LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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_P\METHODS\8270-BP091619.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	5.405	560	564	568	rBV	3067206	2834251	30.34%	2.636%
2	6.416	732	736	743	rBV	3284508	3085922	33.03%	2.870%
3	6.557	756	760	763	rBV	3887526	3136559	33.58%	2.918%
4	6.787	796	799	803	rBV	2506507	2155805	23.08%	2.005%
5	6.946	822	826	829	rBV	3249026	2508908	26.86%	2.334%
6	7.346	890	894	897	rBV	2062355	1655964	17.73%	1.540%
7	8.069	1014	1017	1020	rBV	3136417	2751483	29.45%	2.559%
8	8.093	1020	1021	1027	rVB	187442	108552	1.16%	0.101%
9	9.146	1197	1200	1204	rBV	4156310	3586576	38.39%	3.336%
10	9.487	1253	1258	1261	rBV	107272	115075	1.23%	0.107%
11	9.540	1265	1267	1273	rBV	290308	265451	2.84%	0.247%
12	9.687	1288	1292	1297	rBV	211636	199410	2.13%	0.185%
13	9.834	1313	1317	1320	rBV	3591714	3195556	34.21%	2.972%
14	9.863	1320	1322	1325	rVB	595498	436557	4.67%	0.406%
15	10.034	1348	1351	1355	rVB	323480	256579	2.75%	0.239%
16	10.381	1407	1410	1416	rVB	585418	480798	5.15%	0.447%
17	10.540	1435	1437	1443	rVB	189627	152117	1.63%	0.141%
18	10.622	1447	1451	1455	rVB	2771998	2361029	25.27%	2.196%
19	10.751	1469	1473	1479	rVB2	118628	139011	1.49%	0.129%
20	10.934	1497	1504	1507	rBV3	161101	240094	2.57%	0.223%
21	11.063	1521	1526	1528	rBV3	134669	179601	1.92%	0.167%
22	11.087	1528	1530	1534	rVV	170960	185040	1.98%	0.172%
23	11.128	1534	1537	1542	rVB	349956	322755	3.45%	0.300%
24	11.175	1542	1545	1548	rBV	171371	212756	2.28%	0.198%
25	11.222	1551	1553	1559	rVB	318312	304991	3.26%	0.284%
26	11.328	1567	1571	1573	rBV	3600040	3520143	37.68%	3.274%
27	11.351	1573	1575	1578	rVV	6548113	5059145	54.16%	4.706%
28	11.398	1578	1583	1587	rVV	1963291	1806932	19.34%	1.681%
29	11.434	1587	1589	1593	rVB2	153622	149917	1.60%	0.139%
30	11.551	1604	1609	1612	rBV2	482286	521121	5.58%	0.485%
31	11.628	1619	1622	1625	rVB4	146343	130995	1.40%	0.122%
32	11.657	1625	1627	1630	rBV2	111593	98306	1.05%	0.091%
33	11.834	1654	1657	1659	rBV	712997	546780	5.85%	0.509%
34	11.863	1659	1662	1666	rVB	1089146	1005200	10.76%	0.935%

LSC Area Percent Report

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Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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_P\METHODS\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.910	1666	1670	1672	rBV	520138	495017	5.30%	0.460%
36	11.945	1672	1676	1678	rBV	1464149	1442632	15.44%	1.342%
37	11.969	1678	1680	1684	rVB	563245	439205	4.70%	0.409%
38	12.128	1704	1707	1709	rBV	600080	509888	5.46%	0.474%
39	12.151	1709	1711	1715	rVB	471759	360847	3.86%	0.336%
40	12.204	1718	1720	1723	rBV	92534	96093	1.03%	0.089%
41	12.281	1731	1733	1736	rVB	188915	149492	1.60%	0.139%
42	12.316	1736	1739	1740	rBV	171716	142478	1.53%	0.133%
43	12.334	1740	1742	1745	rVB	170728	154506	1.65%	0.144%
44	12.387	1748	1751	1754	rBV	430277	466343	4.99%	0.434%
45	12.428	1755	1758	1763	rVV3	273107	447233	4.79%	0.416%
46	12.469	1763	1765	1771	rVB2	497803	530541	5.68%	0.494%
47	12.557	1775	1780	1783	rBV	8906394	8663005	92.73%	8.058%
48	12.610	1783	1789	1793	rBV3	179653	331436	3.55%	0.308%
49	12.704	1803	1805	1809	rVB	247929	226890	2.43%	0.211%
50	12.787	1812	1819	1822	rBV2	8140008	9341886	100.00%	8.690%
51	12.828	1824	1826	1833	rVB2	366911	389459	4.17%	0.362%
52	12.904	1836	1839	1840	rBV	626543	553239	5.92%	0.515%
53	12.928	1840	1843	1850	rVB2	3985012	3794905	40.62%	3.530%
54	13.004	1851	1856	1859	rBV2	600964	1004765	10.76%	0.935%
55	13.086	1868	1870	1872	rBV3	423069	466148	4.99%	0.434%
56	13.116	1872	1875	1878	rVB	1220596	1150197	12.31%	1.070%
57	13.181	1883	1886	1889	rBV	991799	832757	8.91%	0.775%
58	13.216	1889	1892	1895	rBV	938282	985937	10.55%	0.917%
59	13.275	1900	1902	1905	rBV	227531	249051	2.67%	0.232%
60	13.310	1906	1908	1911	rVB	429786	313598	3.36%	0.292%
61	13.339	1911	1913	1917	rBV2	433226	511157	5.47%	0.475%
62	13.622	1959	1961	1966	rVB	749319	780411	8.35%	0.726%
63	13.734	1977	1980	1983	rBV2	718315	894175	9.57%	0.832%
64	13.769	1983	1986	1988	rVV	769036	686200	7.35%	0.638%
65	13.792	1988	1990	1994	rVV2	656060	913821	9.78%	0.850%
66	13.834	1995	1997	2002	rVB	820361	974545	10.43%	0.907%
67	13.986	2019	2023	2027	rBV3	5221203	7513740	80.43%	6.989%
68	14.022	2027	2029	2032	rVB	3934662	2929209	31.36%	2.725%
69	14.098	2040	2042	2045	rBV	634882	556069	5.95%	0.517%
70	14.216	2059	2062	2066	rBV2	446452	589667	6.31%	0.549%
71	15.051	2200	2204	2207	rBV	2800353	4404523	47.15%	4.097%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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_P\METHODS\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.357	2252	2256	2262	rVB	1825965	2486073	26.61%	2.313%
73	15.422	2263	2267	2273	rBV	2551305	3060781	32.76%	2.847%
74	15.480	2274	2277	2280	rBV	1647380	1992321	21.33%	1.853%
75	16.969	2527	2530	2540	rVB2	1133675	1965453	21.04%	1.828%

Sum of corrected areas: 107505072

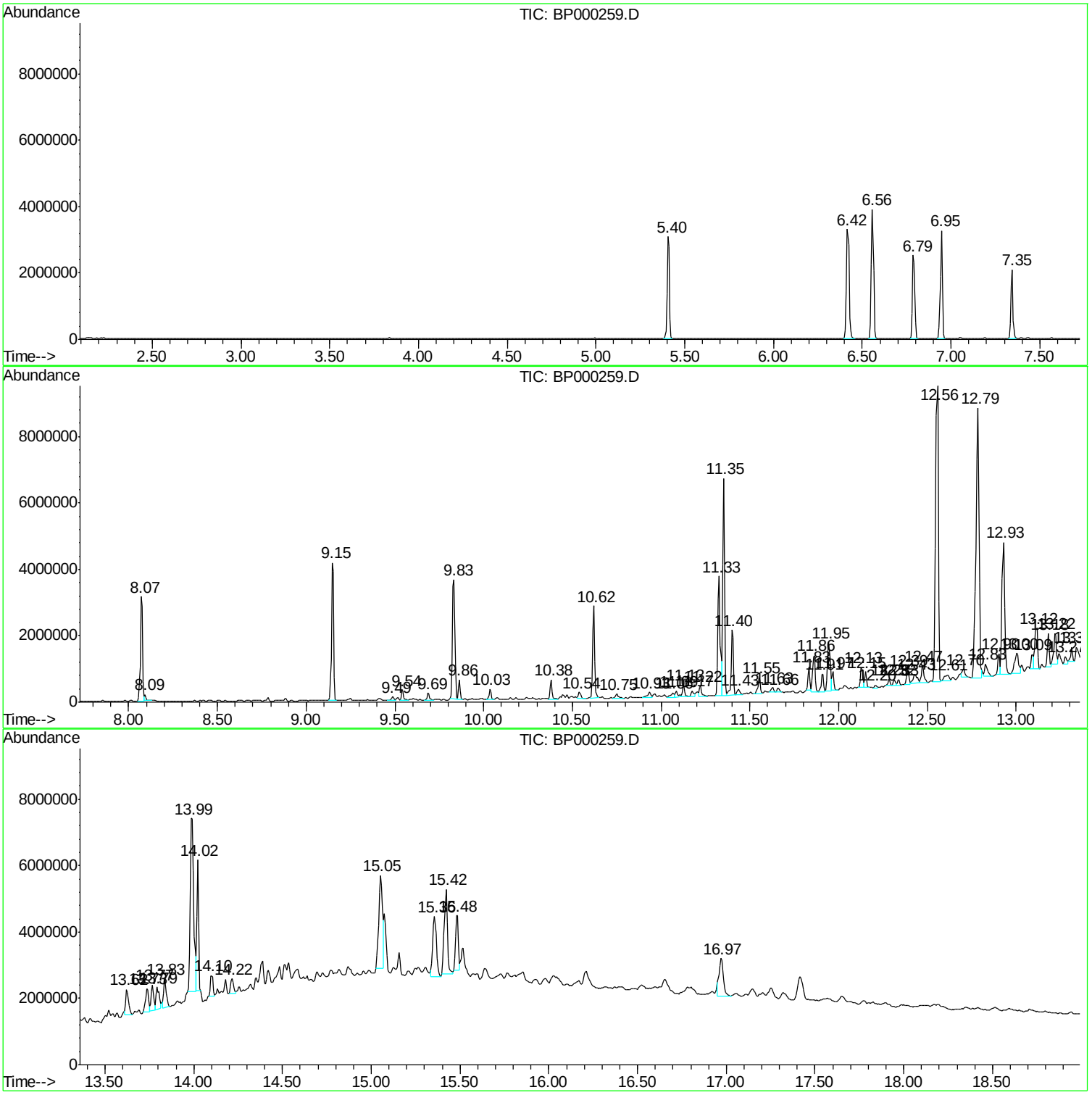
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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 P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

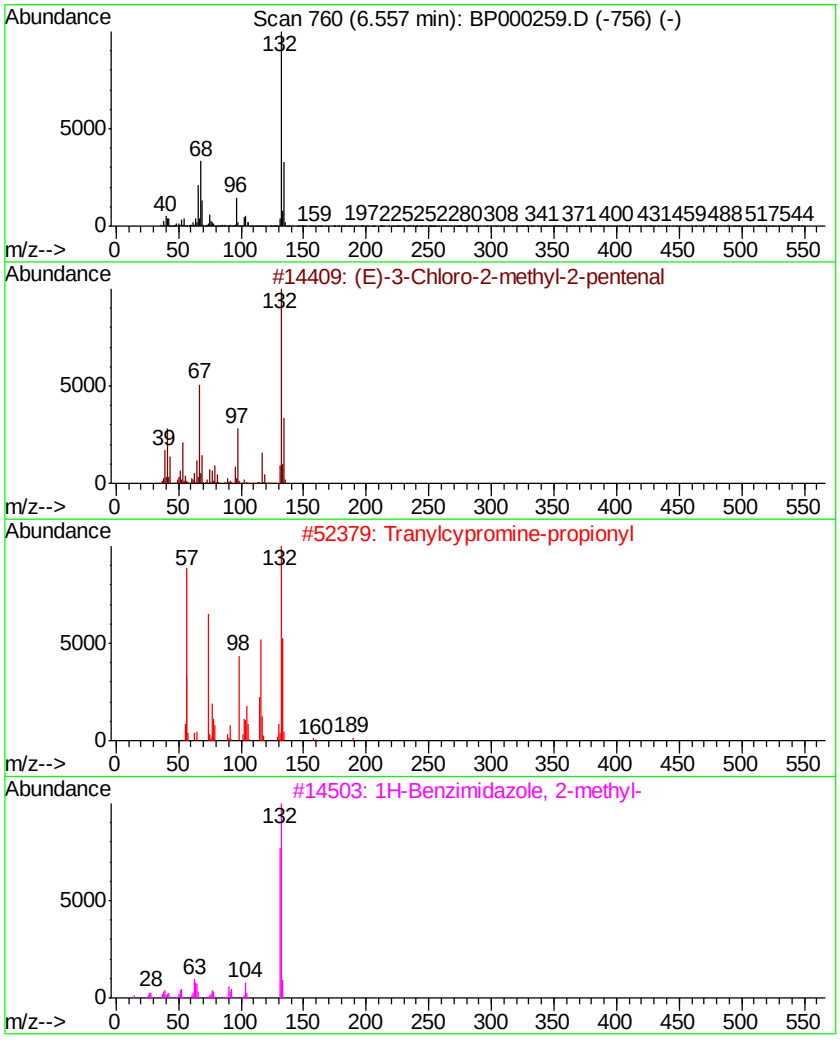
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

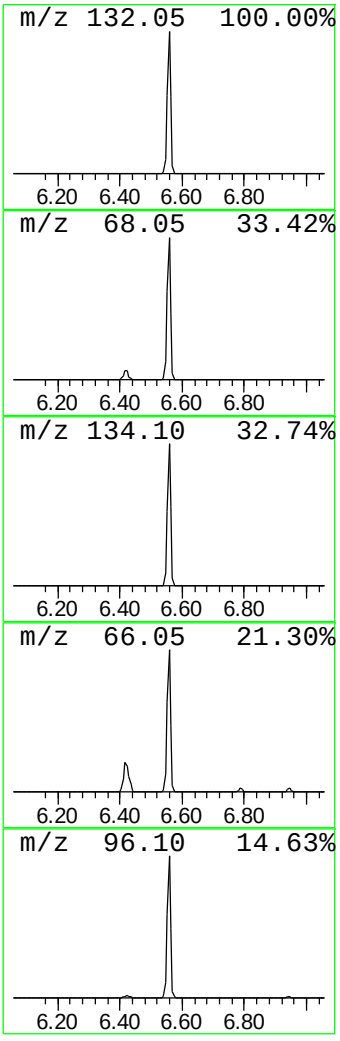
****

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	29.10 ng	3136560	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
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Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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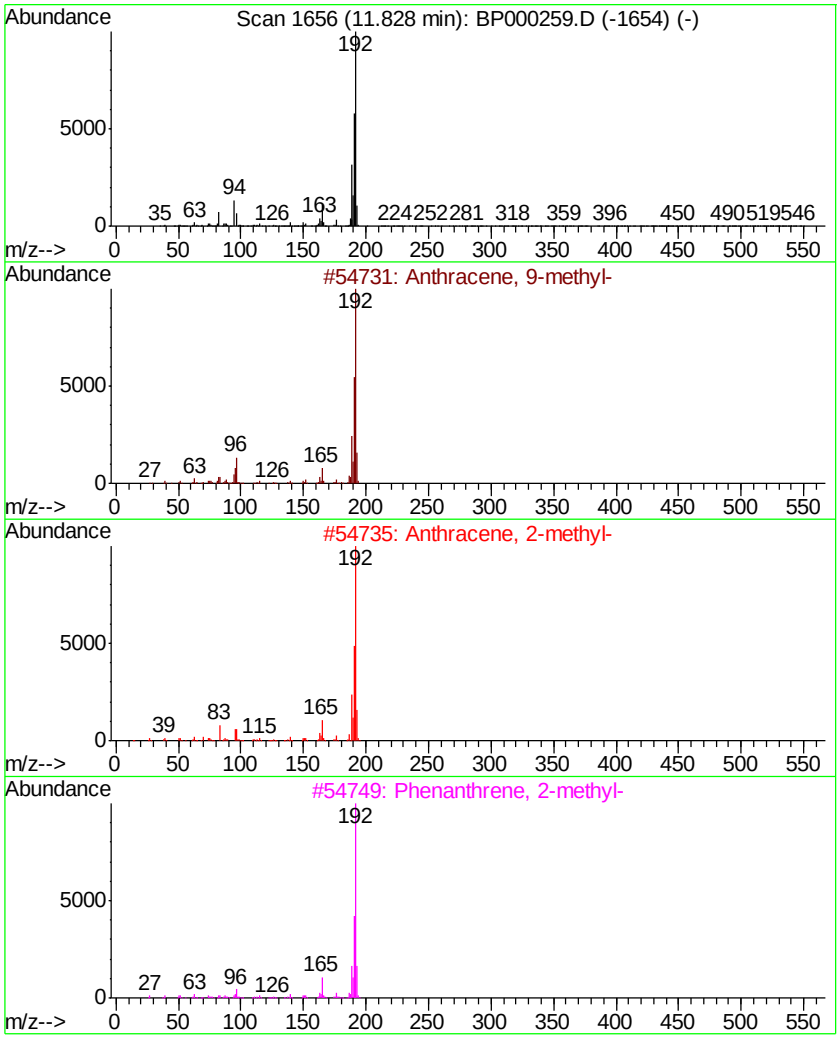
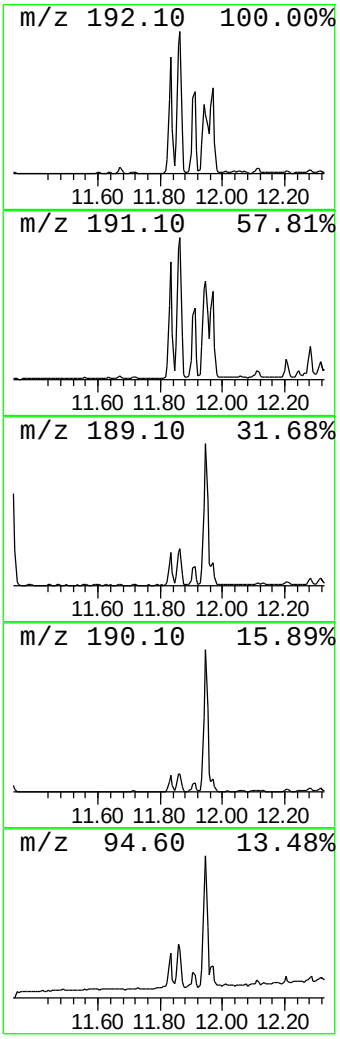
Peak Number 3 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.11 ng	546780	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

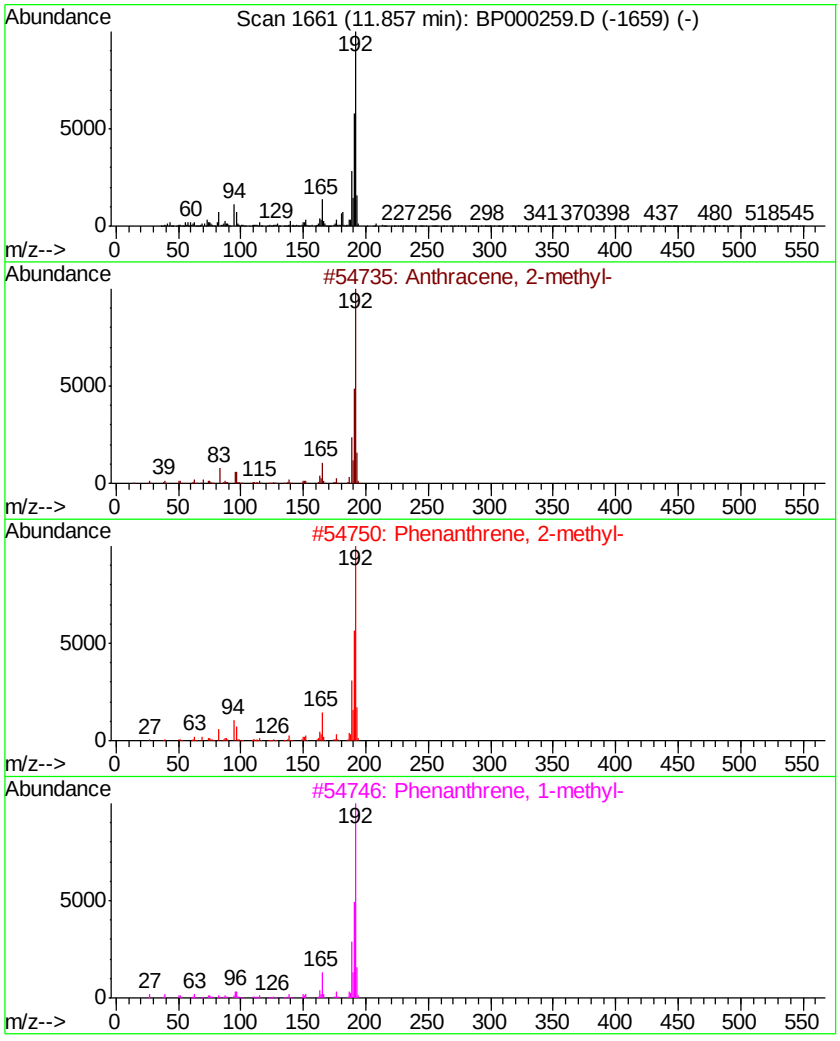
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

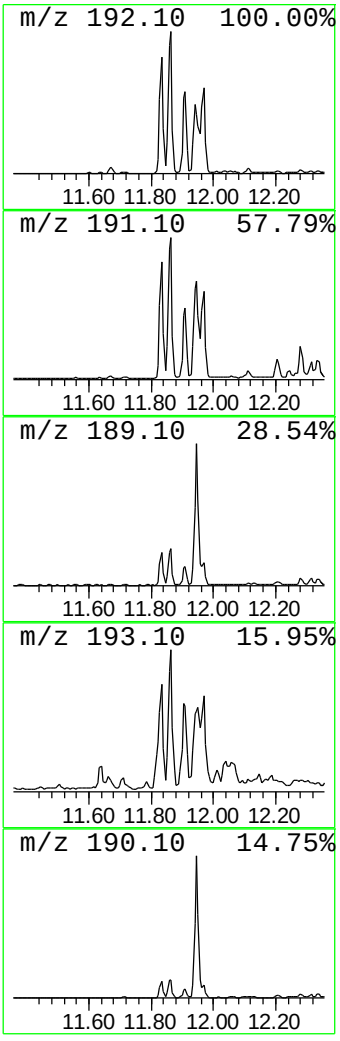
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.71 ng	1005200	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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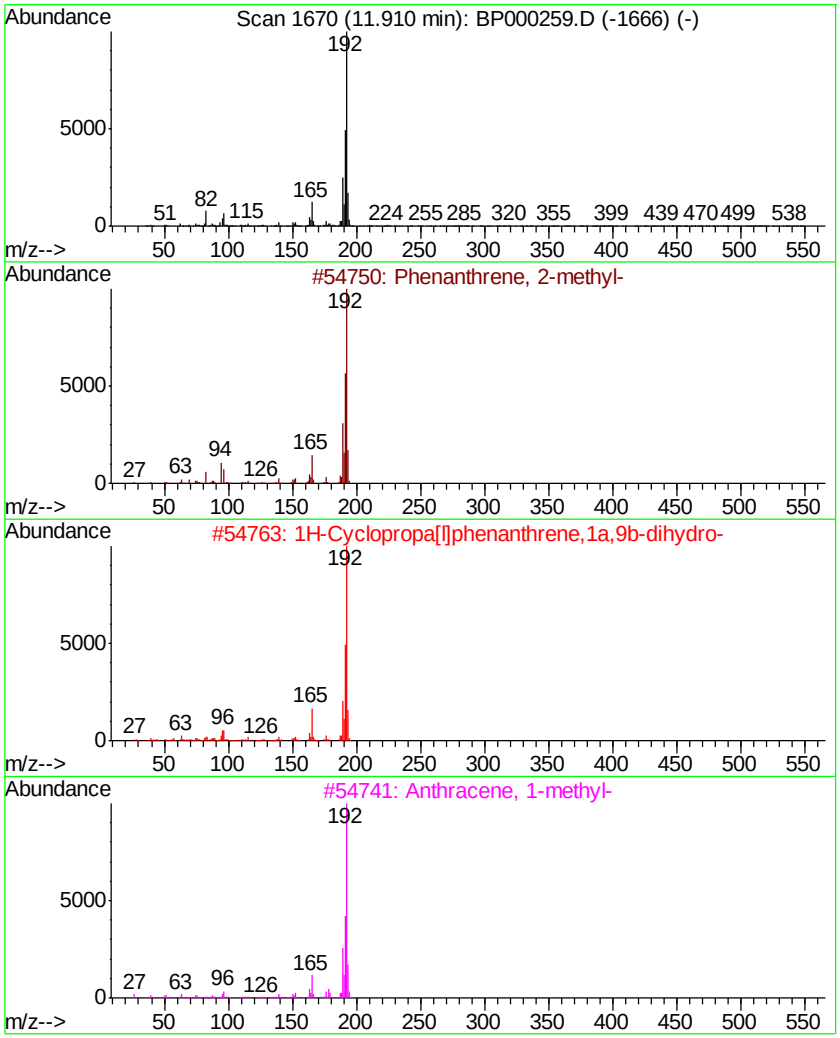
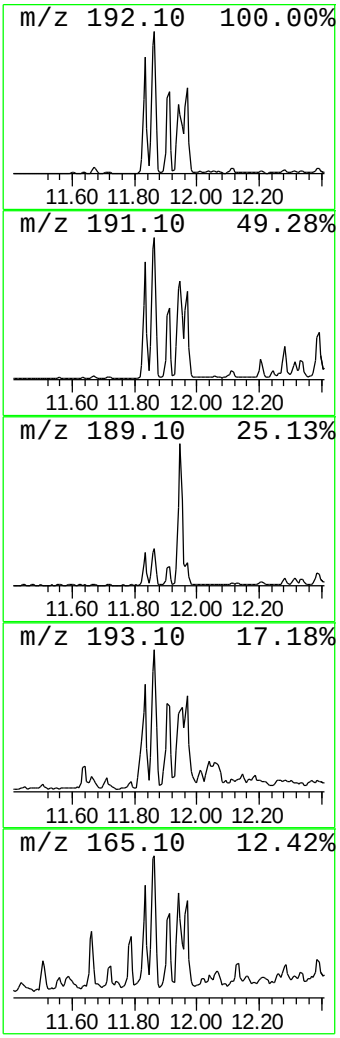
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.81 ng	495017	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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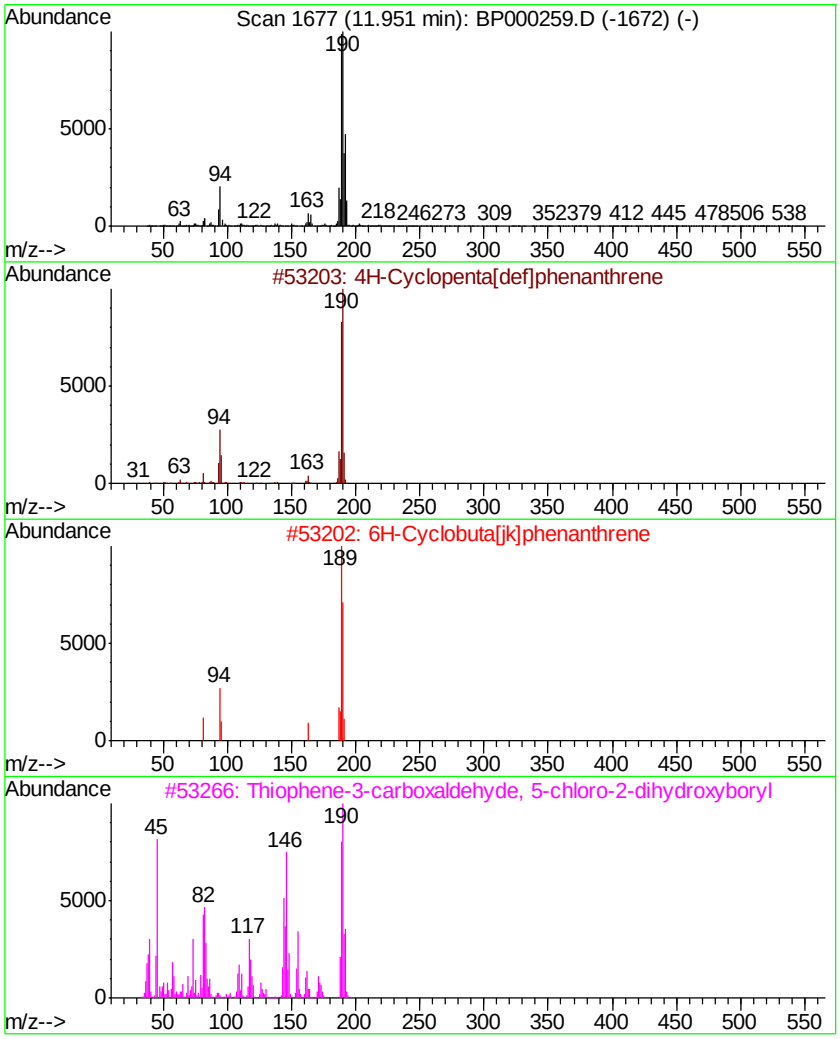
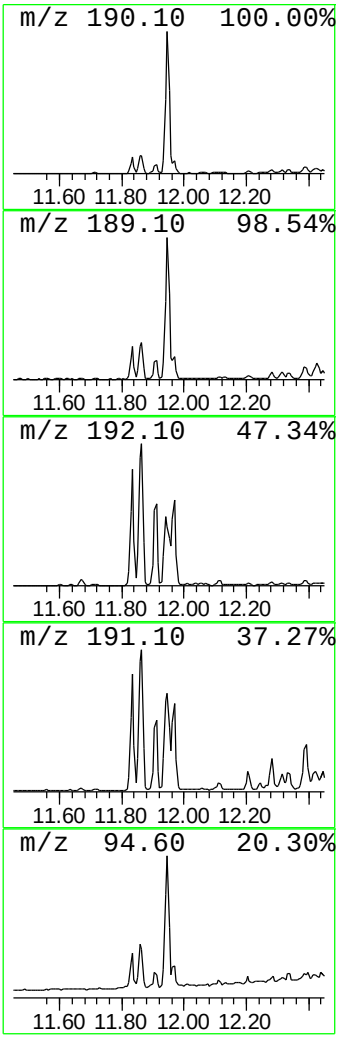
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.20 ng	1442630	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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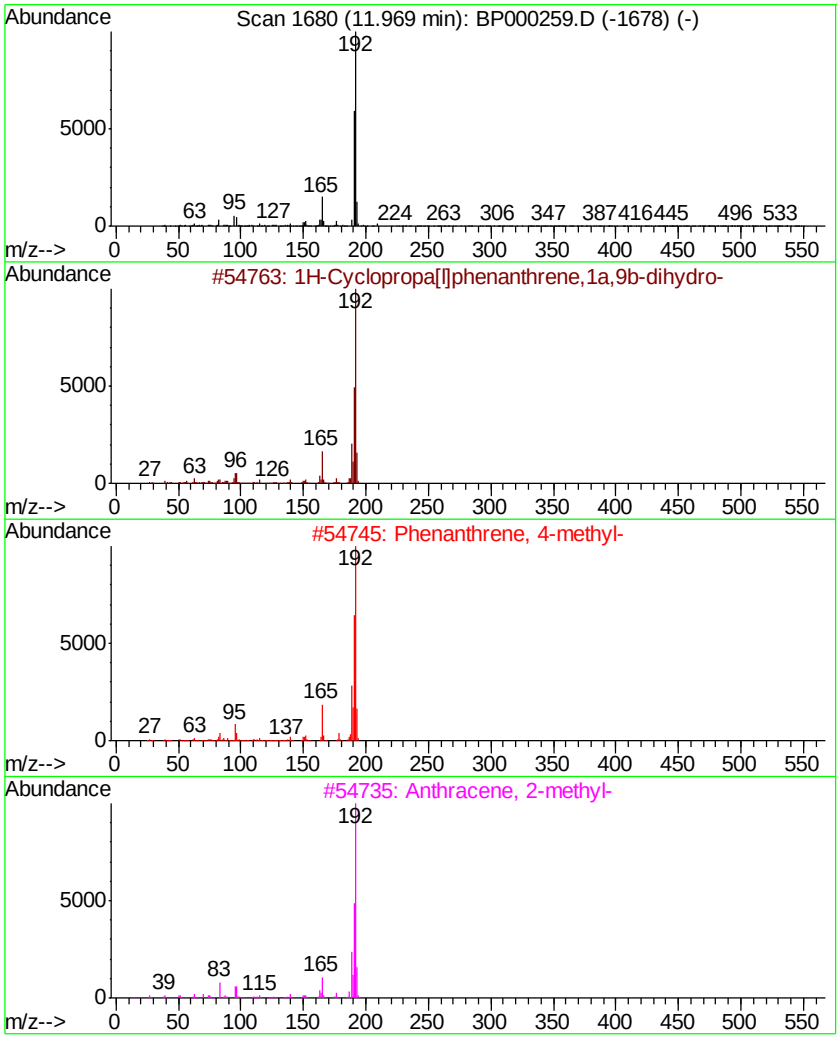
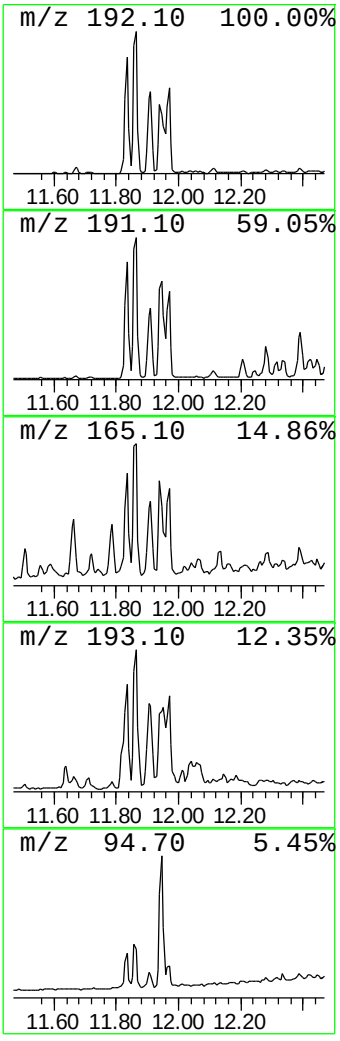
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.50 ng	439205	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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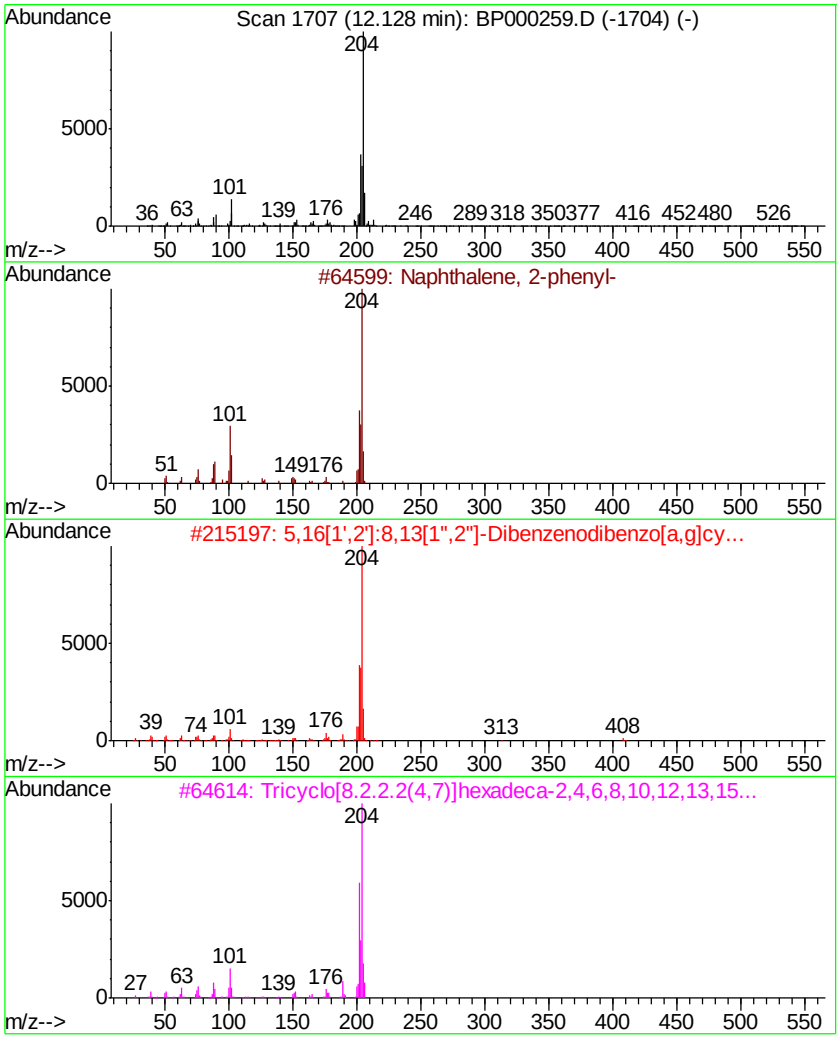
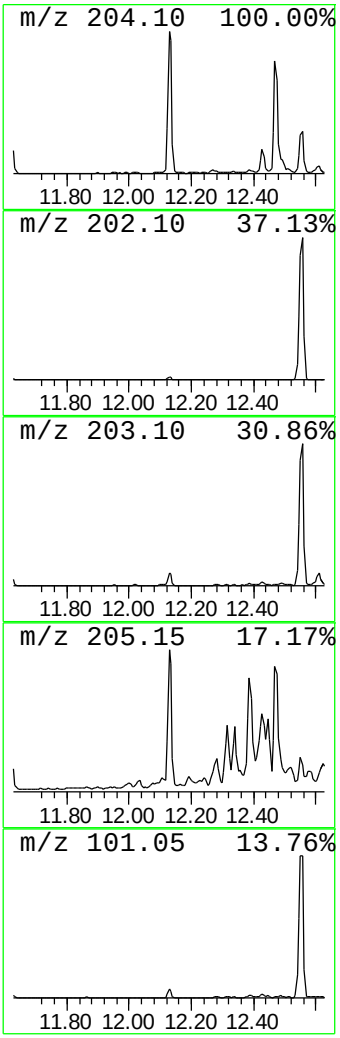
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.90 ng	509888	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

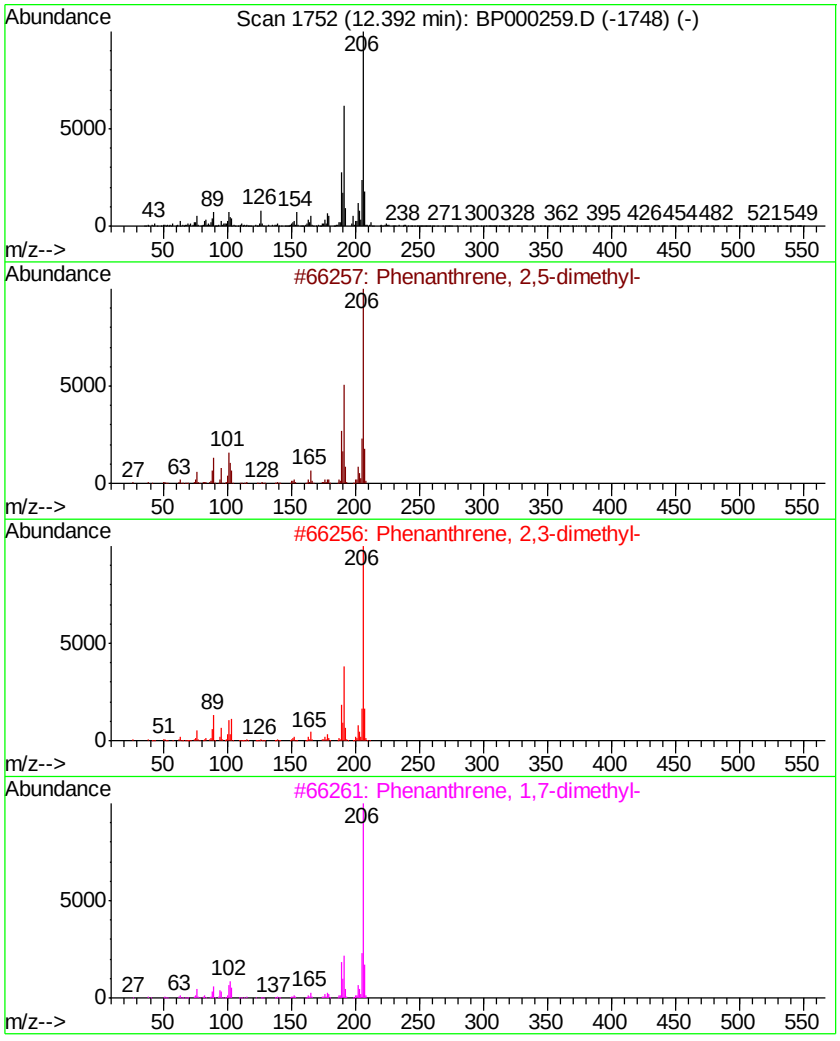
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

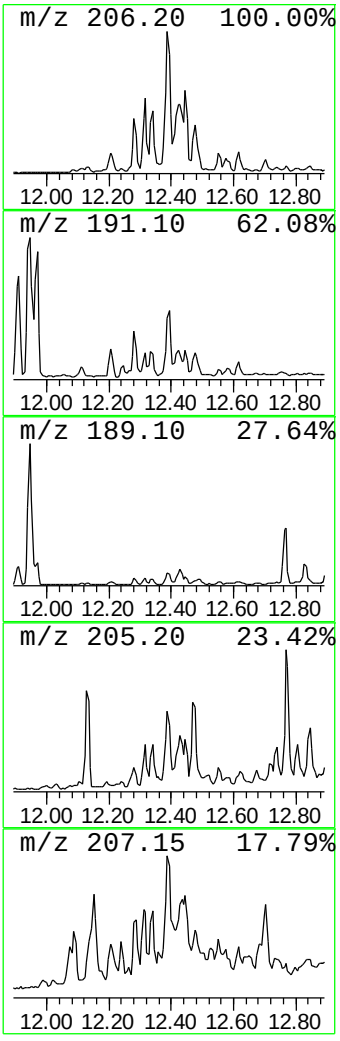
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.65 ng	466343	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

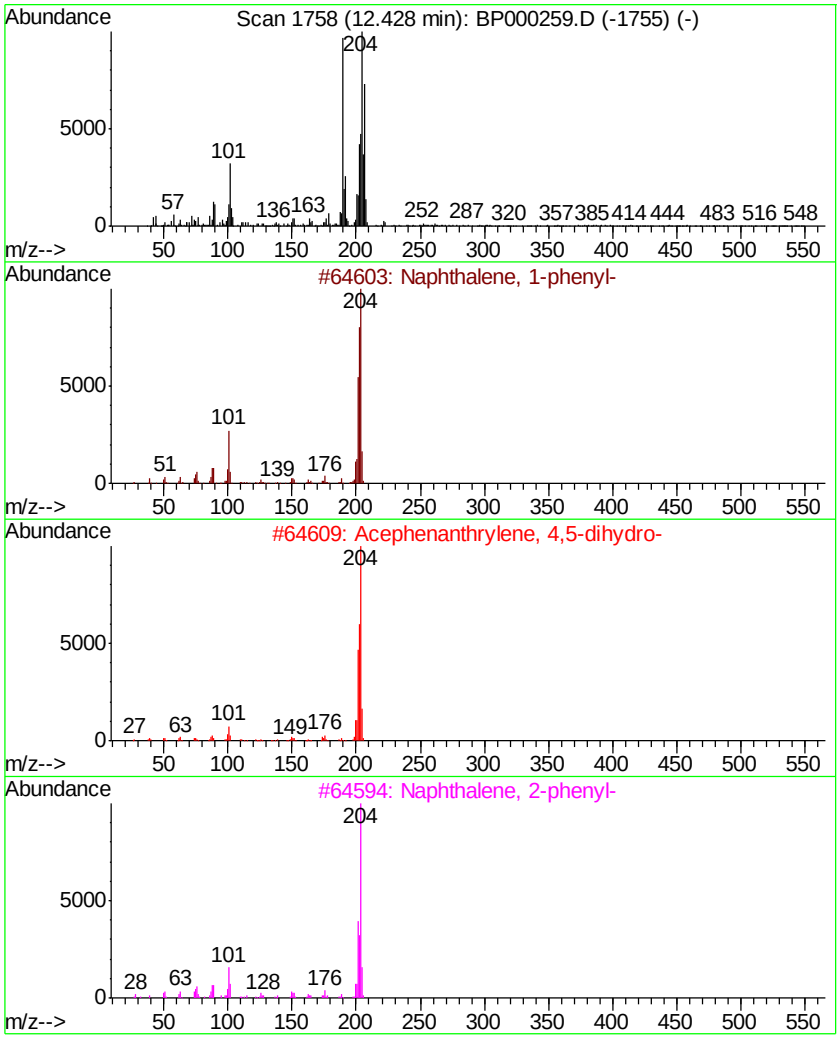
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

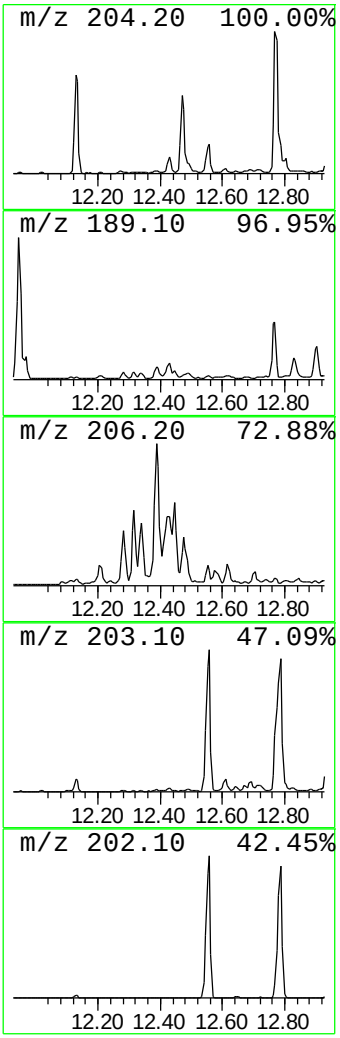
****

Peak Number 10 Naphthalene, 1-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.54 ng	447233	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	35





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Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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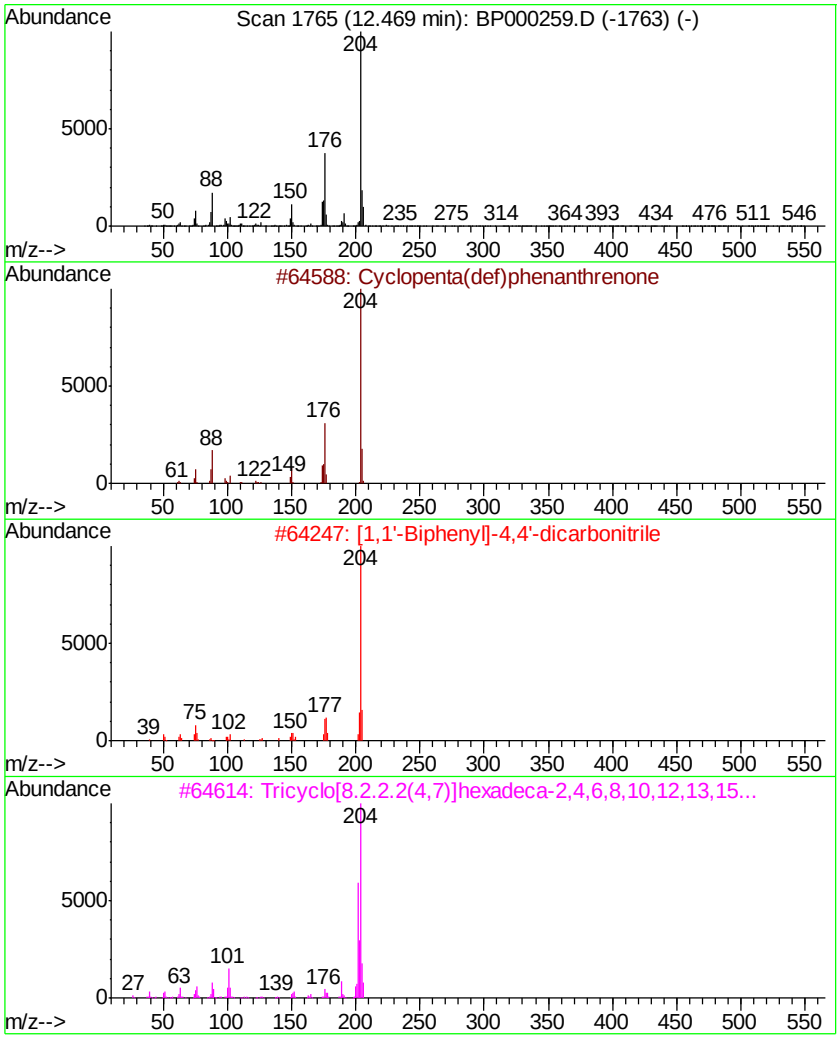
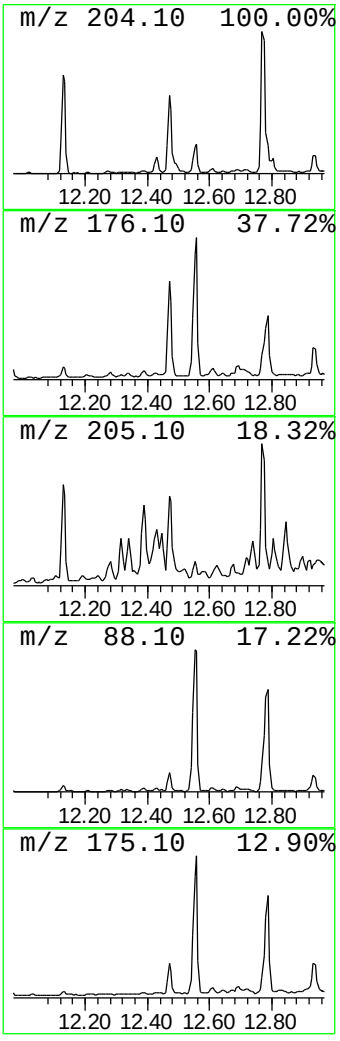
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.01 ng	530541	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50
5	.alpha.-D-Mannopyranoside, methy...	482	C19H46O6Si4	001769-06-8	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
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Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

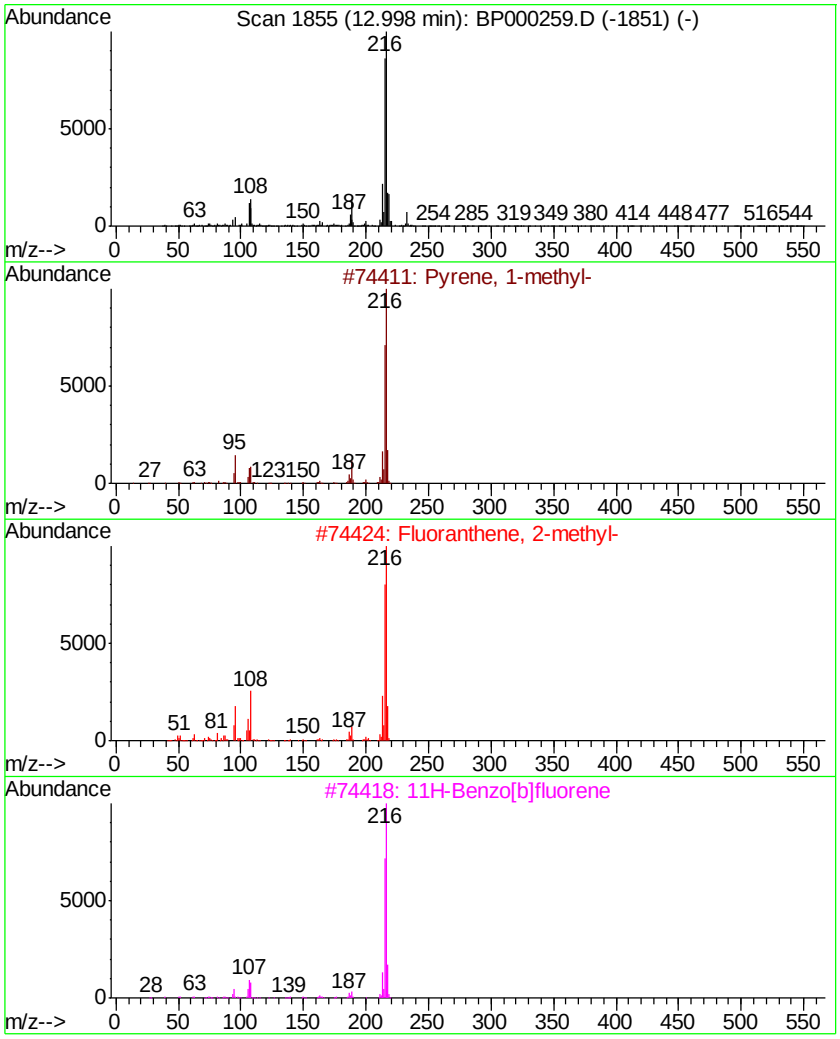
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

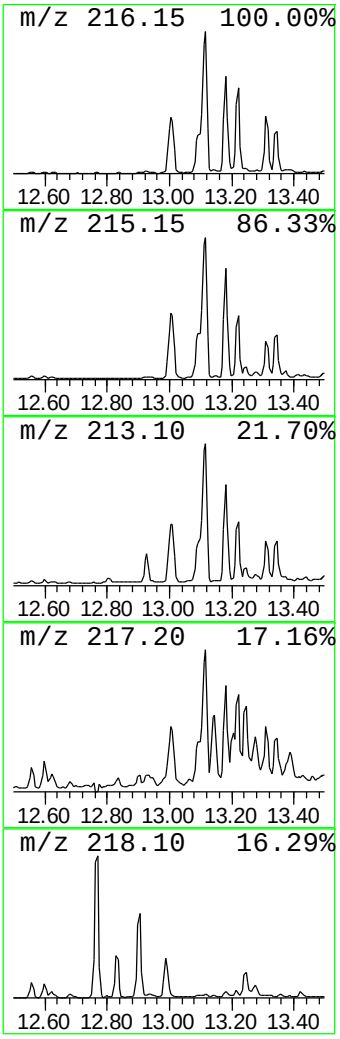
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.67 ng	1004770	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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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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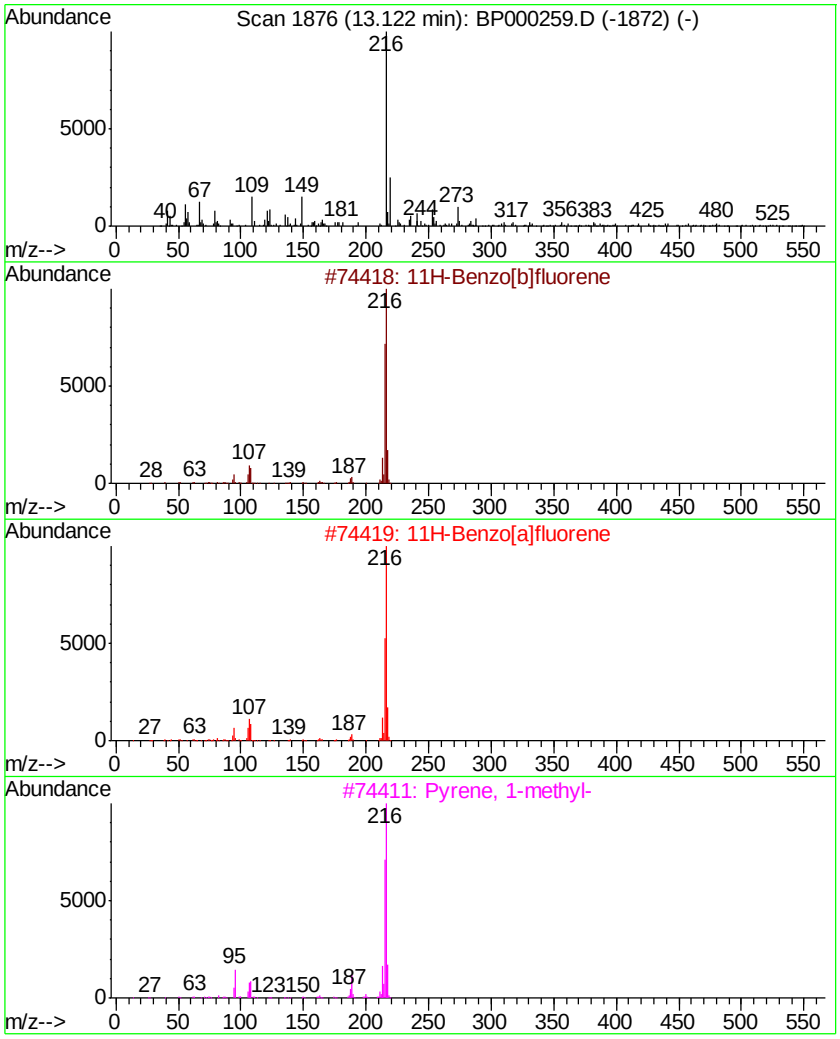
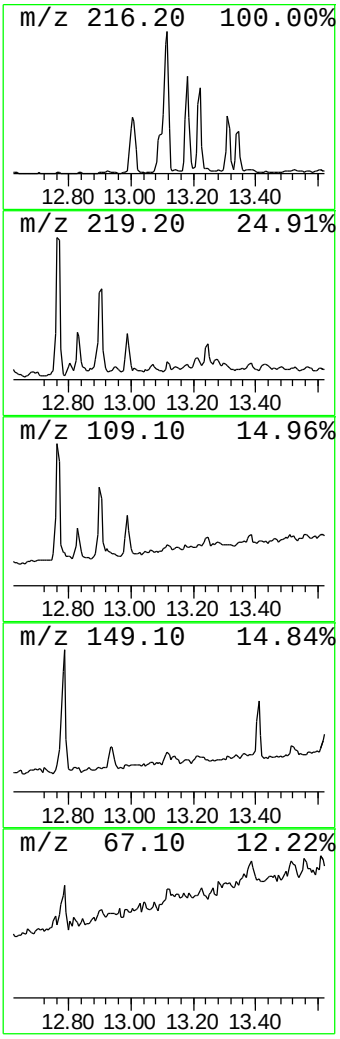
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.06 ng	1150200	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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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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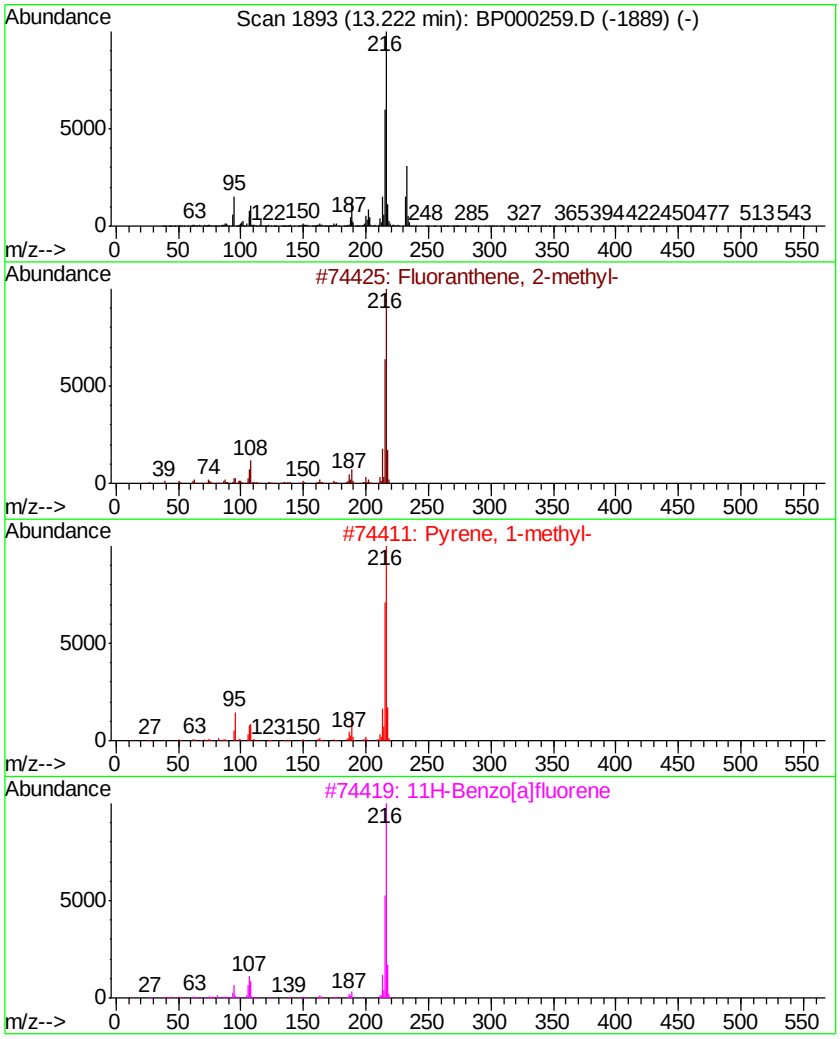
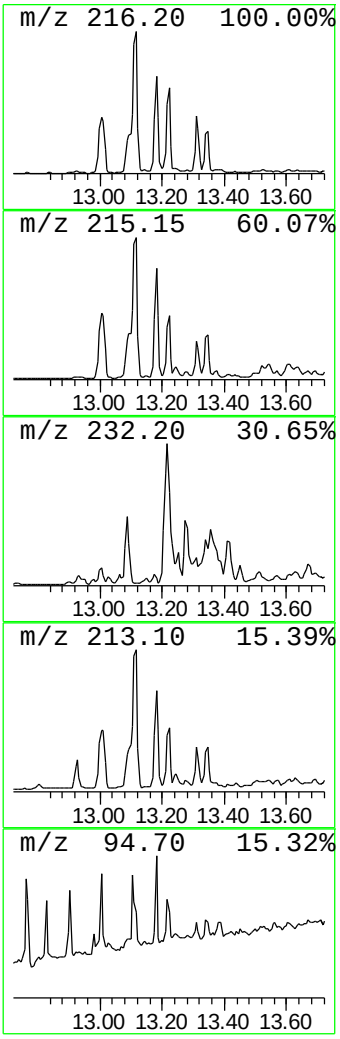
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.62 ng	985937	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55





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Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

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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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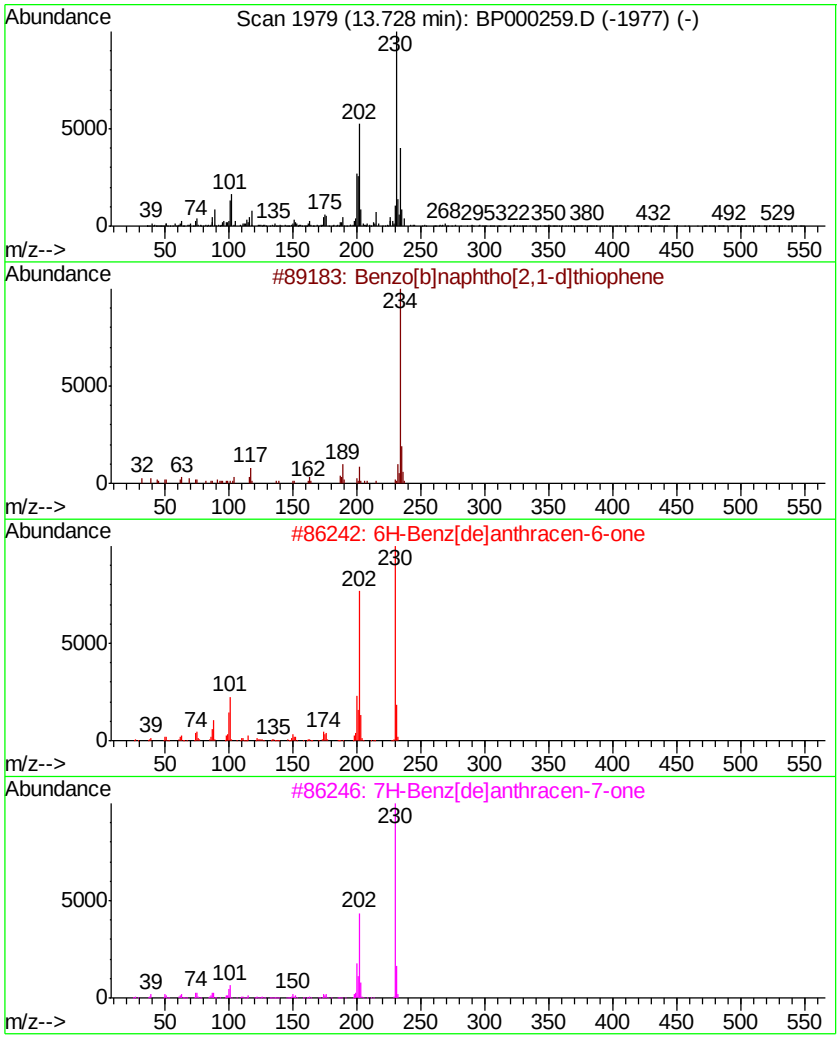
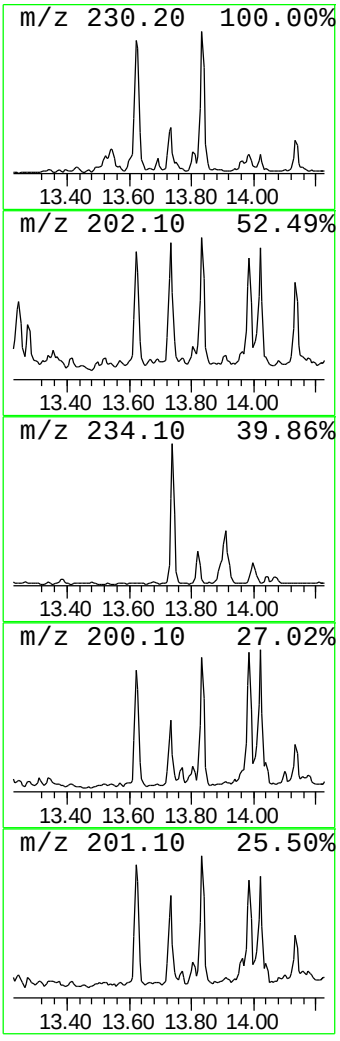
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.38 ng	894175	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	80
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64





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Sample : K4878-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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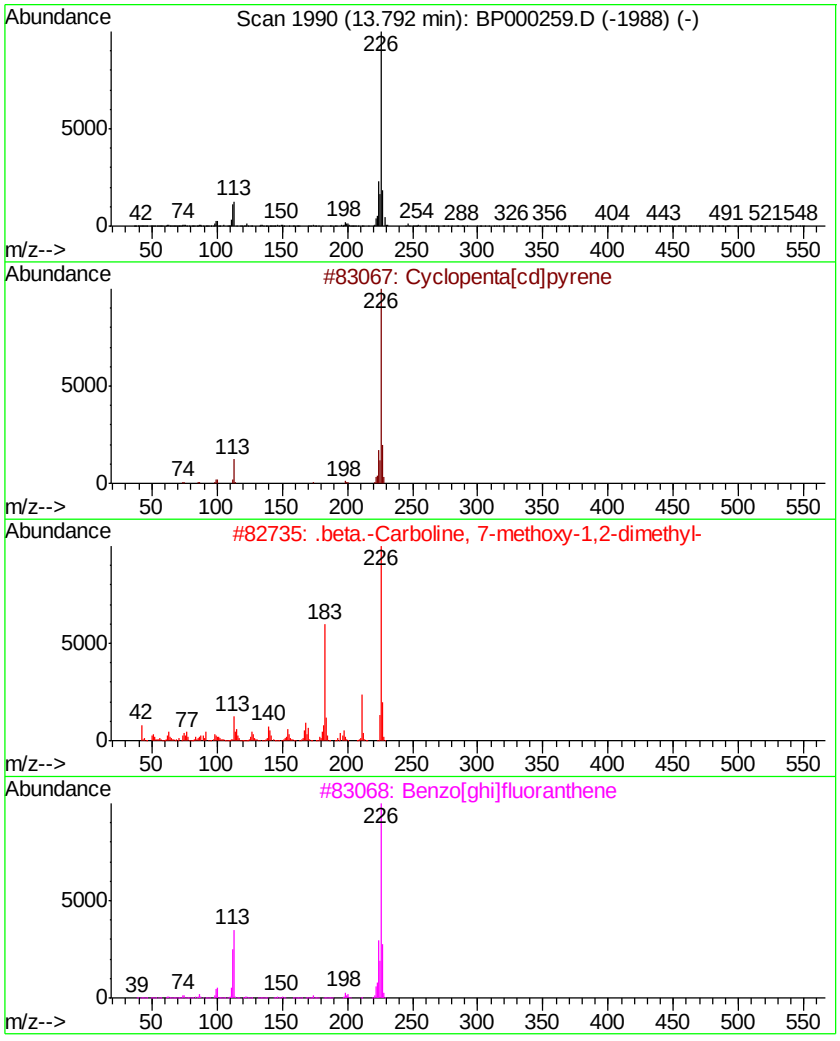
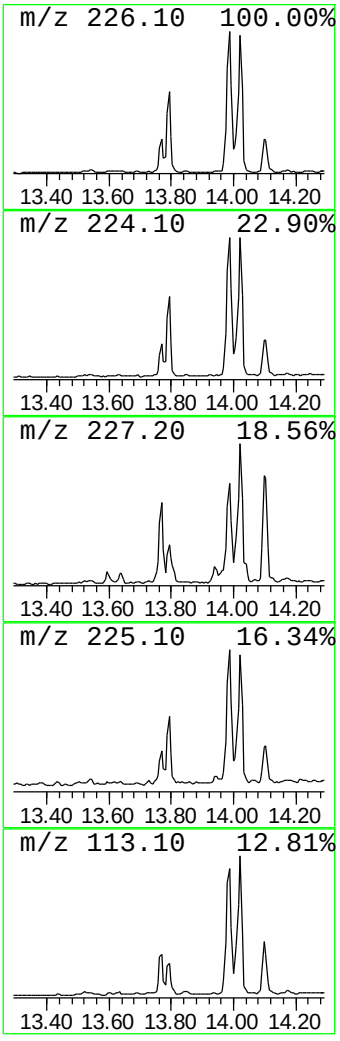
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.43 ng	913821	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	94
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	37
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





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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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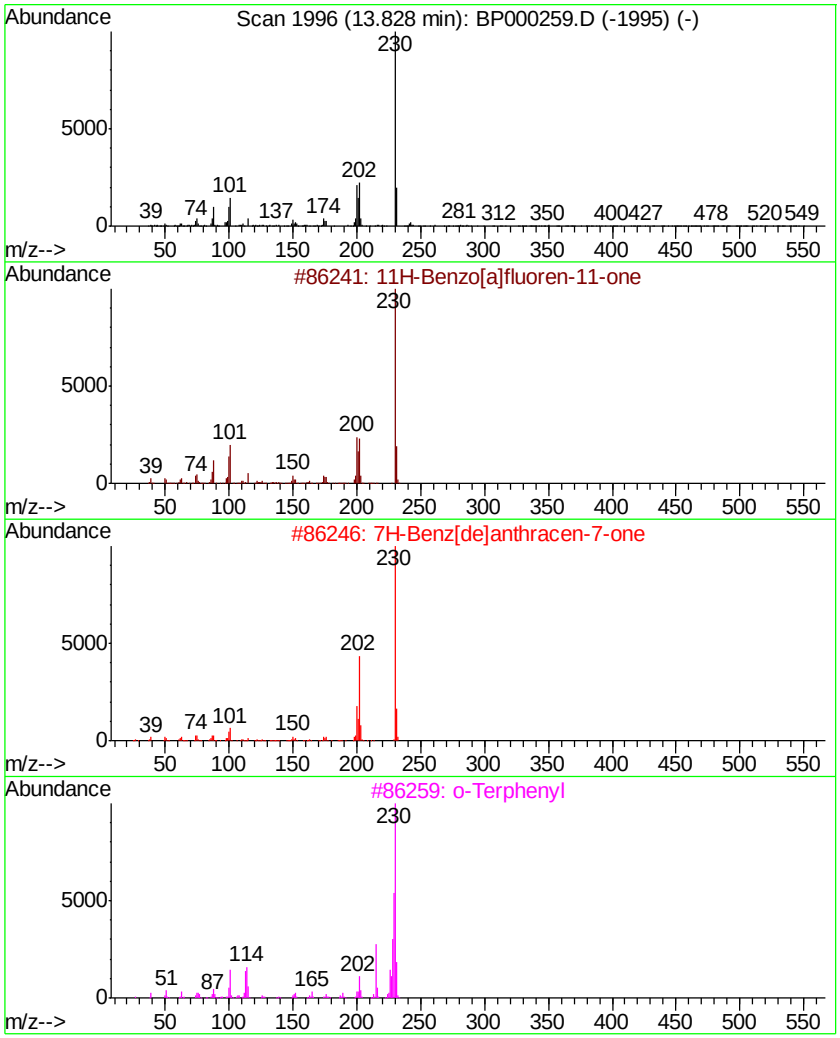
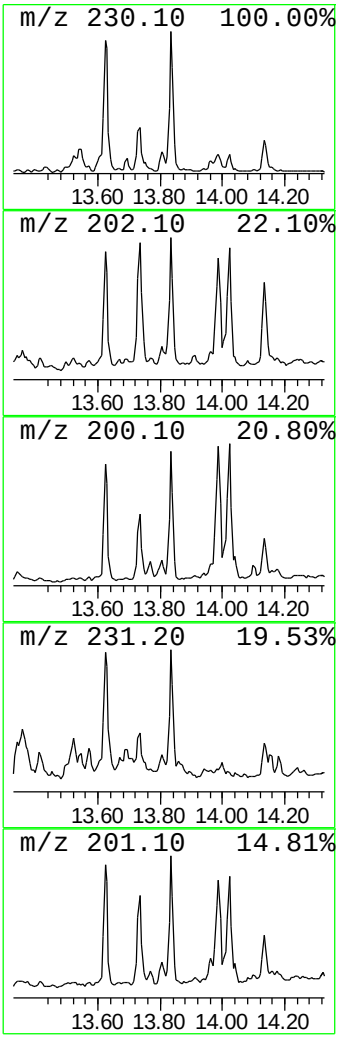
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.59 ng	974545	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091619\
Data File : BP000259.D
Acq On : 17 Sep 2019 00:26
Operator : HP/JU
Sample : K4878-13 2X
Misc :
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Instrument : BNA_P
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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
unknown6.56	6.56	29.1	ng	3136560	1	6.79	2155810	20.0
Anthracene, 9-met...	11.83	3.1	ng	546780	4	11.33	3520140	20.0
Anthracene, 2-met...	11.86	5.7	ng	1005200	4	11.33	3520140	20.0
Phenanthrene, 2-m...	11.91	2.8	ng	495017	4	11.33	3520140	20.0
4H-Cyclopenta[def...	11.95	8.2	ng	1442630	4	11.33	3520140	20.0
1H-Cyclopropa[l]p...	11.97	2.5	ng	439205	4	11.33	3520140	20.0
Naphthalene, 2-ph...	12.13	2.9	ng	509888	4	11.33	3520140	20.0
Phenanthrene, 2,5...	12.39	2.6	ng	466343	4	11.33	3520140	20.0
Naphthalene, 1-ph...	12.43	2.5	ng	447233	4	11.33	3520140	20.0
Cyclopenta(def)ph...	12.47	3.0	ng	530541	4	11.33	3520140	20.0
Pyrene, 1-methyl-	13.00	2.7	ng	1004770	5	14.00	7513740	20.0
11H-Benzo[b]fluorene	13.12	3.1	ng	1150200	5	14.00	7513740	20.0
Fluoranthene, 2-m...	13.22	2.6	ng	985937	5	14.00	7513740	20.0
Benzo[b]naphtho[2...	13.73	2.4	ng	894175	5	14.00	7513740	20.0
Cyclopenta[cd]pyrene	13.79	2.4	ng	913821	5	14.00	7513740	20.0
11H-Benzo[a]fluor...	13.83	2.6	ng	974545	5	14.00	7513740	20.0