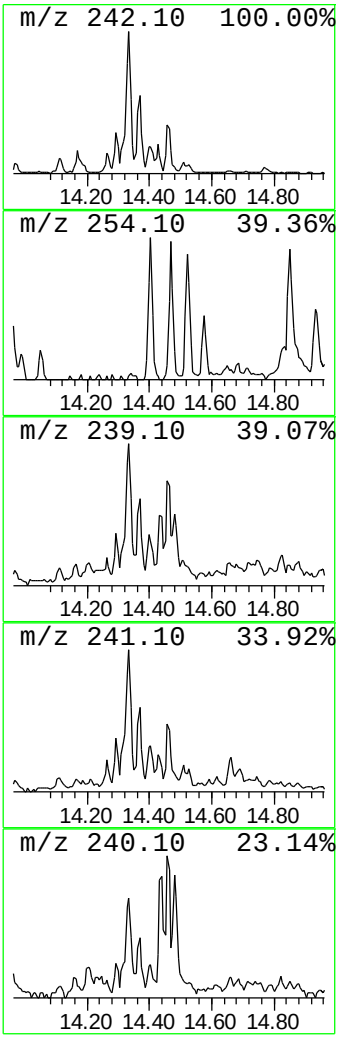
Peak Number 19 Benz[a]anthracene, 8-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.71 ng	181448	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	50
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	46
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	46
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	45
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	45





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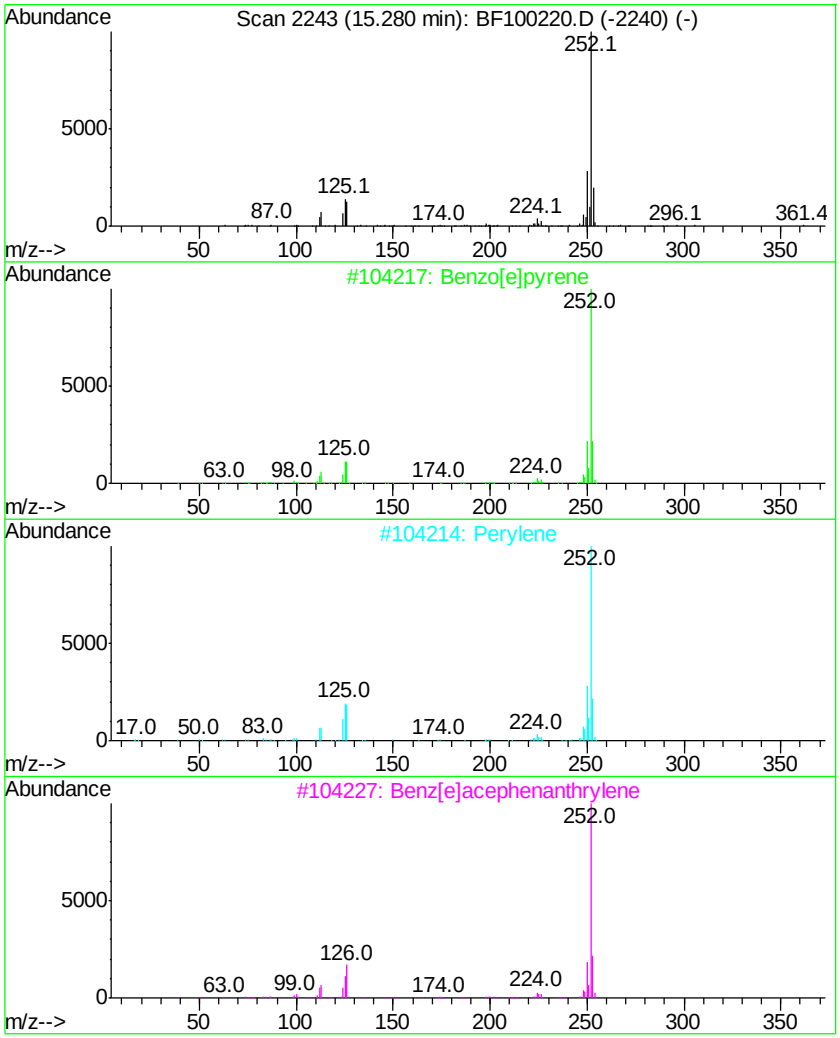
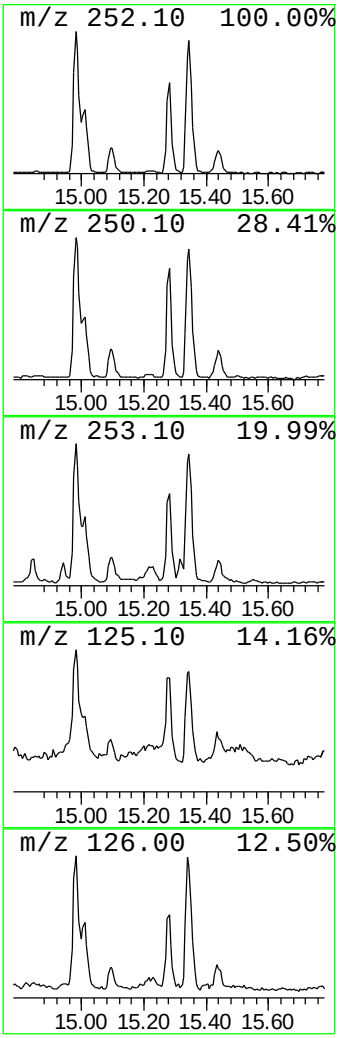
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	12.83 ng	341514	Perylene-d12	15.40

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
3-Penten-2-one, 4...	4.35	28.1	ng	724144	1	6.76	515992	20.0
2-Pentanone, 4-hy...	4.99	56.5	ng	1458530	1	6.76	515992	20.0
unknown6.55	6.55	97.4	ng	2513390	1	6.76	515992	20.0
Phenanthrene, 2-m...	11.79	7.5	ng	286869	4	11.29	770071	20.0
4H-Cyclopenta[def...	11.90	10.0	ng	383620	4	11.29	770071	20.0
Phenanthrene, 4-m...	11.93	5.8	ng	223832	4	11.29	770071	20.0
5,16[1',2']:8,13[...	12.09	4.2	ng	161318	4	11.29	770071	20.0
9,10-Anthracenedione	12.14	4.5	ng	171789	4	11.29	770071	20.0
Phenanthrene, 2,5...	12.35	5.6	ng	217295	4	11.29	770071	20.0
unknown12.39	12.39	4.1	ng	157940	4	11.29	770071	20.0
Cyclopenta(def)ph...	12.45	5.0	ng	194495	4	11.29	770071	20.0
11H-Benzo[b]fluorene	13.07	3.5	ng	171741	5	13.94	977600	20.0
Pyrene, 4-methyl-	13.27	3.6	ng	177172	5	13.94	977600	20.0
Pyrene, 1-methyl-	13.30	4.7	ng	228646	5	13.94	977600	20.0
Cyclopenta[cd]pyrene	13.75	3.5	ng	169120	5	13.94	977600	20.0
Benz[a]anthracene...	14.46	3.7	ng	181448	5	13.94	977600	20.0
Benzo[e]pyrene	15.28	12.8	ng	341514	6	15.40	532552	20.0