LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAT-1-051123

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133379.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.234	359	365	371	rBV	53888	71103	2.18%	0.204%
2	4.887	472	476	482	rBV	270196	271162	8.31%	0.777%
3	5.328	547	551	568	rBV	781121	742086	22.74%	2.127%
4	6.363	723	727	744	rBV	816663	784768	24.05%	2.249%
5	6.722	784	788	791	rBV	1484811	1176074	36.04%	3.371%
6	7.281	880	883	889	rBV	521417	422830	12.96%	1.212%
7	8.004	1003	1006	1009	rBV	1965144	1512235	46.34%	4.335%
8	8.028	1009	1010	1016	rVB2	75779	59705	1.83%	0.171%
9	8.816	1141	1144	1149	rBV	42848	39722	1.22%	0.114%
10	9.081	1185	1189	1192	rBV	1055295	860837	26.38%	2.468%
11	9.169	1200	1204	1208	rBV2	31143	40035	1.23%	0.115%
12	9.339	1230	1233	1238	rBV2	31043	46990	1.44%	0.135%
13	9.416	1243	1246	1249	rBV	59490	56689	1.74%	0.162%
14	9.616	1275	1280	1285	rBV	146503	123995	3.80%	0.355%
15	9.757	1298	1304	1307	rBV	1929666	1505336	46.13%	4.315%
16	9.786	1307	1309	1313	rVB	194944	160960	4.93%	0.461%
17	9.916	1326	1331	1335	rBV5	25421	39622	1.21%	0.114%
18	9.963	1335	1339	1342	rVV	104959	102902	3.15%	0.295%
19	9.998	1343	1345	1352	rVB3	37502	45303	1.39%	0.130%
20	10.075	1355	1358	1361	rBV2	42780	42777	1.31%	0.123%
21	10.163	1369	1373	1375	rBV2	36024	39103	1.20%	0.112%
22	10.304	1394	1397	1403	rVB	205695	201716	6.18%	0.578%
23	10.369	1403	1408	1410	rBV	42052	53712	1.65%	0.154%
24	10.463	1421	1424	1428	rVB	131885	127400	3.90%	0.365%
25	10.545	1434	1438	1442	rBV	463511	426846	13.08%	1.224%
26	10.669	1455	1459	1466	rVB3	91376	134516	4.12%	0.386%
27	10.851	1486	1490	1493	rBV2	62531	68914	2.11%	0.198%
28	10.933	1501	1504	1507	rVB2	34341	37064	1.14%	0.106%
29	10.981	1507	1512	1514	rVV3	52064	64909	1.99%	0.186%
30	11.004	1514	1516	1521	rVV	59073	65046	1.99%	0.186%
31	11.045	1521	1523	1527	rVV2	57036	57322	1.76%	0.164%
32	11.092	1528	1531	1533	rVV2	55990	68350	2.09%	0.196%
33	11.139	1536	1539	1544	rVB2	117558	140599	4.31%	0.403%
34	11.239	1552	1556	1558	rBV	1625847	1397251	42.81%	4.005%
35	11.263	1558	1560	1564	rVV	2082331	1783515	54.65%	5.112%
36	11.316	1564	1569	1572	rVV	677980	565188	17.32%	1.620%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.351	1572	1575	1579	rVB2	76192	75332	2.31%	0.216%
38	11.475	1593	1596	1598	rBV	89604	77800	2.38%	0.223%
39	11.539	1604	1607	1610	rBV	101859	81867	2.51%	0.235%
40	11.569	1610	1612	1618	rVB3	46582	58262	1.79%	0.167%
41	11.745	1638	1642	1644	rBV	233824	223477	6.85%	0.641%
42	11.769	1644	1646	1650	rVV	375933	340100	10.42%	0.975%
43	11.816	1651	1654	1657	rVV	158645	143433	4.39%	0.411%
44	11.851	1657	1660	1663	rVV	537842	566626	17.36%	1.624%
45	11.875	1663	1664	1669	rVB	204458	139707	4.28%	0.400%
46	11.922	1669	1672	1674	rBV3	36899	39236	1.20%	0.112%
47	11.945	1674	1676	1679	rVV	69559	63047	1.93%	0.181%
48	12.039	1689	1692	1694	rBV	221050	186297	5.71%	0.534%
49	12.063	1694	1696	1700	rVB2	150137	120709	3.70%	0.346%
50	12.186	1715	1717	1720	rVB	72347	54043	1.66%	0.155%
51	12.216	1720	1722	1724	rBV	81045	72662	2.23%	0.208%
52	12.239	1724	1726	1729	rVB2	65271	60642	1.86%	0.174%
53	12.292	1731	1735	1738	rBV	175202	195184	5.98%	0.559%
54	12.333	1738	1742	1747	rVB3	160397	221741	6.79%	0.636%
55	12.375	1747	1749	1754	rBV2	140351	158110	4.84%	0.453%
56	12.457	1758	1763	1766	rBV	3650577	3263598	100.00%	9.355%
57	12.498	1768	1770	1772	rVV	52206	58031	1.78%	0.166%
58	12.545	1776	1778	1781	rBV	70272	67730	2.08%	0.194%
59	12.604	1786	1788	1791	rVV	97114	89672	2.75%	0.257%
60	12.680	1795	1801	1804	rBV	2831628	3260783	99.91%	9.347%
61	12.733	1808	1810	1815	rVB2	107443	125071	3.83%	0.359%
62	12.798	1818	1821	1823	rBV	193436	190478	5.84%	0.546%
63	12.822	1823	1825	1833	rVB2	938454	912353	27.96%	2.615%
64	12.904	1833	1839	1842	rBV2	190098	338890	10.38%	0.971%
65	12.986	1850	1853	1854	rBV2	125554	127533	3.91%	0.366%
66	13.010	1854	1857	1860	rVB2	532961	456748	14.00%	1.309%
67	13.075	1864	1868	1871	rBV2	455141	441245	13.52%	1.265%
68	13.116	1871	1875	1877	rBV2	278644	297453	9.11%	0.853%
69	13.204	1888	1890	1893	rVB	139809	109348	3.35%	0.313%
70	13.233	1893	1895	1899	rBV2	143831	163815	5.02%	0.470%
71	13.404	1922	1924	1927	rBV2	105058	110937	3.40%	0.318%
72	13.516	1941	1943	1948	rVB	141678	158407	4.85%	0.454%
73	13.627	1959	1962	1964	rBV2	190677	177122	5.43%	0.508%
74	13.657	1964	1967	1969	rBV	153679	129229	3.96%	0.370%
75	13.680	1969	1971	1972	rBV	139544	113035	3.46%	0.324%
76	13.727	1977	1979	1987	rVB3	174456	239741	7.35%	0.687%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.874	2000	2004	2007	rBV2	1631877	2314215	70.91%	6.634%
78	13.904	2007	2009	2012	rVB	1191452	902491	27.65%	2.587%
79	13.986	2020	2023	2025	rVB	255207	220338	6.75%	0.632%
80	14.357	2084	2086	2089	rVB3	177327	152279	4.67%	0.436%
81	14.898	2174	2178	2185	rBV	871959	1616437	49.53%	4.633%
82	15.186	2224	2227	2232	rVB	495580	573308	17.57%	1.643%
83	15.245	2233	2237	2243	rVV	770607	890192	27.28%	2.552%
84	15.304	2244	2247	2250	rVV	639210	784593	24.04%	2.249%
85	15.333	2250	2252	2258	rVB	348574	386690	11.85%	1.108%

Sum of corrected areas: 34886619

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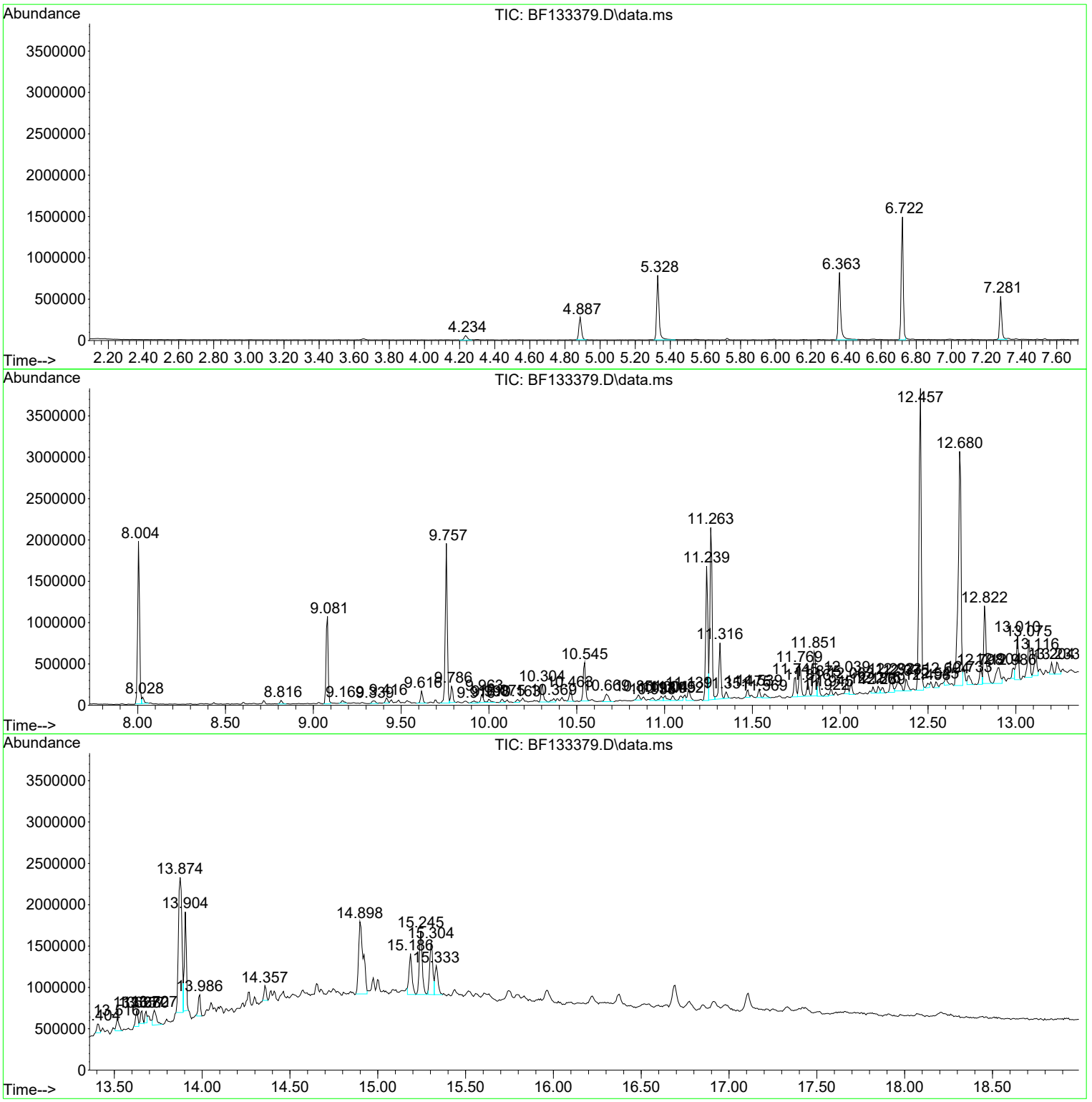
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

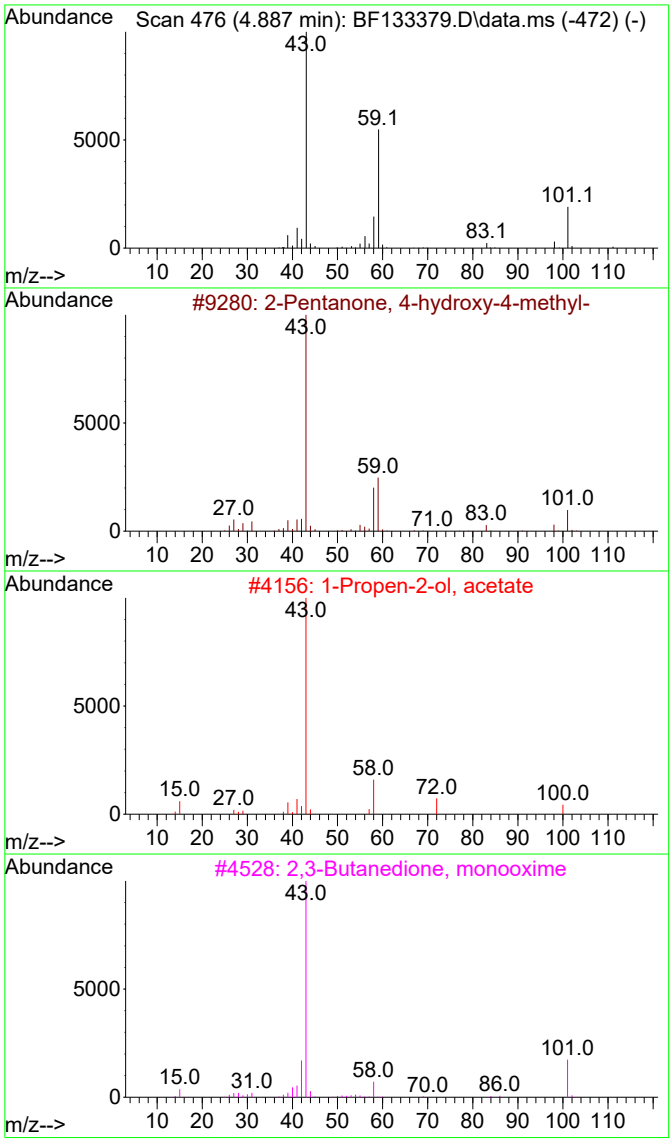
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

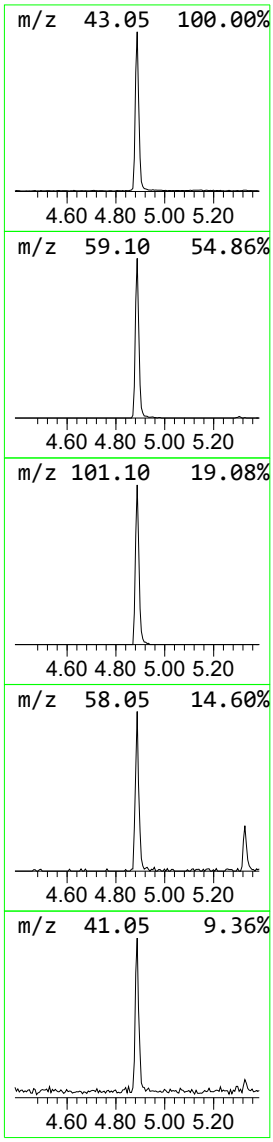
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	4.61 ng	271162	1,4-Dichlorobenzene-d4	6.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

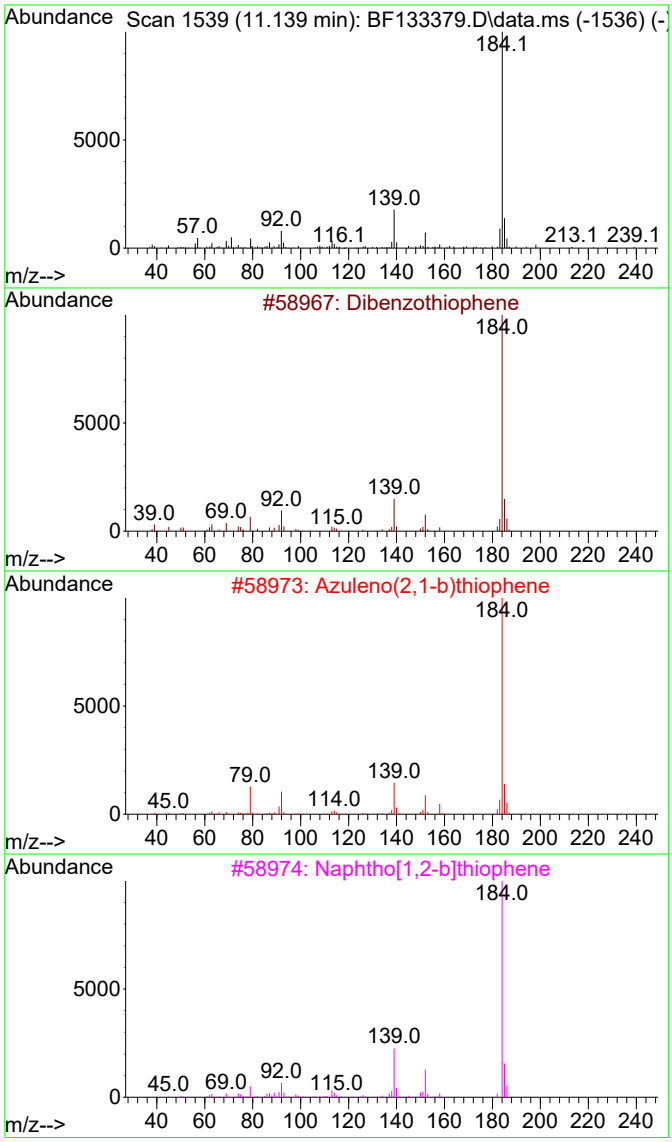
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

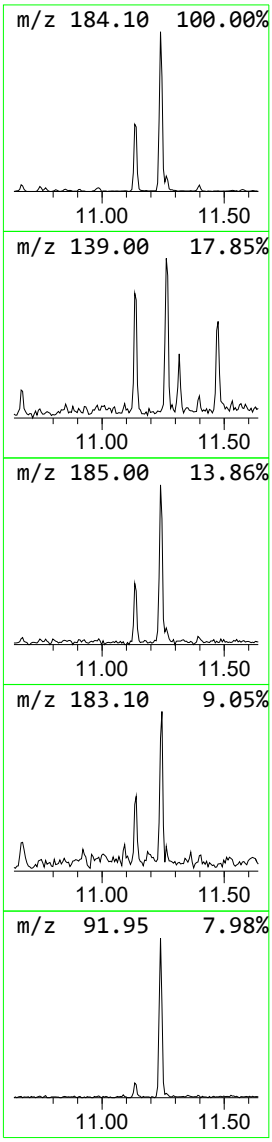
****

Peak Number 2 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	2.01 ng	140599	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

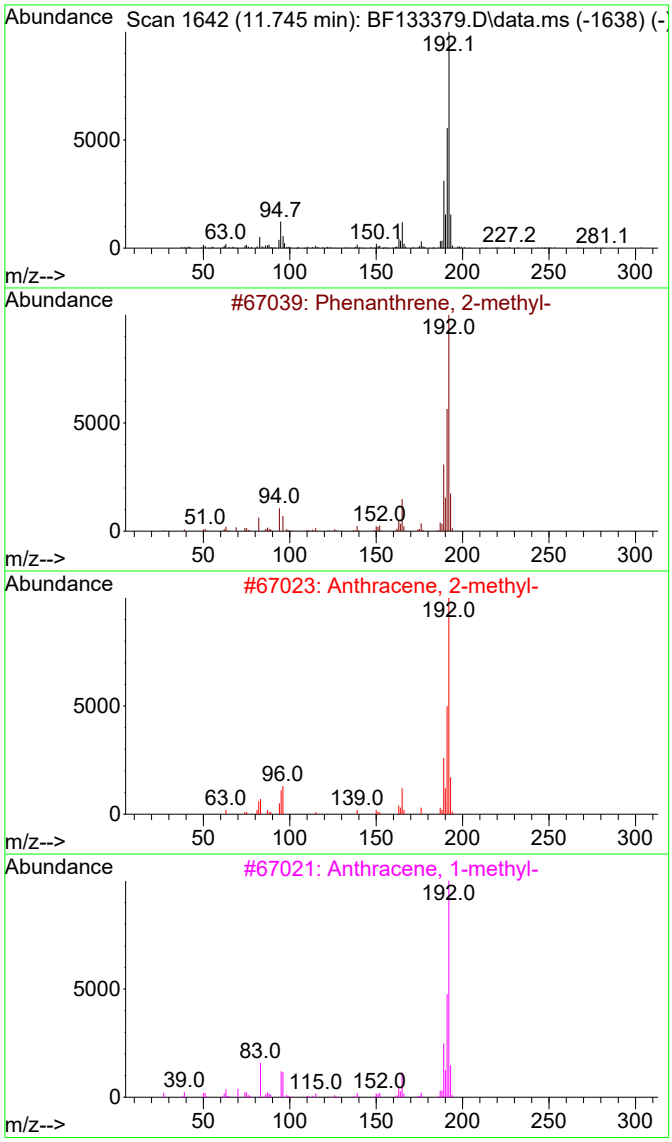
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

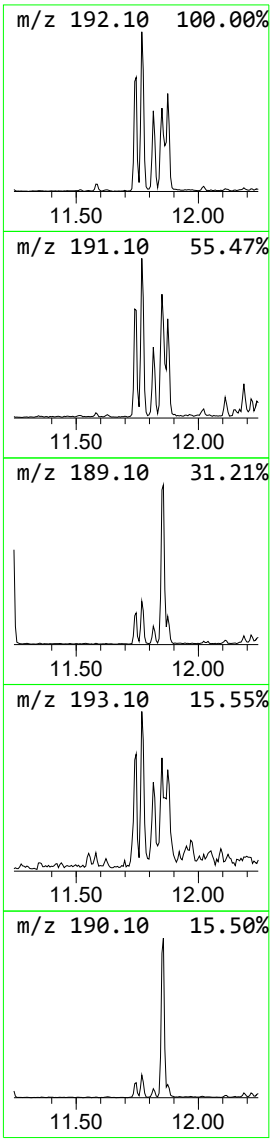
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.745	3.20 ng	223477	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

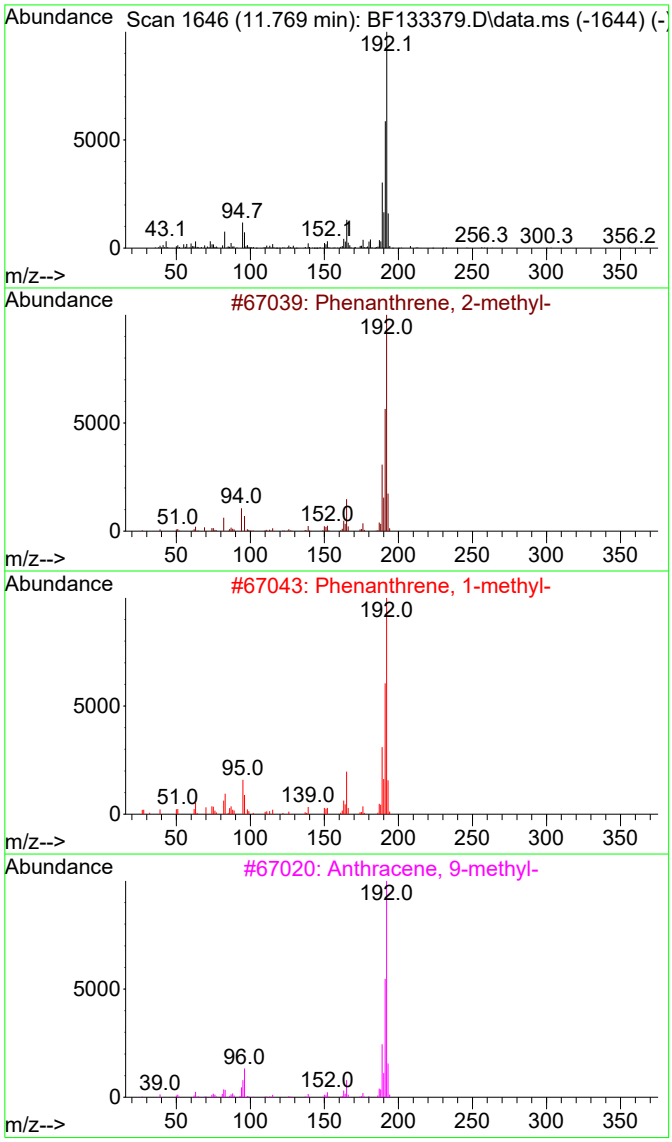
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

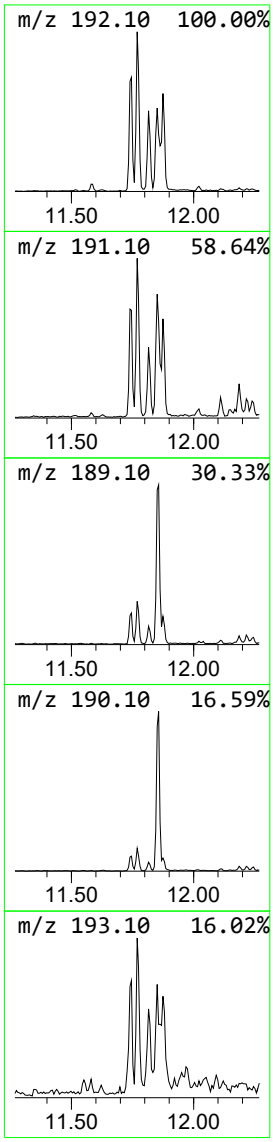
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	4.87 ng	340100	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

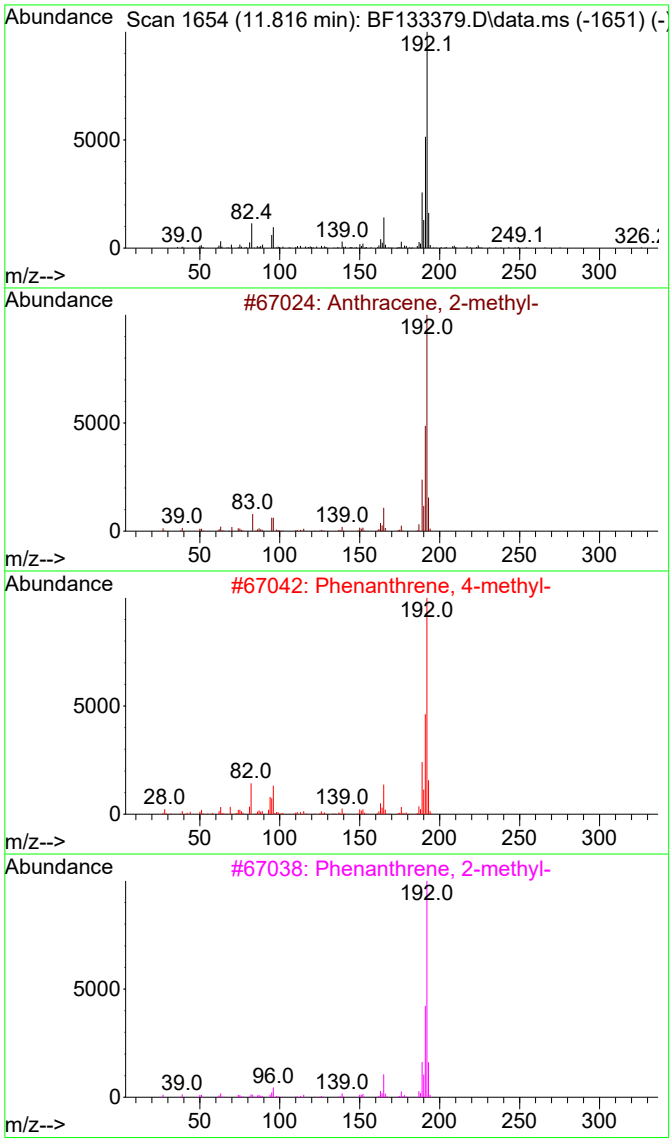
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

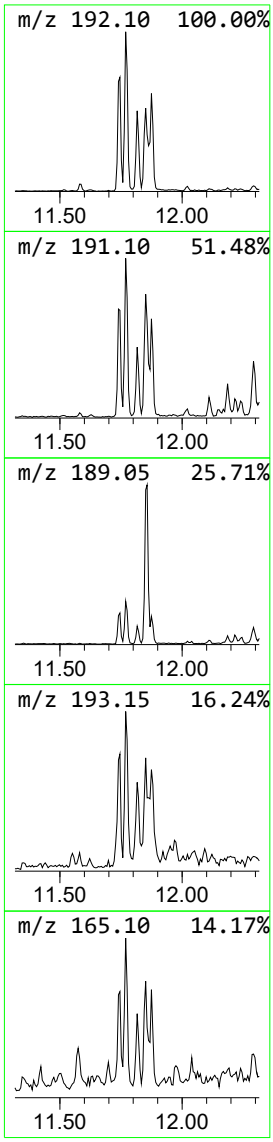
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	2.05 ng	143433	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

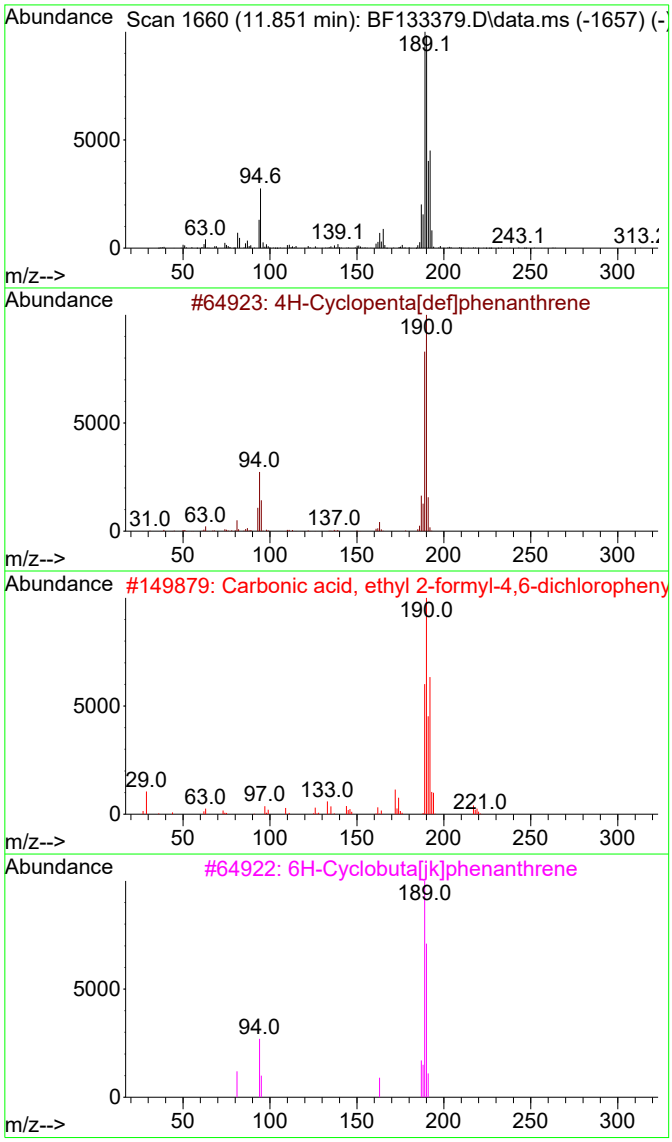
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

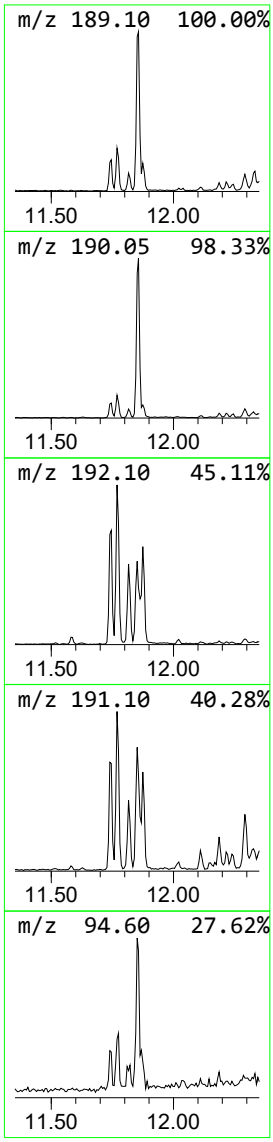
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	8.11 ng	566626	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	23





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Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

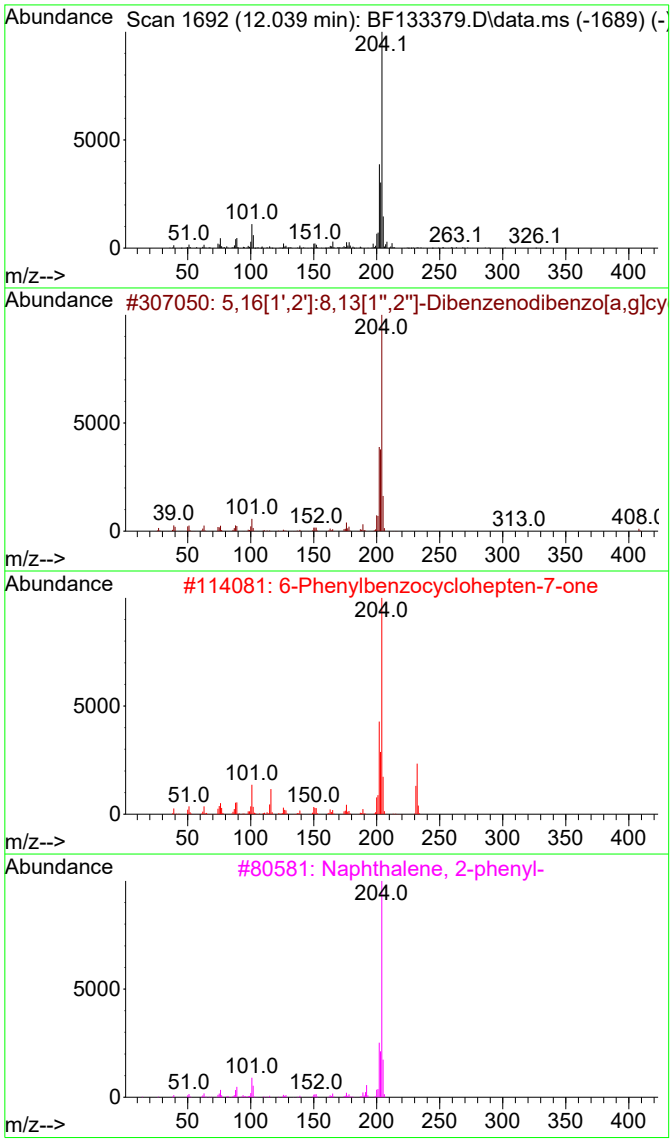
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

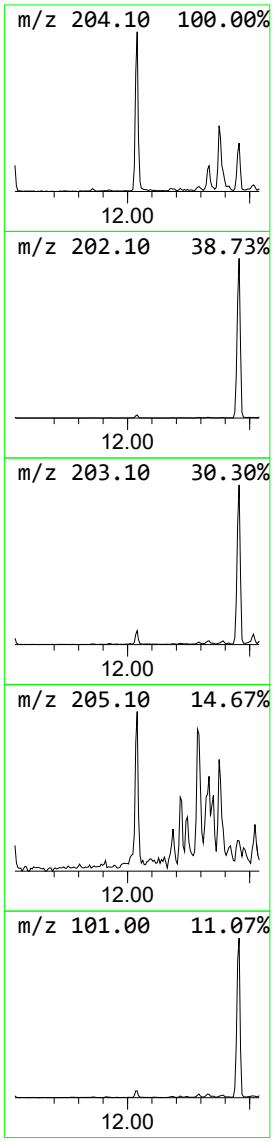
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	2.67 ng	186297	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

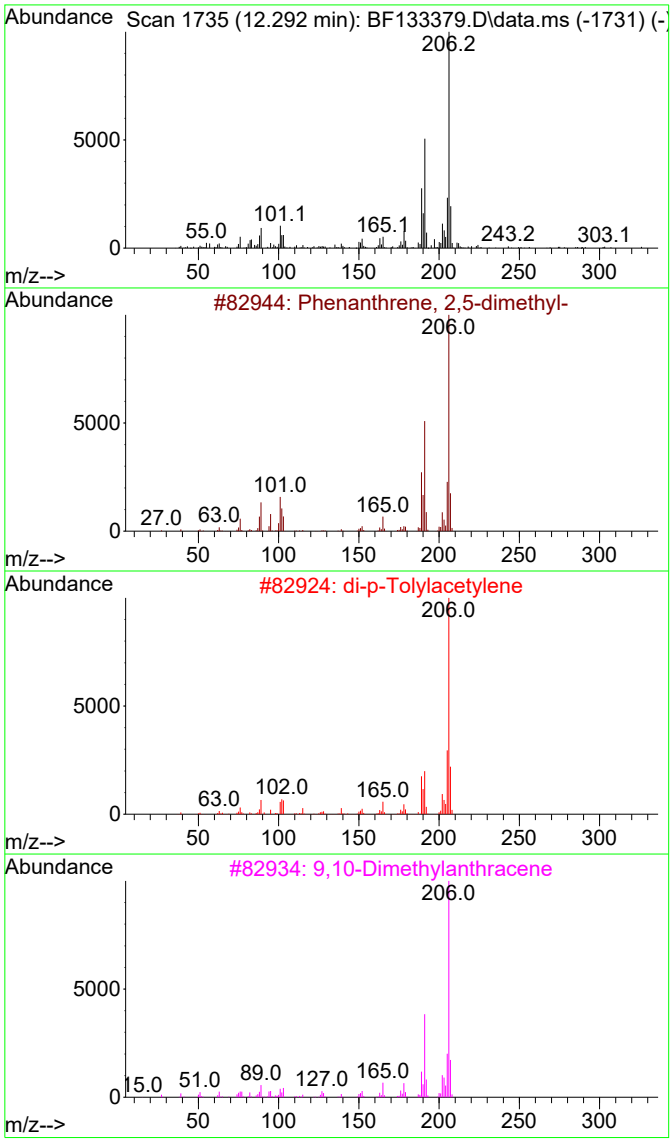
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

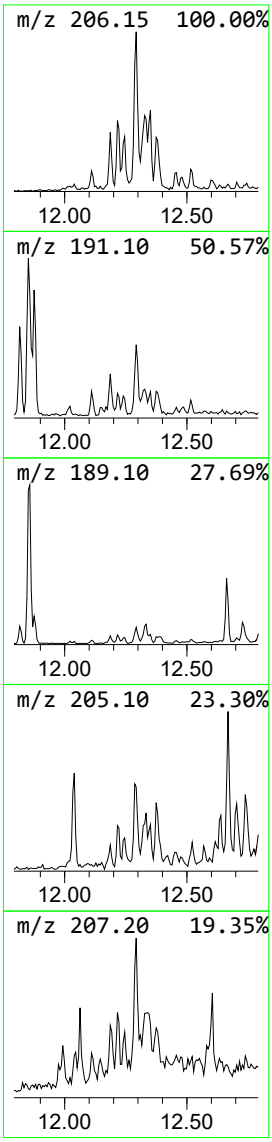
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	2.79 ng	195184	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

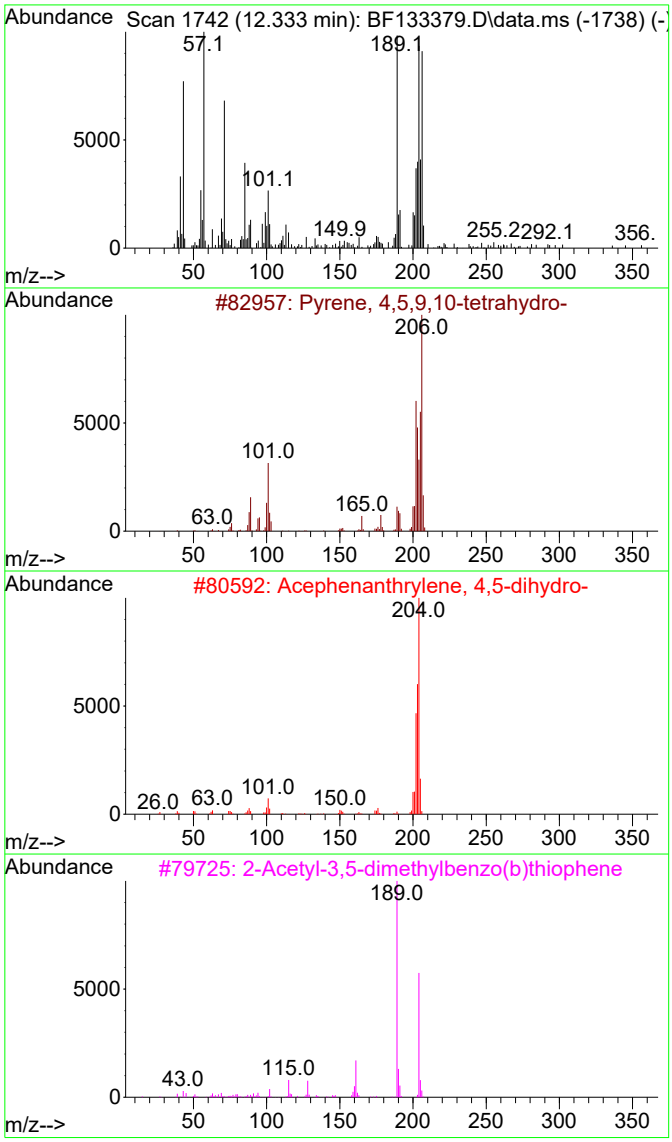
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

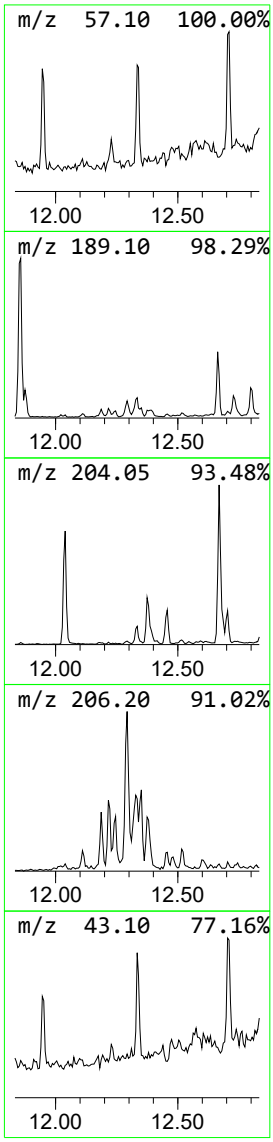
****

Peak Number 9 unknown12.333 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	3.17 ng	221741	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
3	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	30
4	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	27
5	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	25





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Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-1-051123

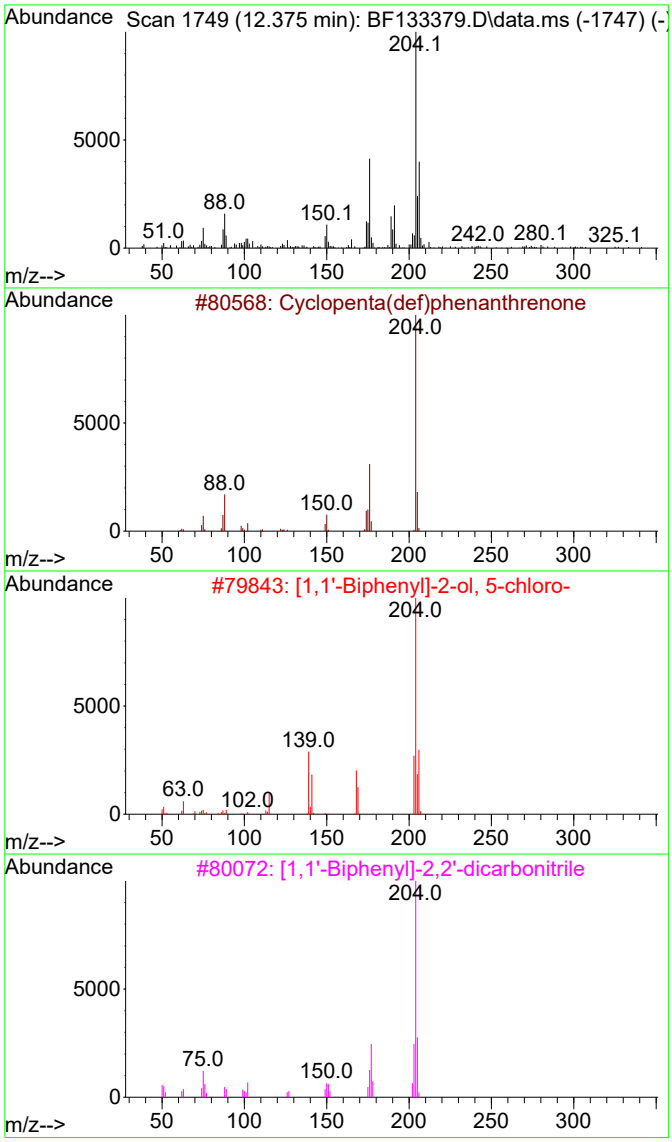
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

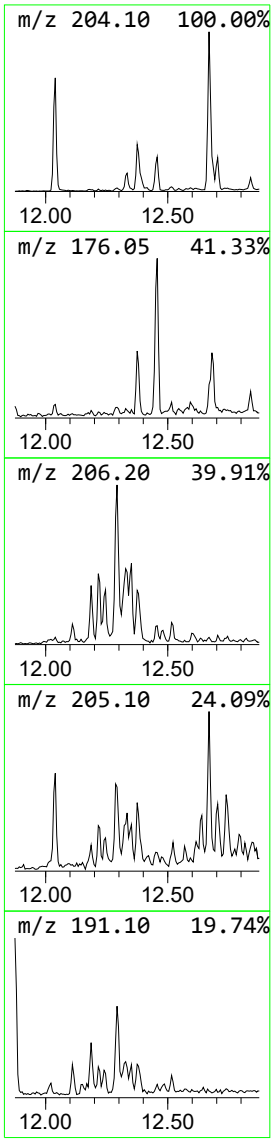
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.375	2.26 ng	158110	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





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Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

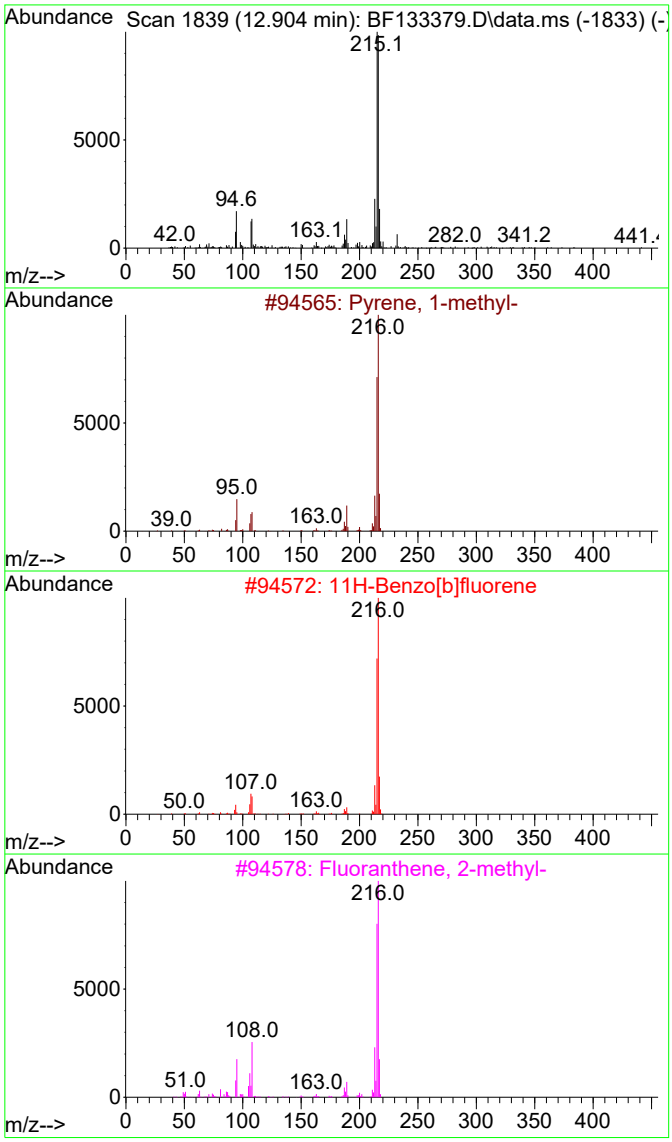
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

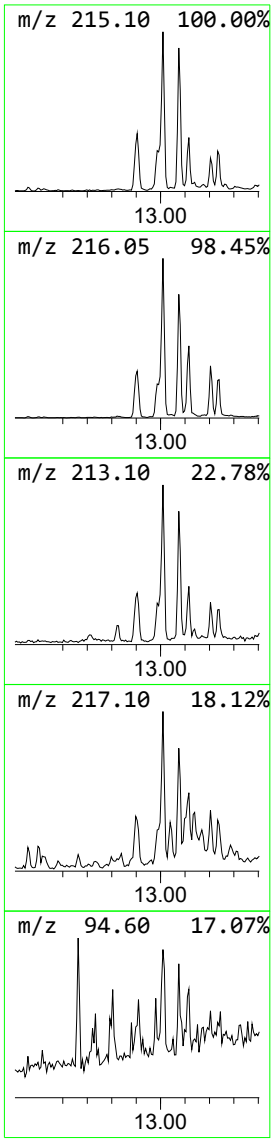
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	2.93 ng	338890	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

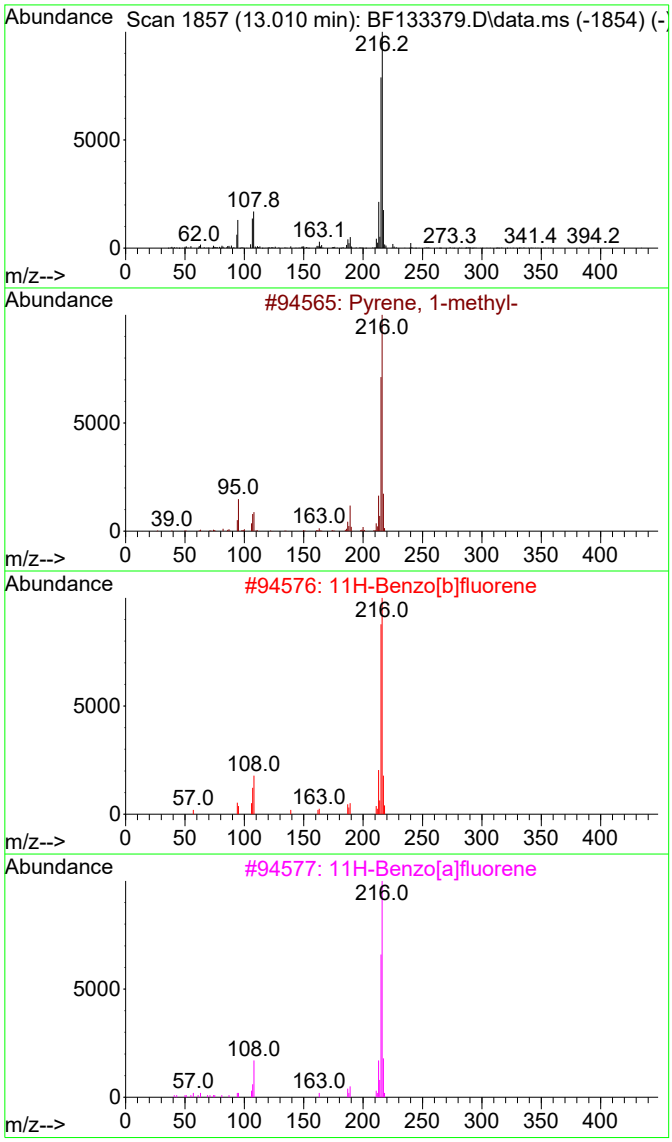
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

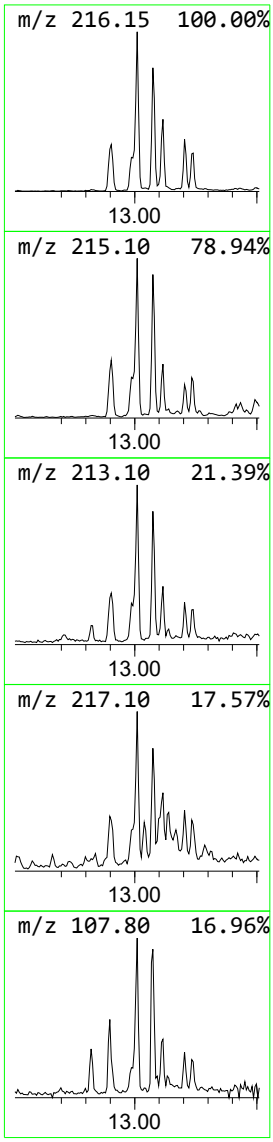
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.010	3.95 ng	456748	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

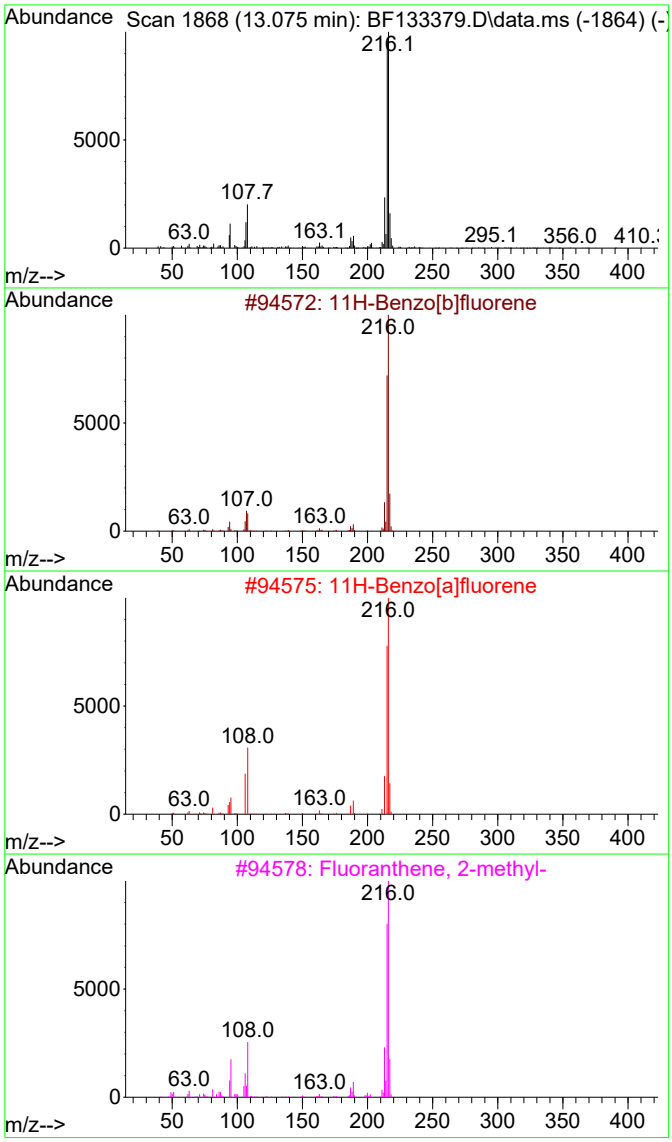
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

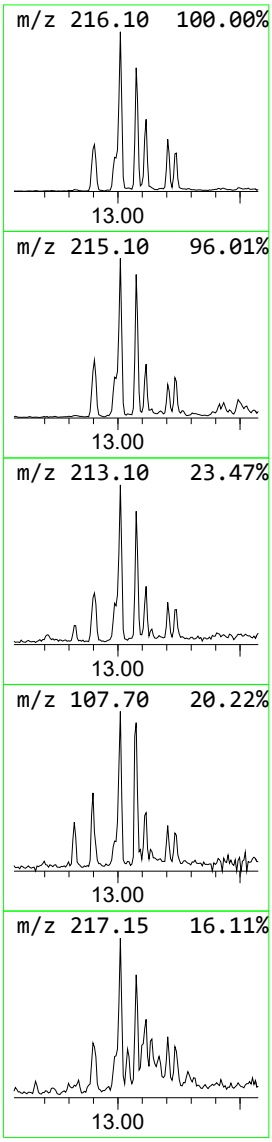
****

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.075	3.81 ng	441245	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	53





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Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

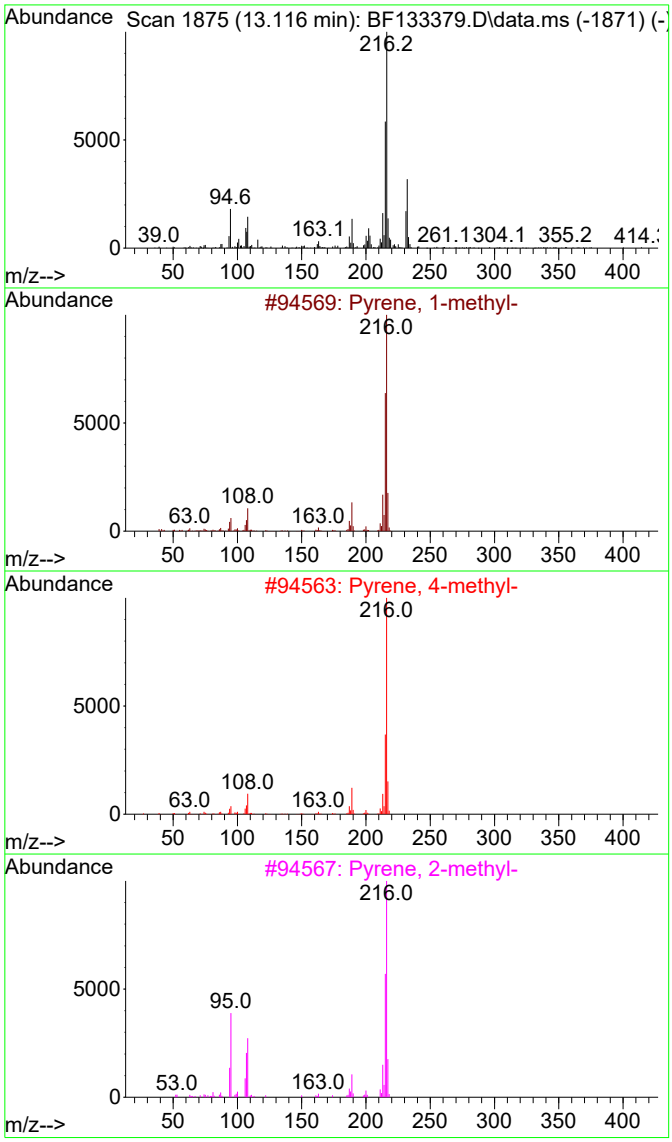
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

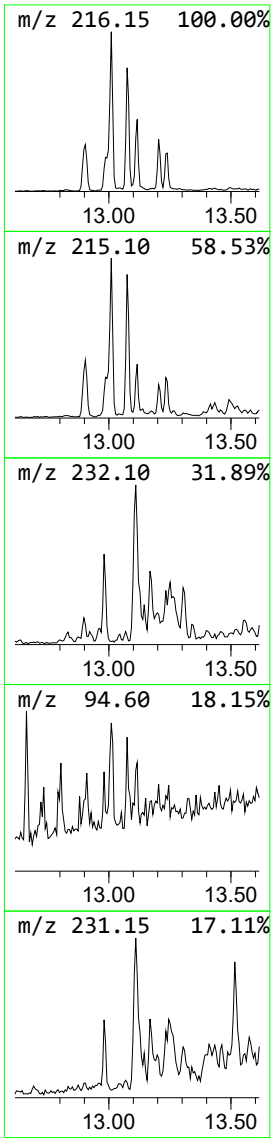
****

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	2.57 ng	297453	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

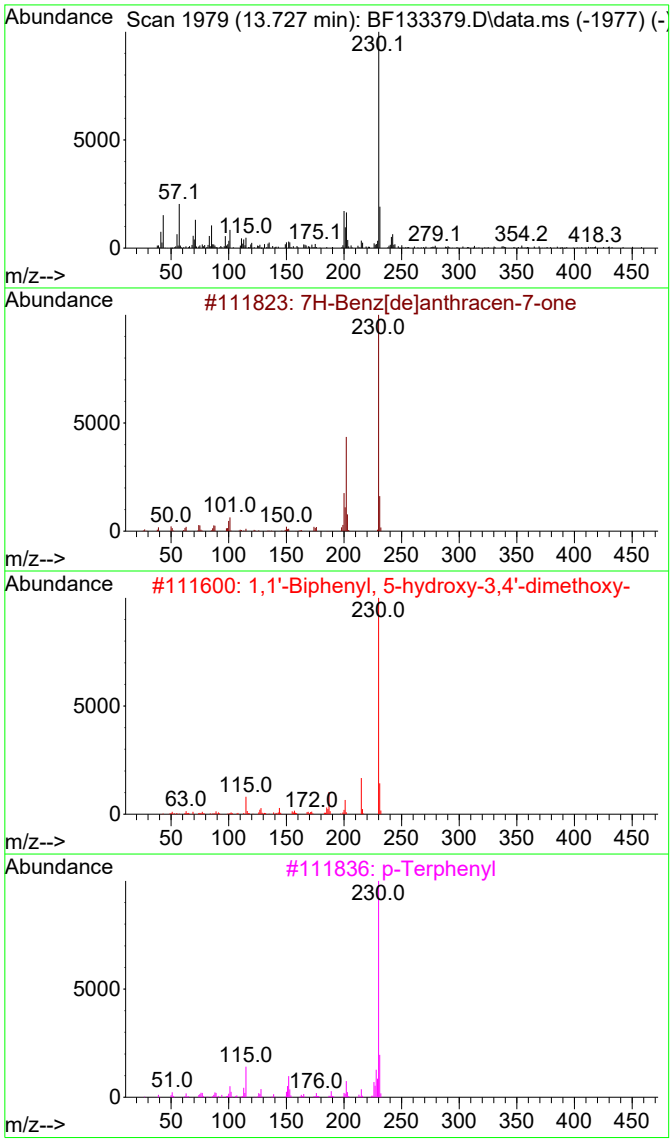
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

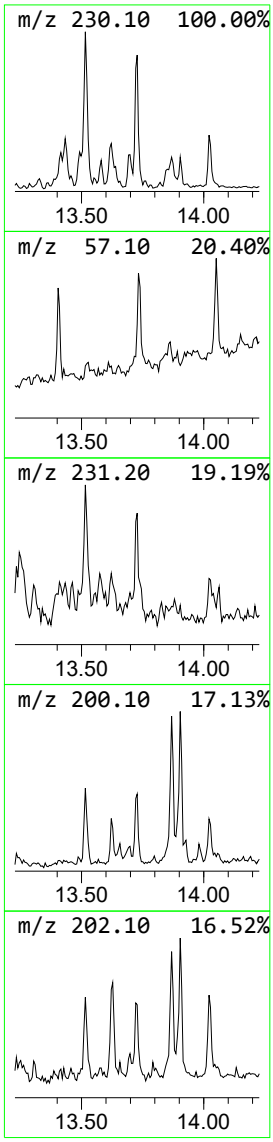
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.727	2.07 ng	239741	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
2	1,1'-Biphenyl, 5-hydroxy-3,4'-di...	230	C14H14O3	119101-26-7	59
3	p-Terphenyl	230	C18H14	000092-94-4	53
4	m-Terphenyl	230	C18H14	000092-06-8	53
5	o-Terphenyl	230	C18H14	000084-15-1	53





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Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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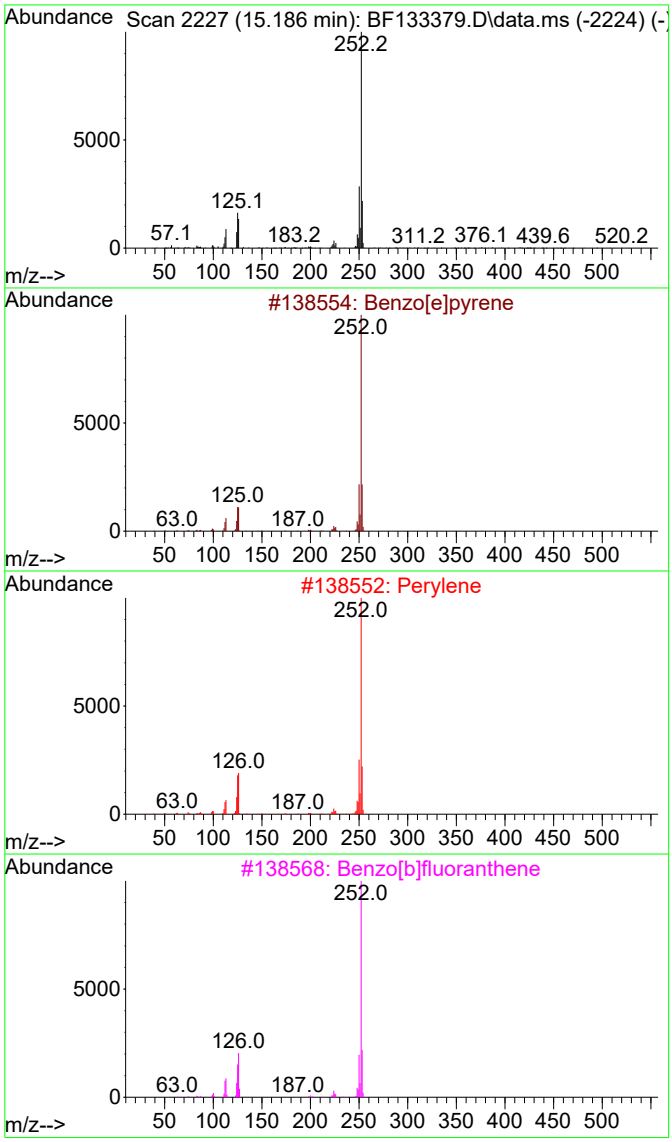
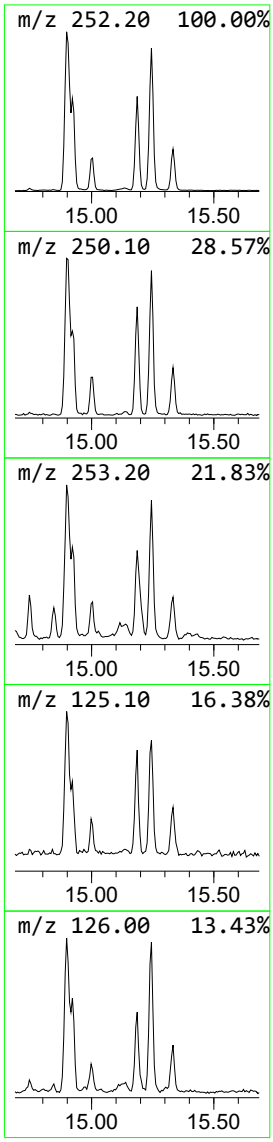
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.186	14.61 ng	573308	Perylene-d12	15.304

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	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.887	4.6	ng	271162	1	6.722	1176070	20.0
Dibenzothiophene	11.139	2.0	ng	140599	4	11.239	1397250	20.0
Phenanthrene, 2...	11.745	3.2	ng	223477	4	11.239	1397250	20.0
Phenanthrene, 1...	11.769	4.9	ng	340100	4	11.239	1397250	20.0
Anthracene, 2-m...	11.816	2.0	ng	143433	4	11.239	1397250	20.0
4H-Cyclopenta[d...	11.851	8.1	ng	566626	4	11.239	1397250	20.0
5,16[1',2']:8,1...	12.039	2.7	ng	186297	4	11.239	1397250	20.0
Phenanthrene, 2...	12.292	2.8	ng	195184	4	11.239	1397250	20.0
unknown12.333	12.333	3.2	ng	221741	4	11.239	1397250	20.0
Cyclopenta(def)...	12.375	2.3	ng	158110	4	11.239	1397250	20.0
Pyrene, 1-methyl-	12.904	2.9	ng	338890	5	13.880	2314220	20.0
11H-Benzo[b]flu...	13.010	4.0	ng	456748	5	13.880	2314220	20.0
11H-Benzo[a]flu...	13.075	3.8	ng	441245	5	13.880	2314220	20.0
Pyrene, 4-methyl-	13.116	2.6	ng	297453	5	13.880	2314220	20.0
7H-Benz[de]anth...	13.727	2.1	ng	239741	5	13.880	2314220	20.0
Benzo[e]pyrene	15.186	14.6	ng	573308	6	15.304	784593	20.0