LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : O1080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132010.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.398	559	563	573	rBV	1576124	1523039	1.36%	0.401%
2	6.434	735	739	742	rBV	1389553	1431878	1.28%	0.377%
3	7.051	838	844	849	rBV	2142155	2258993	2.02%	0.595%
4	7.828	968	976	980	rBV4	651807	1525748	1.36%	0.402%
5	7.875	980	984	996	rVB2	473619	1390046	1.24%	0.366%
6	8.239	1016	1046	1049	rBV2	16084456	112087968	100.00%	29.524%
7	8.834	1137	1147	1149	rVV	10320373	18803841	16.78%	4.953%
8	8.881	1149	1155	1156	rVV2	1018003	1565587	1.40%	0.412%
9	8.934	1156	1164	1166	rVB	8879417	14301344	12.76%	3.767%
10	9.157	1199	1202	1205	rVB	1524500	1166141	1.04%	0.307%
11	9.357	1225	1236	1242	rBV2	988834	1620138	1.45%	0.427%
12	9.434	1242	1249	1251	rBV	2018375	2878874	2.57%	0.758%
13	9.504	1255	1261	1263	rVV	2976760	3620365	3.23%	0.954%
14	9.534	1263	1266	1268	rVV	2318709	2028101	1.81%	0.534%
15	9.616	1275	1280	1286	rBV2	1088542	1681850	1.50%	0.443%
16	9.716	1290	1297	1300	rVV	5764937	7020369	6.26%	1.849%
17	9.881	1320	1325	1327	rVV	3685225	3327014	2.97%	0.876%
18	10.063	1350	1356	1358	rVV	6025343	7557988	6.74%	1.991%
19	10.410	1408	1415	1418	rVB	6752834	9312061	8.31%	2.453%
20	10.545	1435	1438	1441	rVB	1506979	1373203	1.23%	0.362%
21	10.633	1446	1453	1457	rVV2	2214823	2914571	2.60%	0.768%
22	10.939	1497	1505	1507	rBV	1452968	1768933	1.58%	0.466%
23	11.233	1551	1555	1557	rVV	2345072	2221064	1.98%	0.585%
24	11.410	1569	1585	1587	rBV	11357457	31416830	28.03%	8.275%
25	11.451	1587	1592	1594	rVV	7894367	9026820	8.05%	2.378%
26	11.580	1608	1614	1617	rBV	2103981	2475027	2.21%	0.652%
27	11.633	1620	1623	1627	rVV2	1339309	1176145	1.05%	0.310%
28	11.845	1654	1659	1661	rBV	2434796	2634833	2.35%	0.694%
29	11.875	1661	1664	1667	rVB	3216198	2903027	2.59%	0.765%
30	11.922	1667	1672	1675	rBV	1136010	1280456	1.14%	0.337%
31	11.963	1675	1679	1681	rBV	4105527	4907105	4.38%	1.293%
32	11.980	1681	1682	1685	rVV	1734561	1142952	1.02%	0.301%
33	12.139	1705	1709	1711	rVB	2822697	2391833	2.13%	0.630%
34	12.186	1711	1717	1719	rBV3	1114654	1298748	1.16%	0.342%
35	12.604	1776	1788	1790	rBV	10025475	23042154	20.56%	6.069%
36	12.663	1795	1798	1804	rVB	1768582	1764621	1.57%	0.465%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.716	1804	1807	1814	rBV2	1034960	1350020	1.20%	0.356%
38	12.839	1814	1828	1831	rBV3	9658431	25364805	22.63%	6.681%
39	12.916	1837	1841	1842	rBV	1266782	1183622	1.06%	0.312%
40	13.016	1851	1858	1861	rBV2	1194566	1892081	1.69%	0.498%
41	13.098	1867	1872	1873	rVV3	1056745	1394146	1.24%	0.367%
42	13.127	1873	1877	1879	rVV2	2206146	2631499	2.35%	0.693%
43	13.192	1884	1888	1890	rVV	1507041	1552000	1.38%	0.409%
44	13.227	1890	1894	1897	rVV2	1544287	1974999	1.76%	0.520%
45	13.351	1912	1915	1922	rVB2	1218153	1273254	1.14%	0.335%
46	13.633	1954	1963	1966	rBV2	888790	1194614	1.07%	0.315%
47	13.745	1976	1982	1984	rBV2	910374	1322463	1.18%	0.348%
48	13.769	1984	1986	1988	rVV	1430607	1373449	1.23%	0.362%
49	13.798	1988	1991	1993	rVV	1335036	1569902	1.40%	0.414%
50	13.827	1993	1996	1998	rVV2	1302921	1454319	1.30%	0.383%
51	14.004	2018	2026	2028	rBV2	5250794	9696925	8.65%	2.554%
52	14.051	2028	2034	2038	rVV2	6165980	9350234	8.34%	2.463%
53	14.116	2041	2045	2048	rVV	1398536	1328074	1.18%	0.350%
54	14.386	2088	2091	2093	rVV	1184571	1200999	1.07%	0.316%
55	15.068	2197	2207	2209	rBV2	3397735	7349290	6.56%	1.936%
56	15.368	2249	2258	2262	rVV	1981051	3750210	3.35%	0.988%
57	15.439	2262	2270	2274	rVV	2876959	5162430	4.61%	1.360%
58	15.521	2279	2284	2288	rVB2	1279570	1694219	1.51%	0.446%
59	16.980	2519	2532	2536	rBV	1205239	3081181	2.75%	0.812%
60	17.427	2596	2608	2616	rVB	928110	2665317	2.38%	0.702%

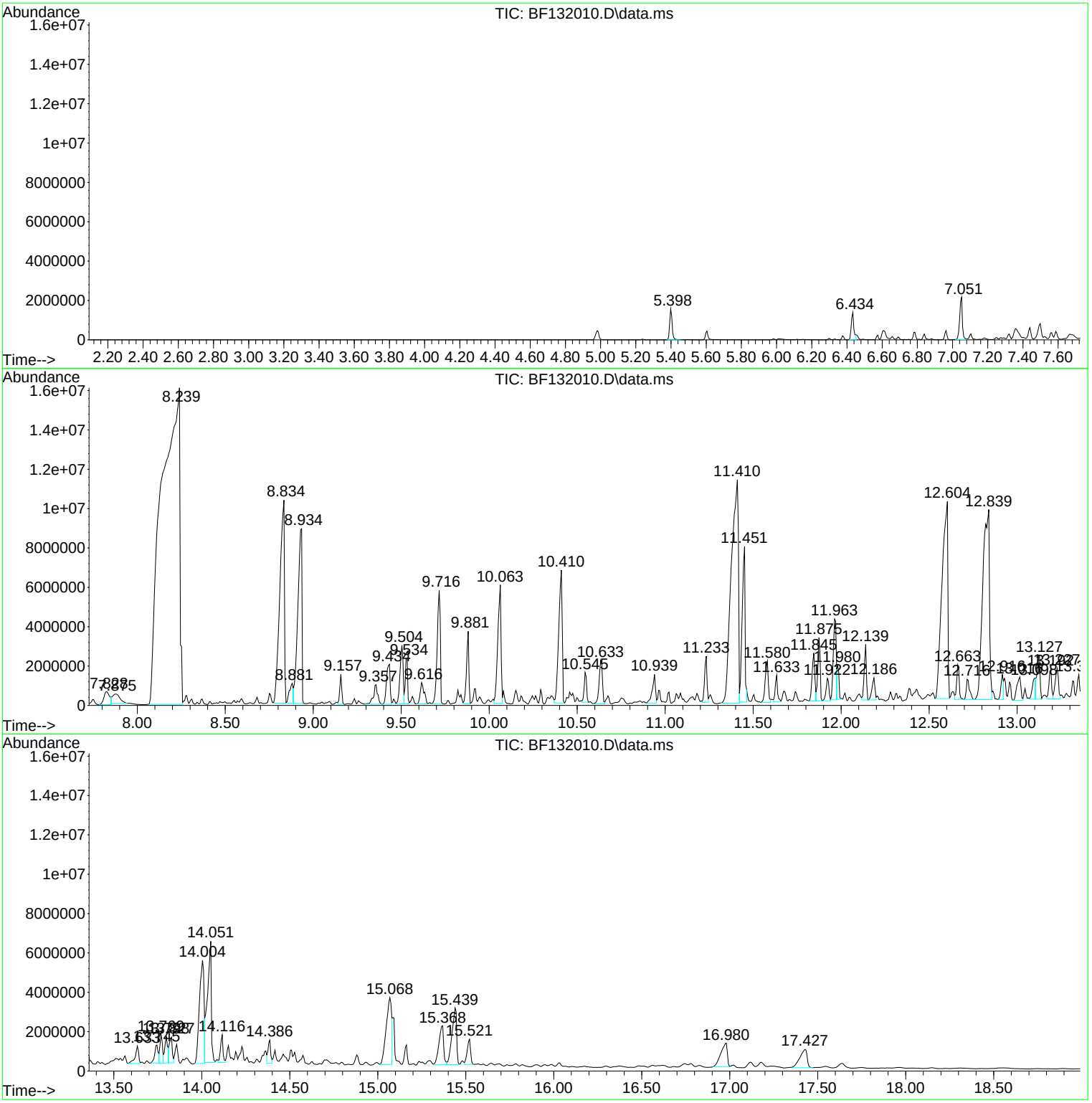
Sum of corrected areas: 379649719

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

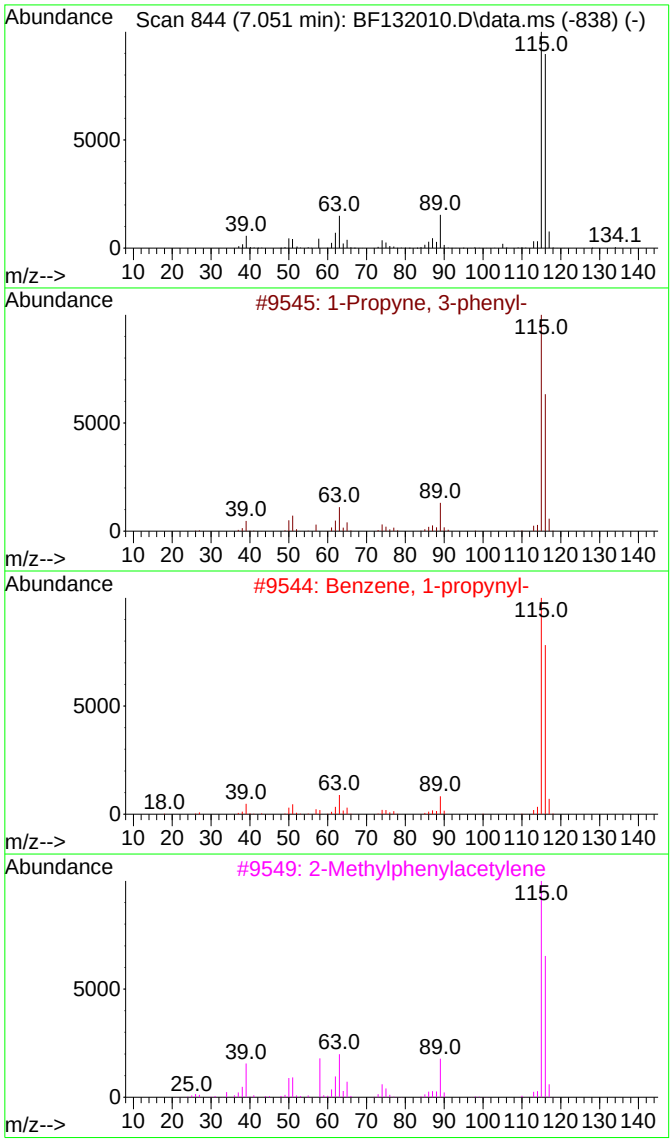
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

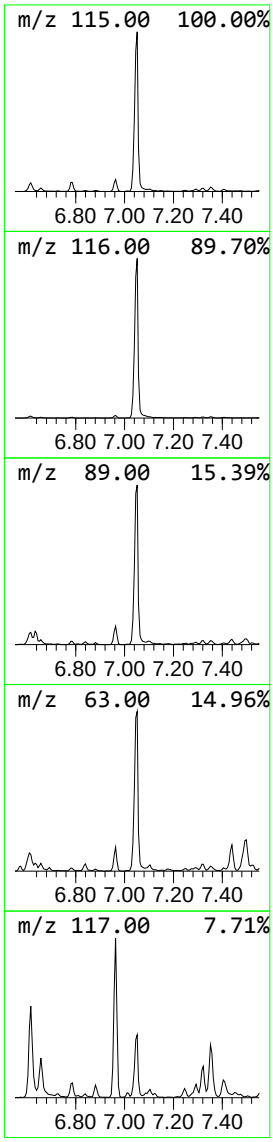
****

Peak Number 1 1-Propyne, 3-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.051	20.00 ng	2258990	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

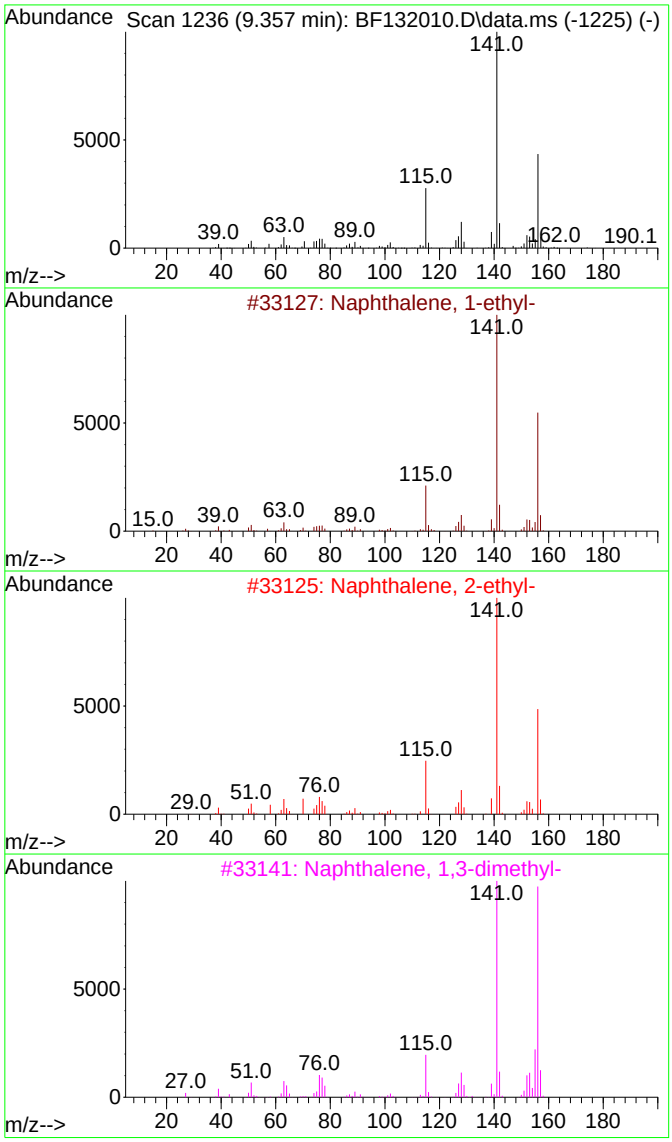
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

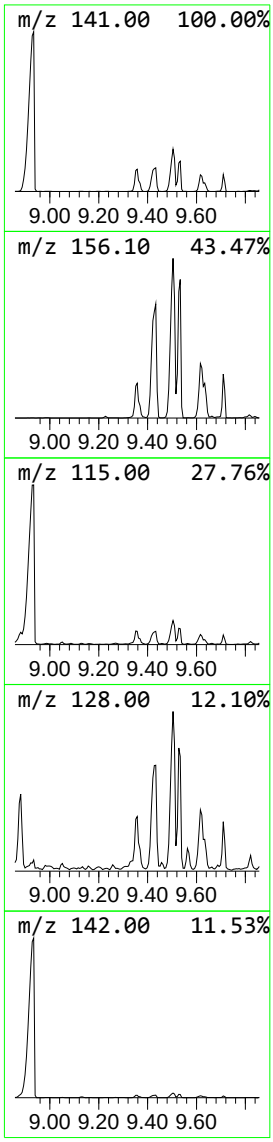
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.357	9.74 ng	1620140	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

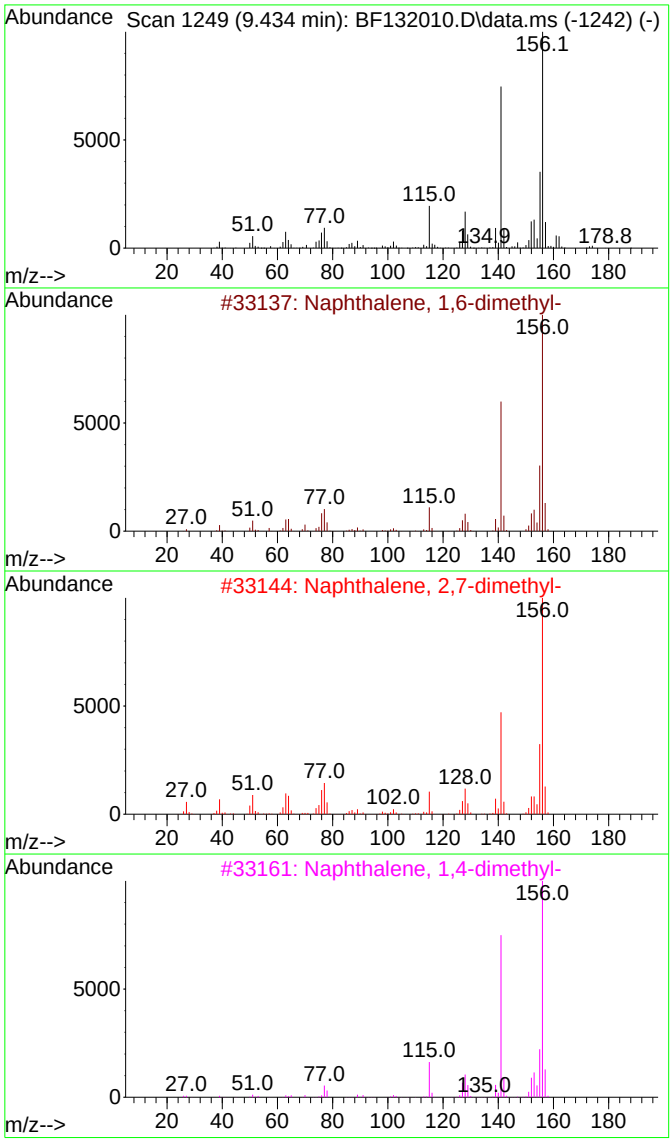
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

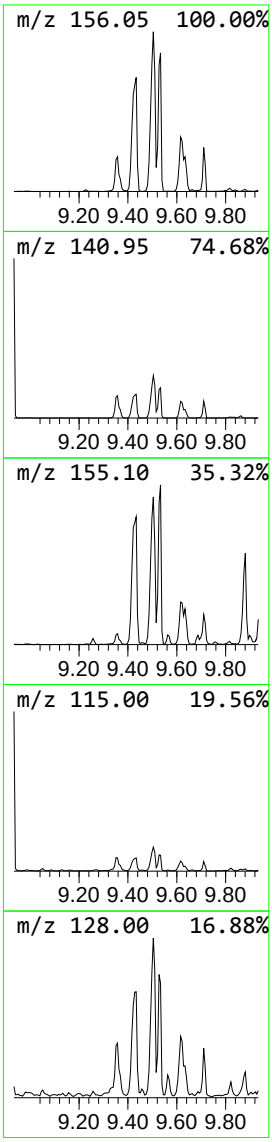
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	17.31 ng	2878870	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

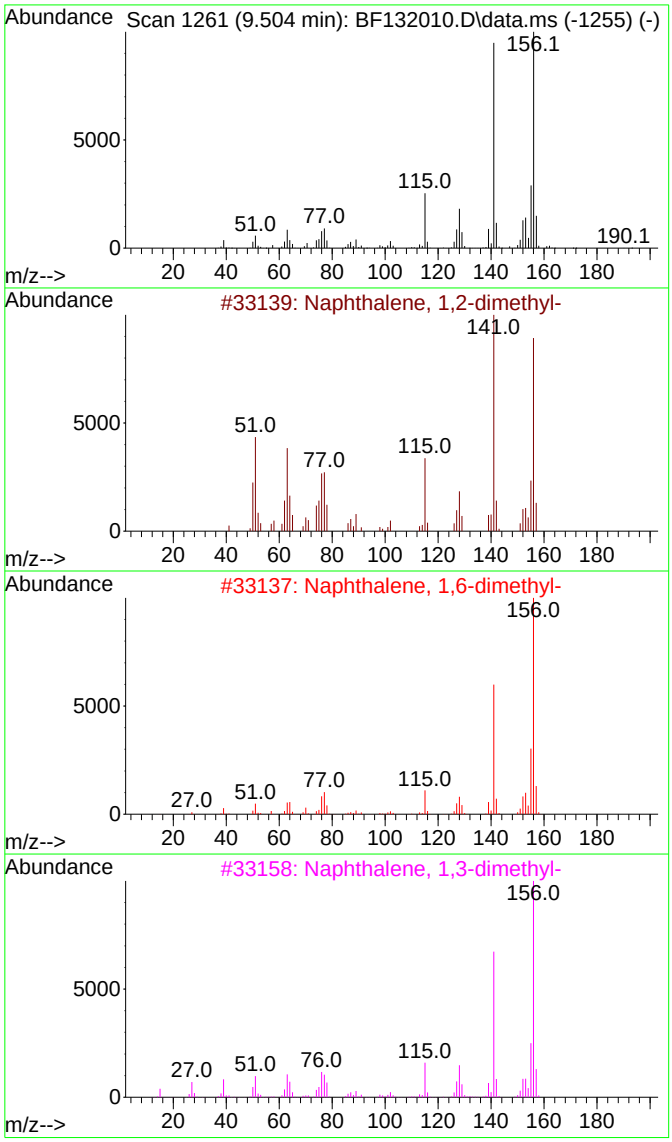
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

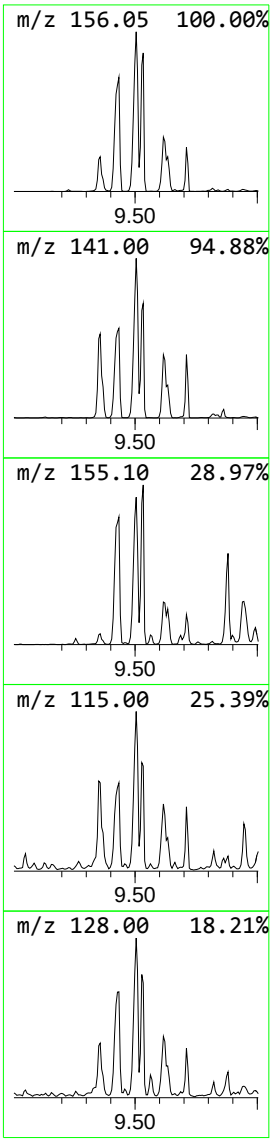
****

Peak Number 4 Naphthalene, 1,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	21.76 ng	3620370	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

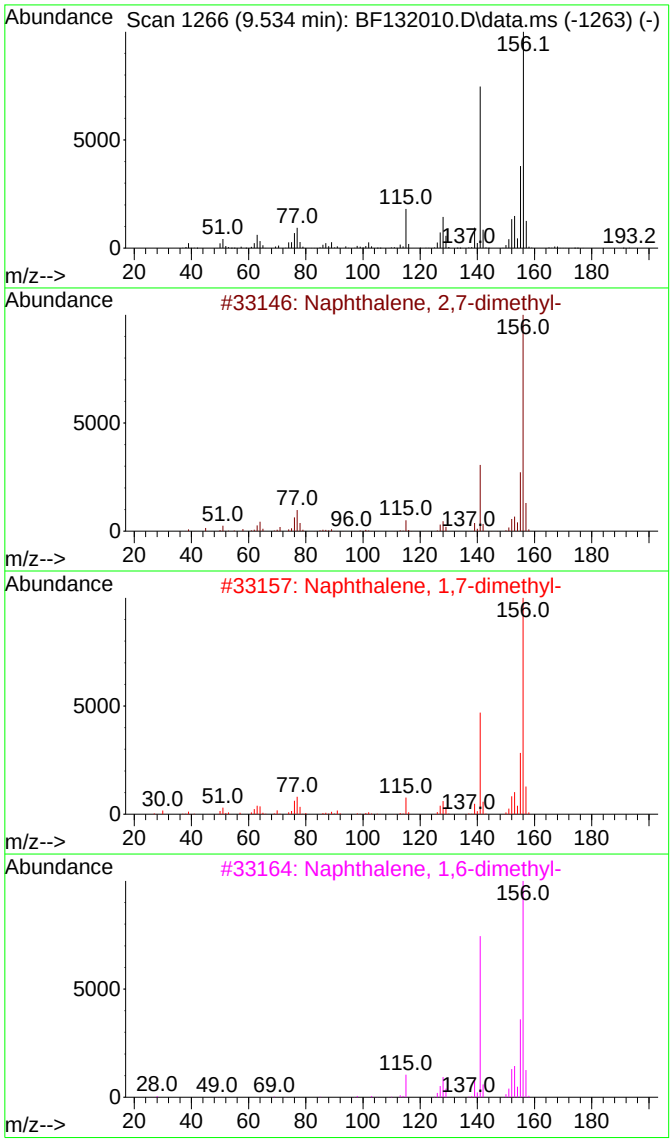
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

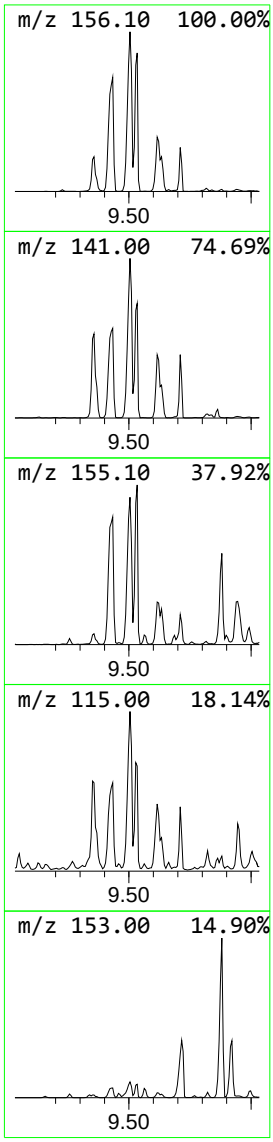
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.534	12.19 ng	2028100	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

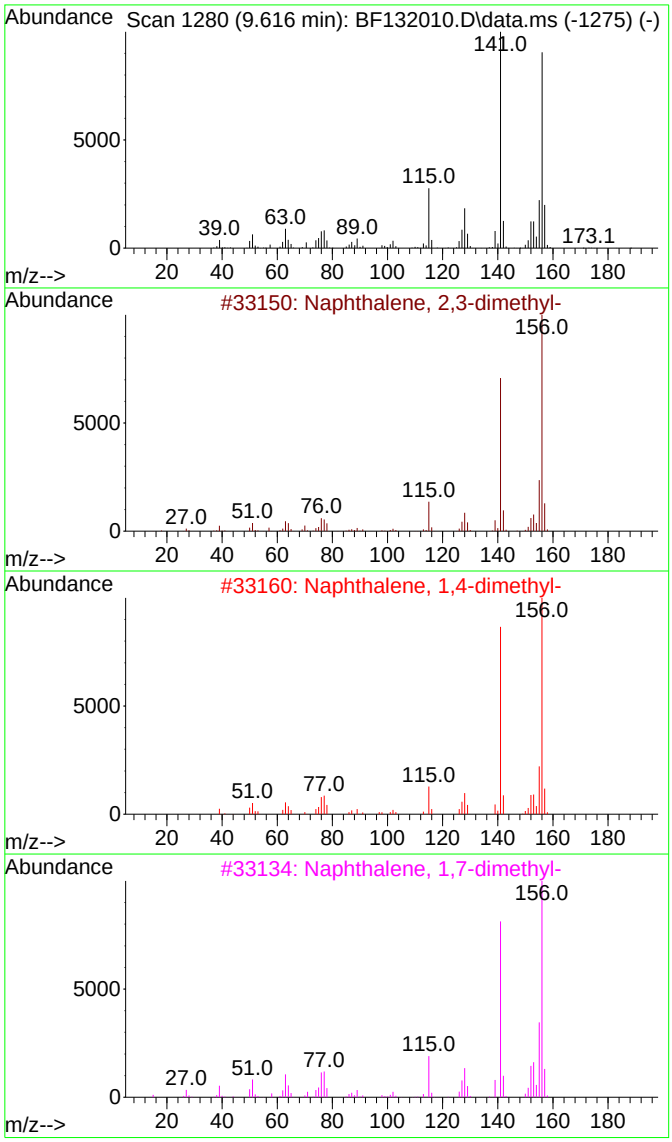
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

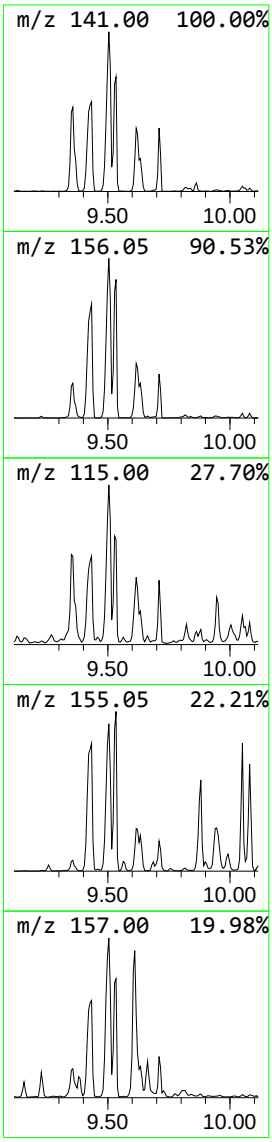
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	10.11 ng	1681850	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

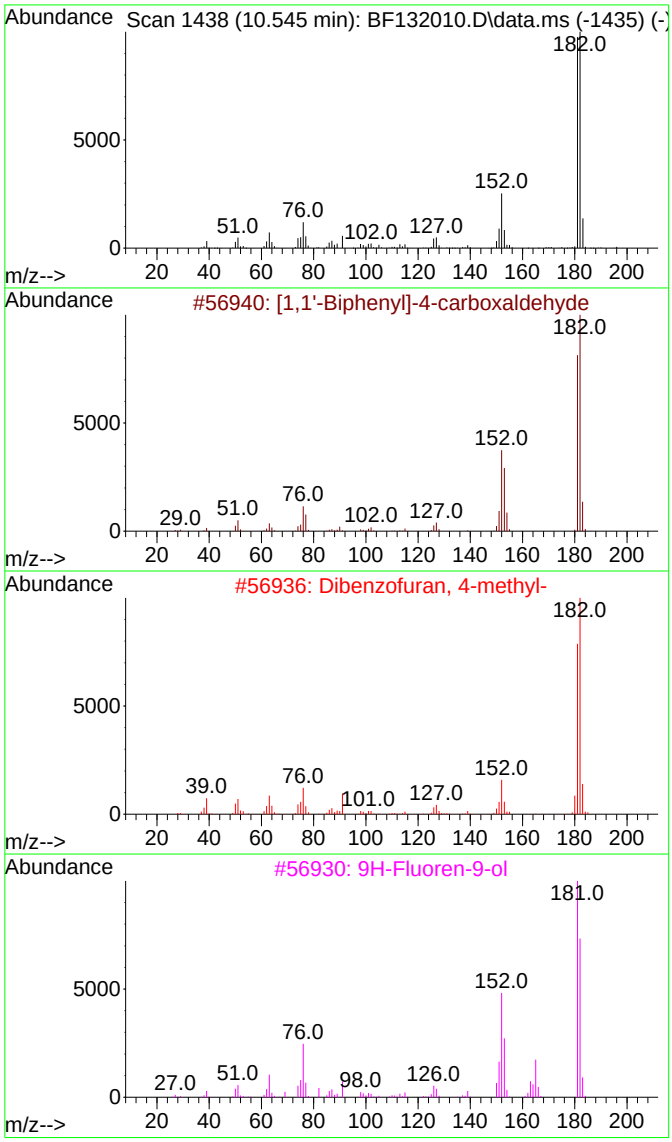
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

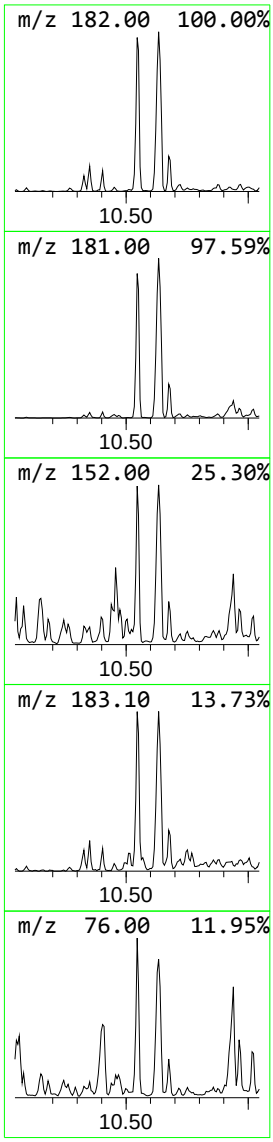
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	8.25 ng	1373200	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	81
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-3-(15-17)

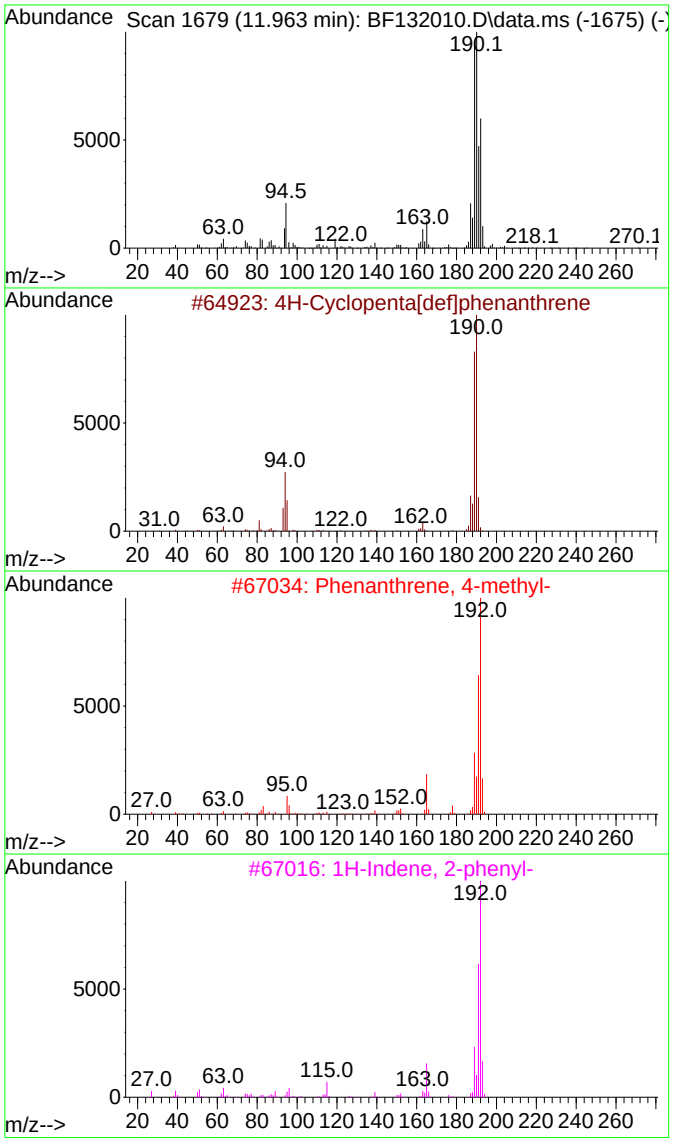
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

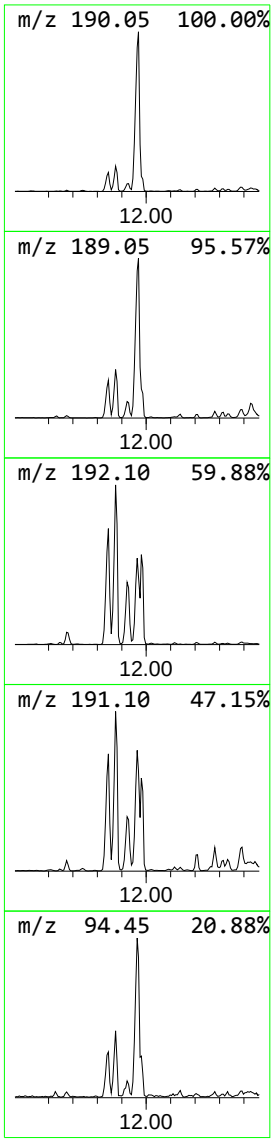
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	3.12 ng	4907110	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25





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Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

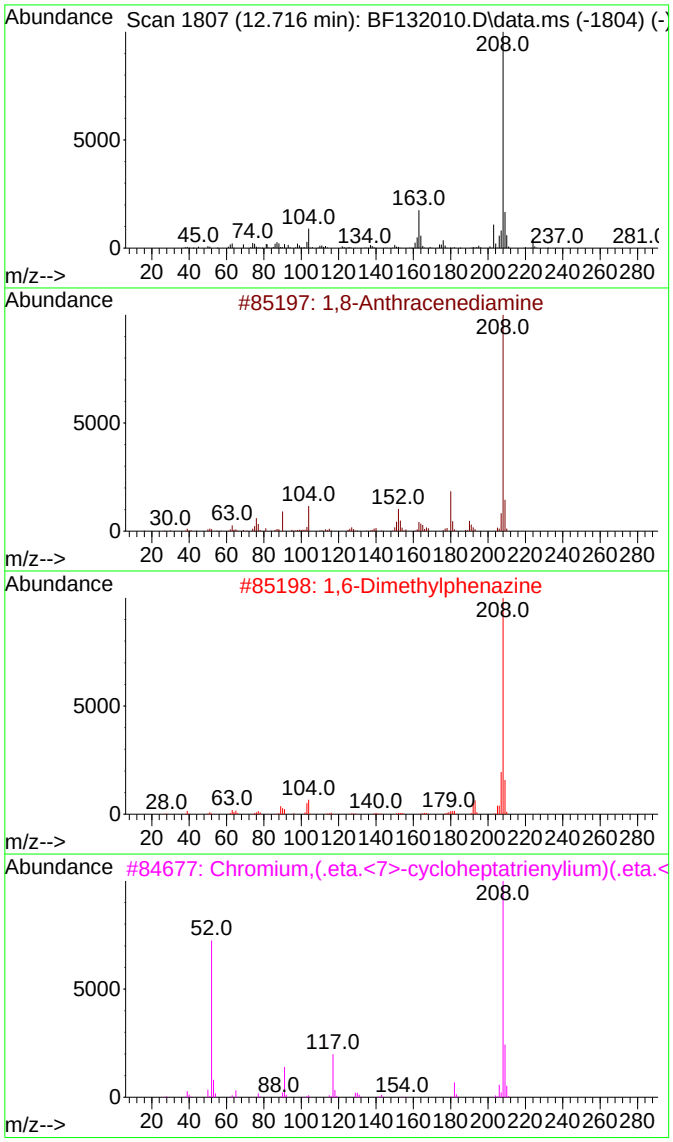
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

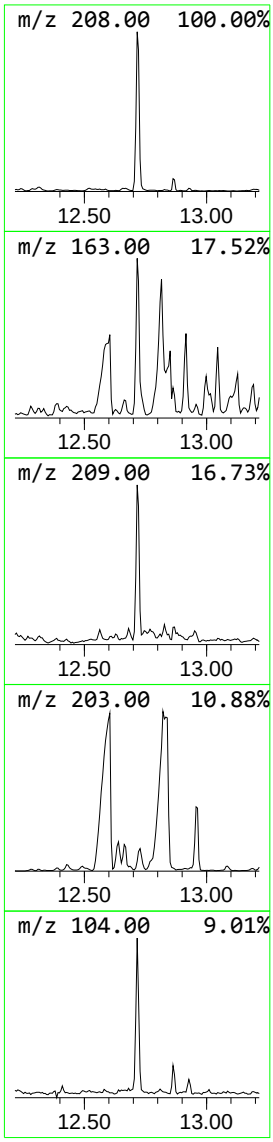
****

Peak Number 9 1,8-Anthracenediamine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.716	2.78 ng	1350020	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
2	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	58
3	Chromium,(.eta.<7>-cycloheptatri...	208	C12H12Cr	012093-81-1	53
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	52
5	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	50





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ClientSampleId :
B-3-(15-17)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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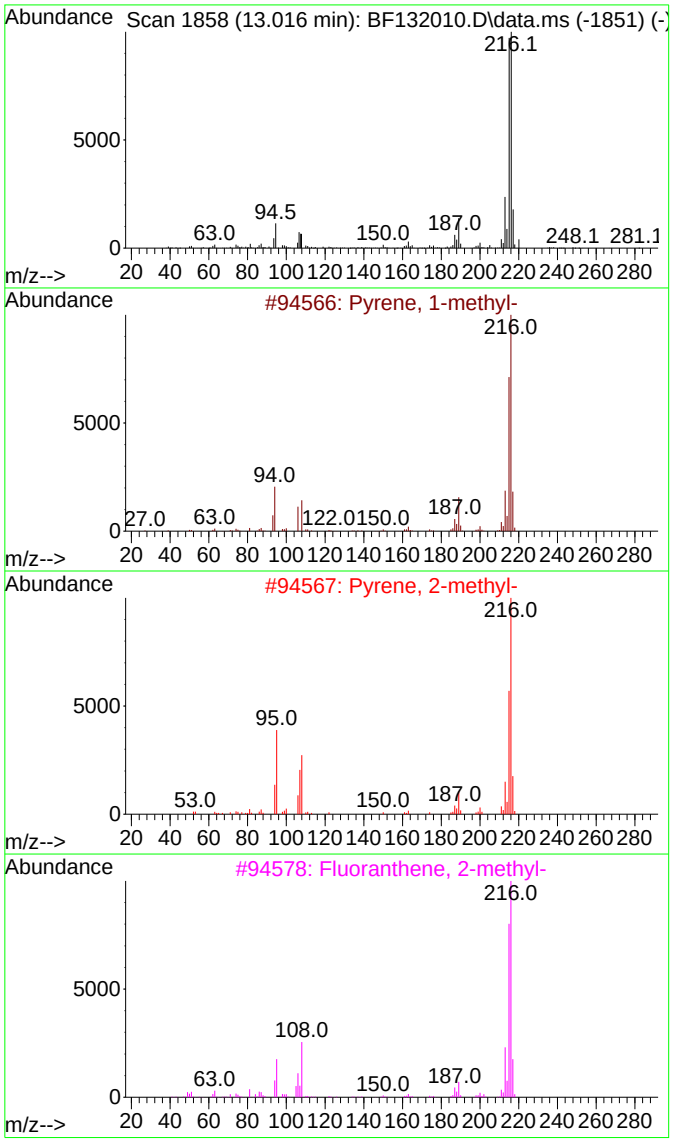
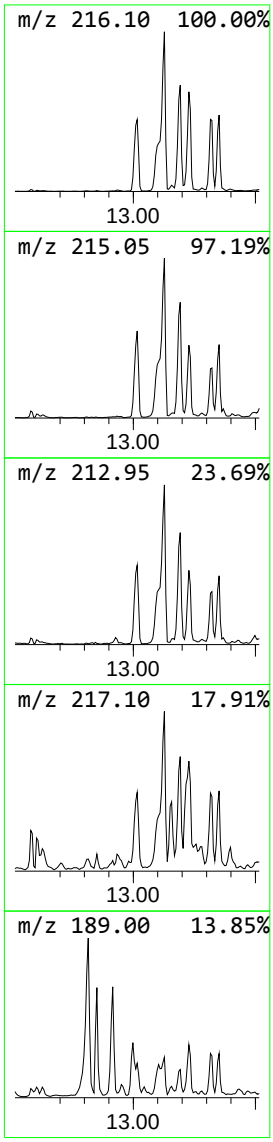
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.016	3.90 ng	1892080	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ClientSampleId :
B-3-(15-17)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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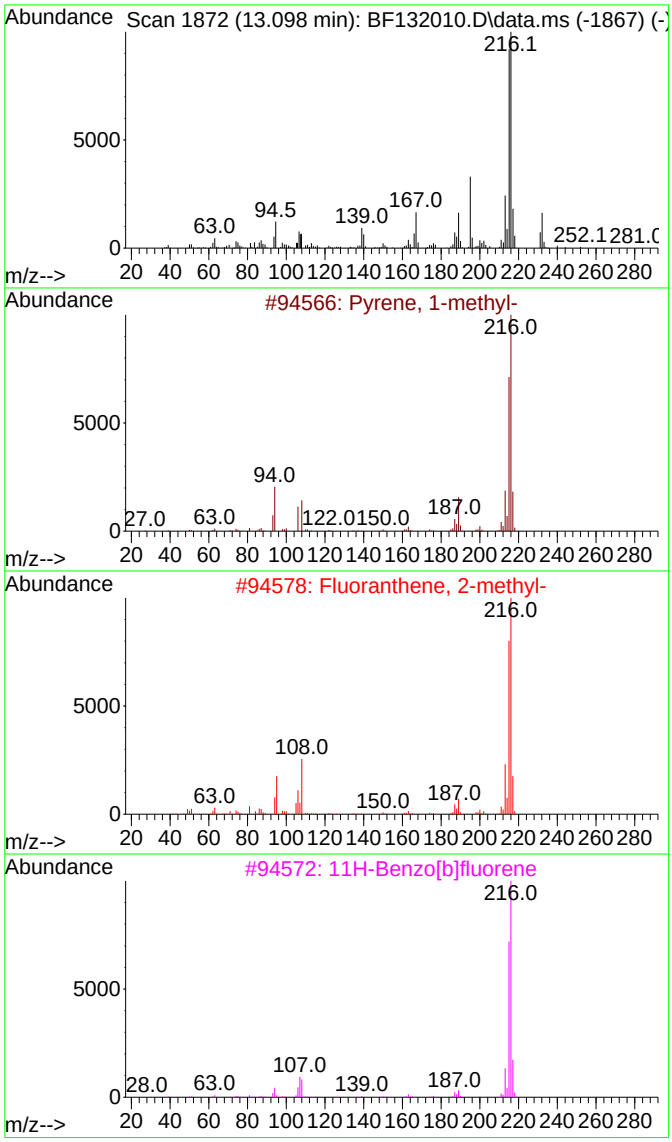
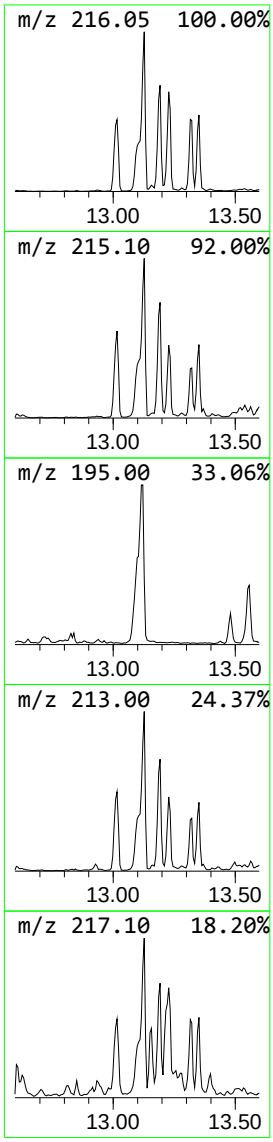
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	2.88 ng	1394150	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
B-3-(15-17)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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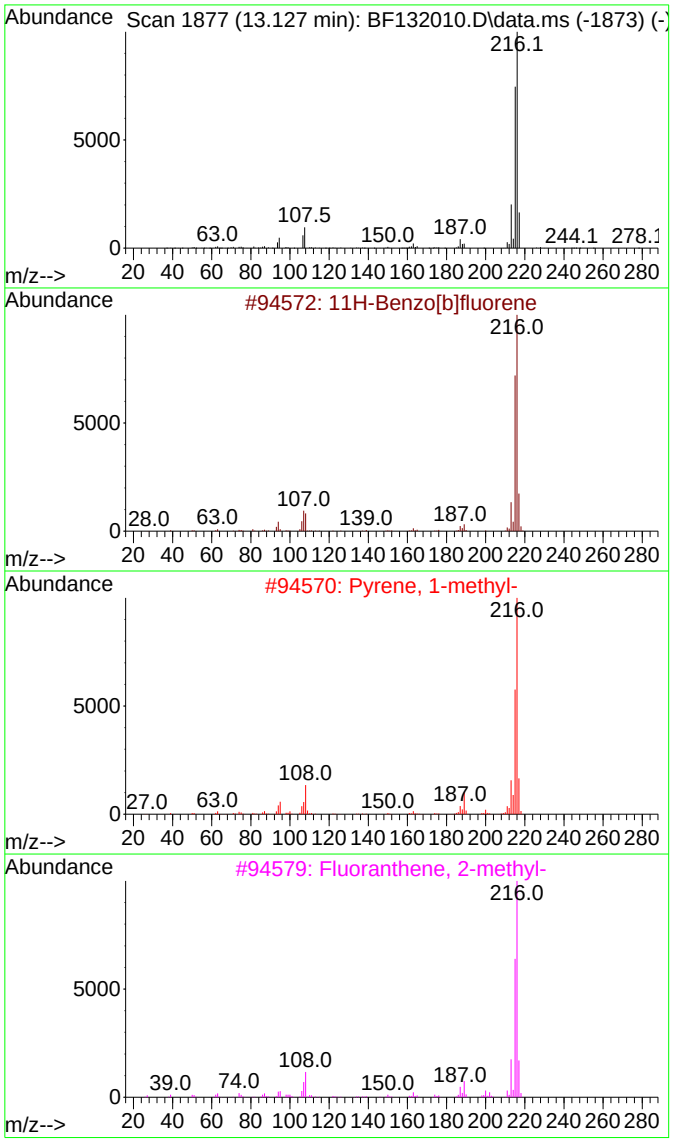
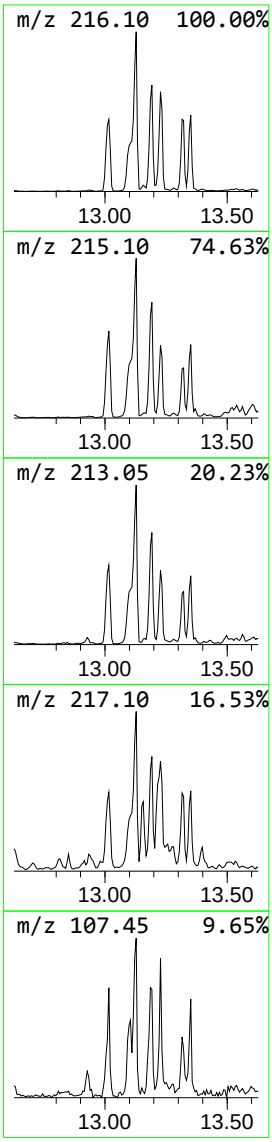
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.127	5.43 ng	2631500	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

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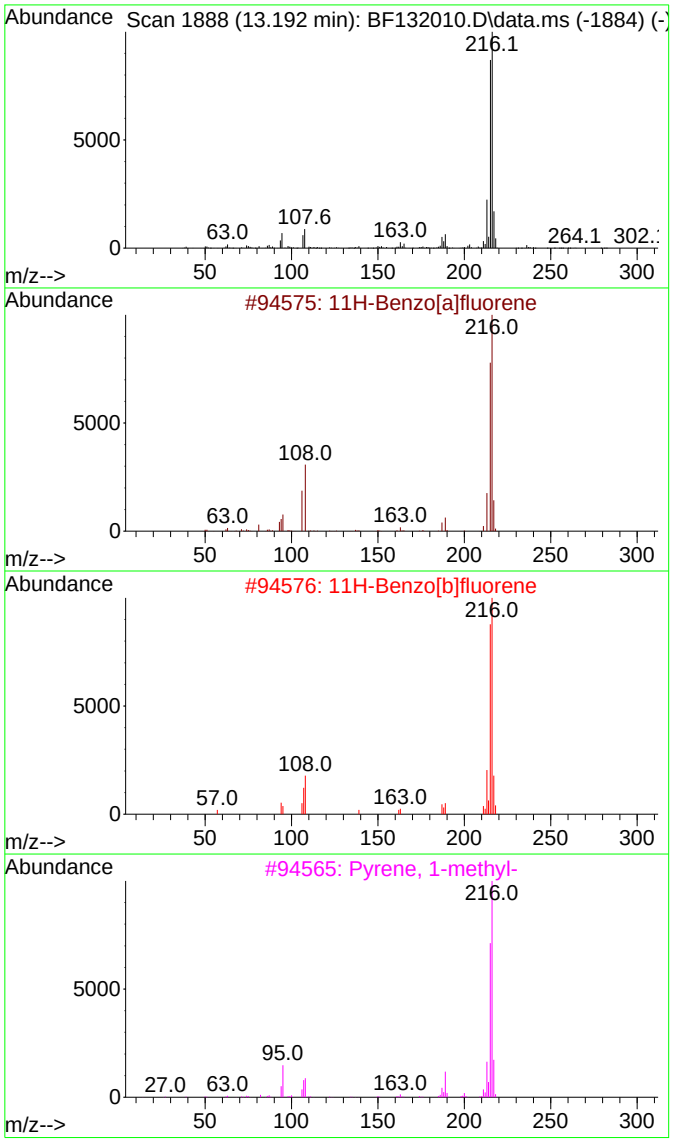
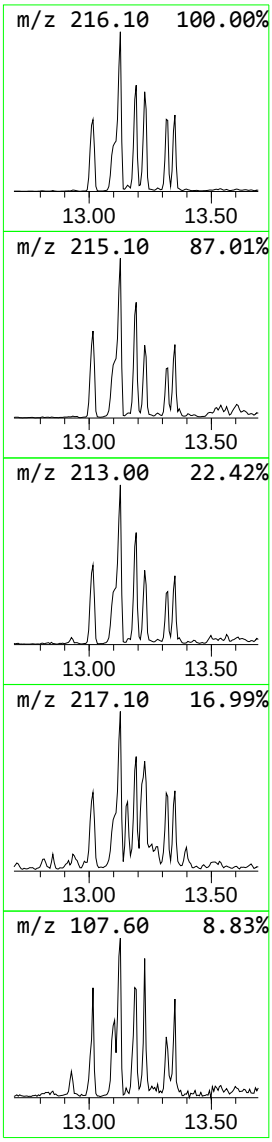
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.20 ng	1552000	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

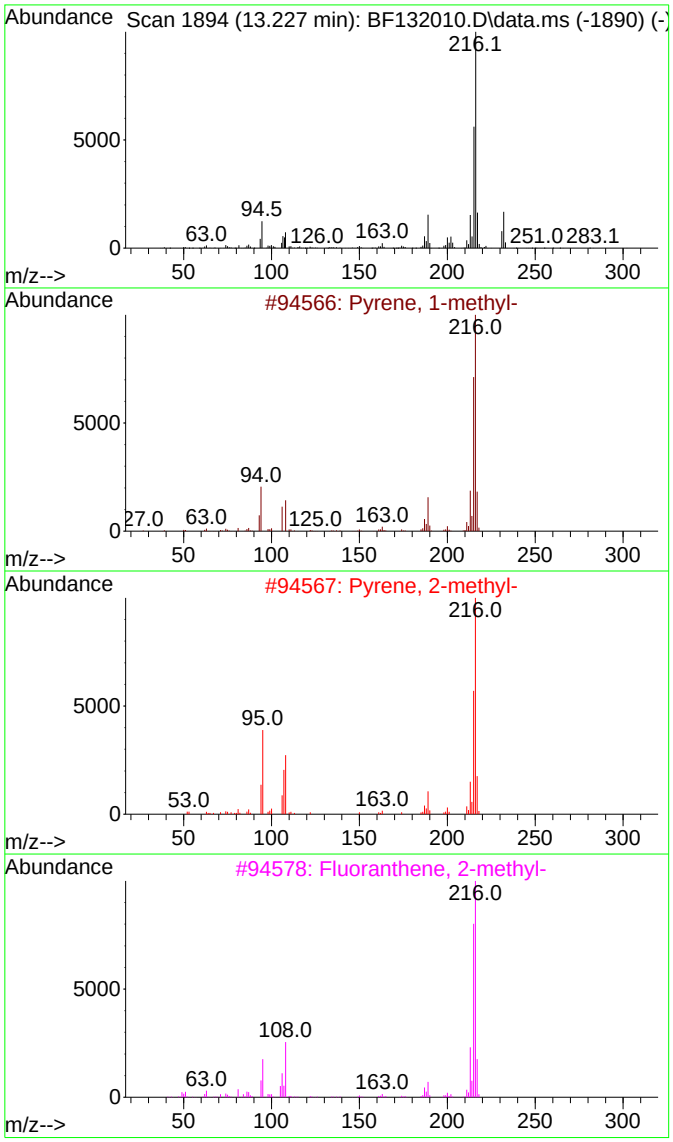
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

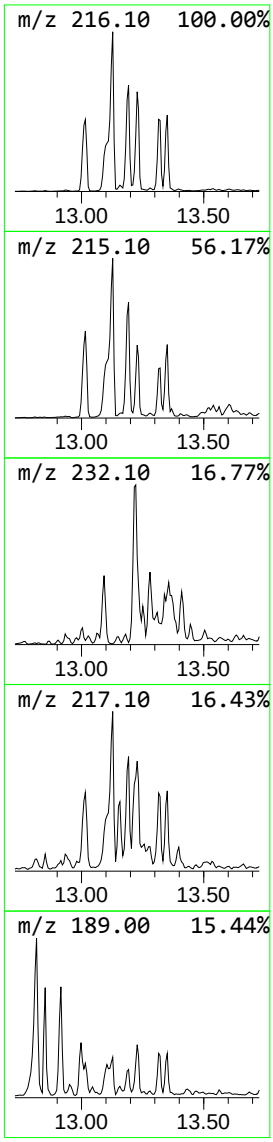
****

Peak Number 14 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	4.07 ng	1975000	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Instrument :
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ClientSampleId :
B-3-(15-17)

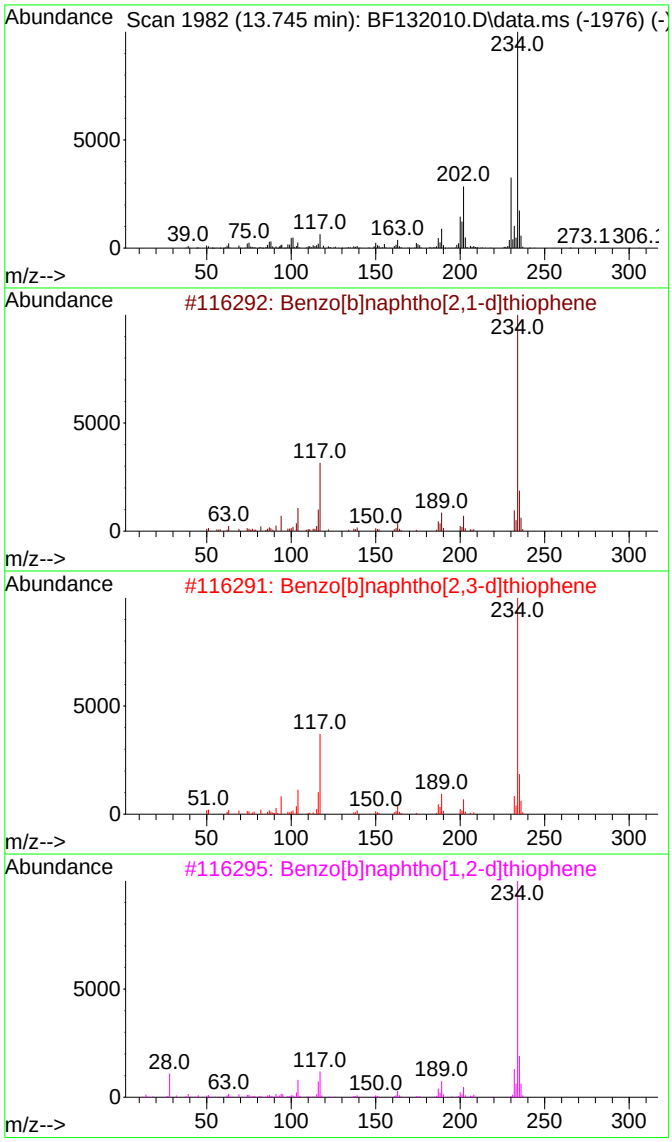
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

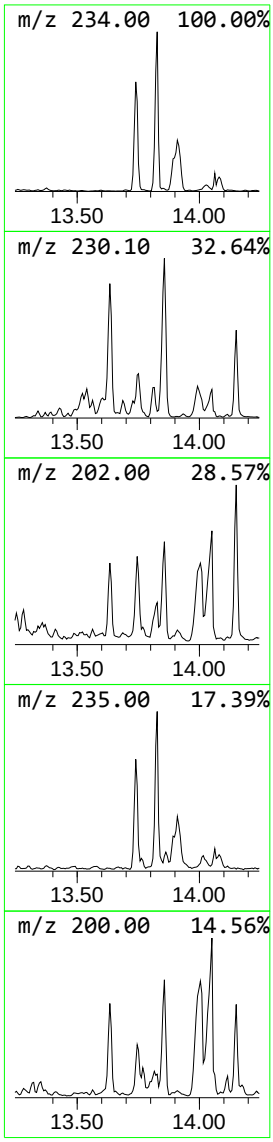
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	2.73 ng	1322460	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	53
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	49
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46





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Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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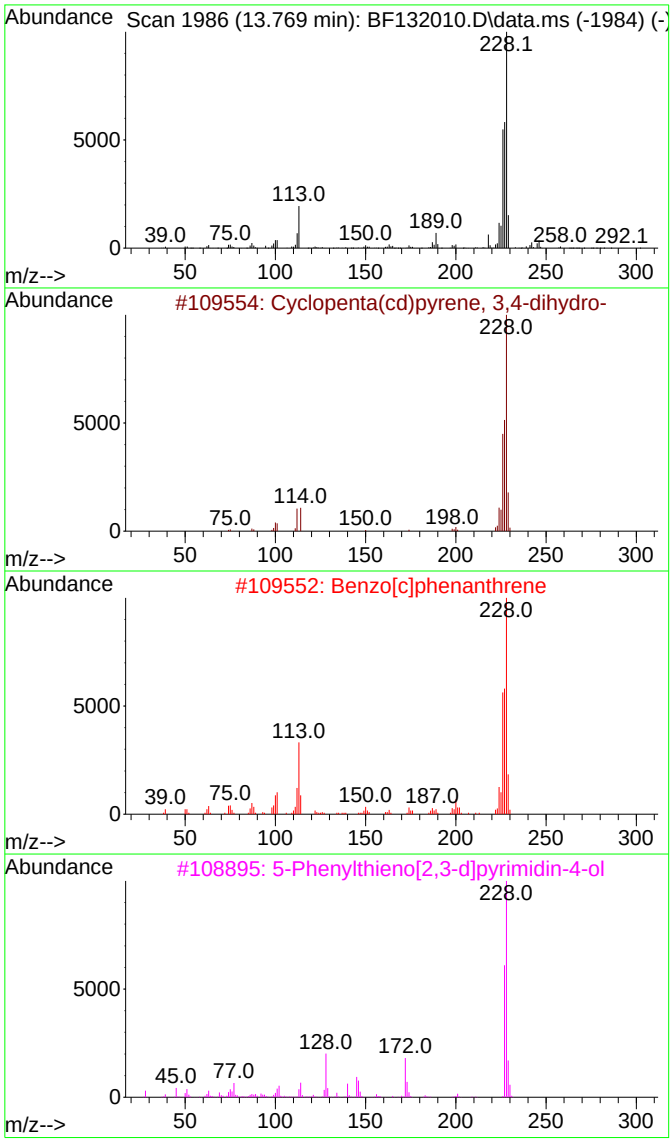
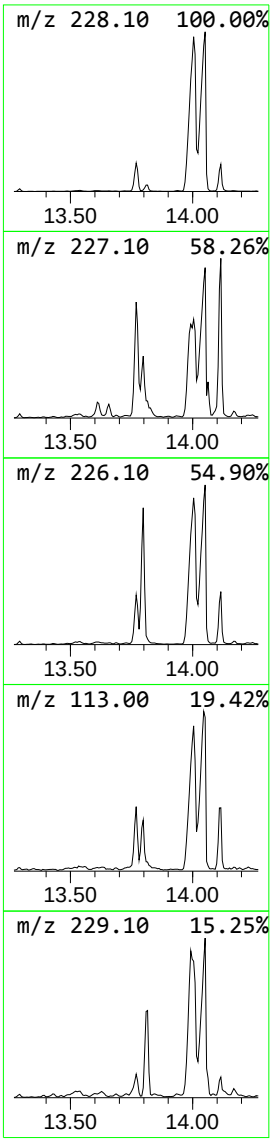
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	2.83 ng	1373450	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	47
4	Chrysene	228	C18H12	000218-01-9	46
5	Triphenylene	228	C18H12	000217-59-4	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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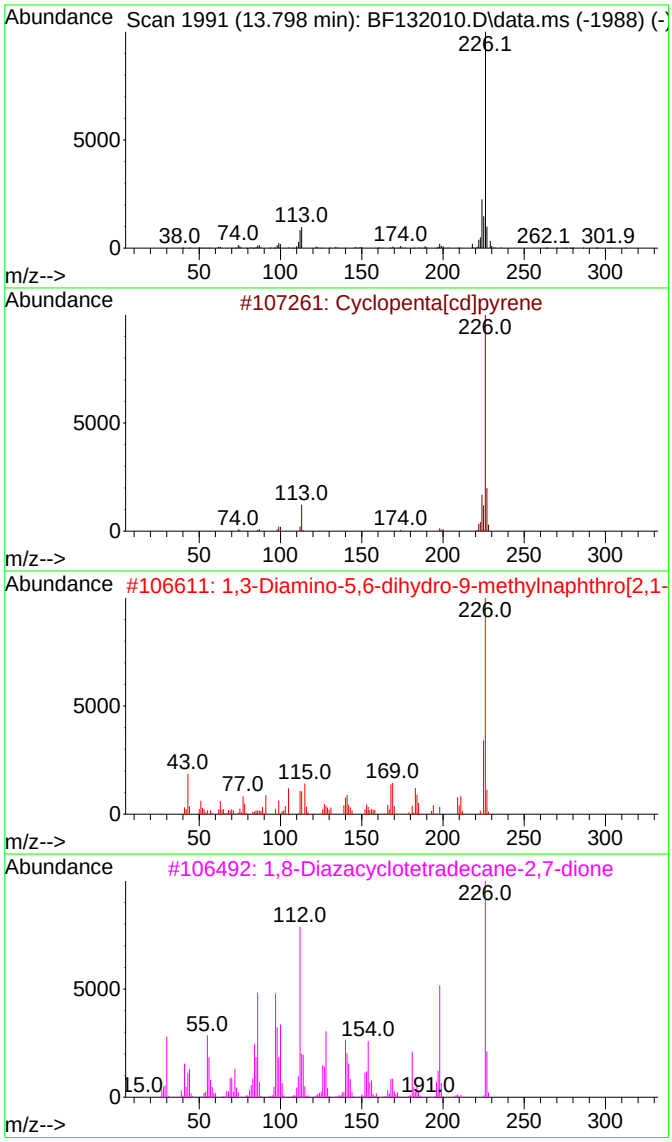
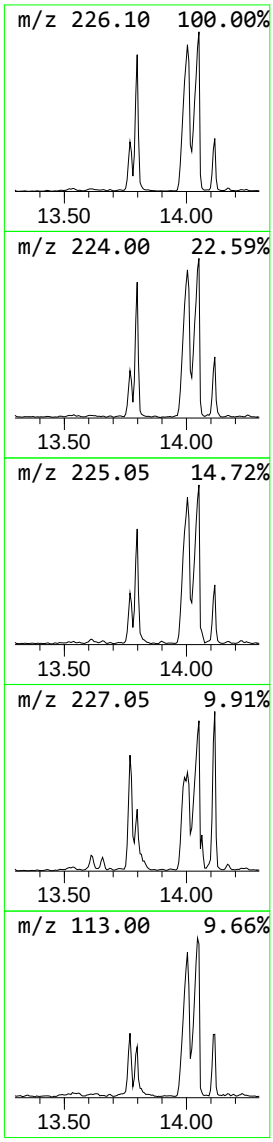
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	3.24 ng	1569900	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42
3	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33
5	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	33





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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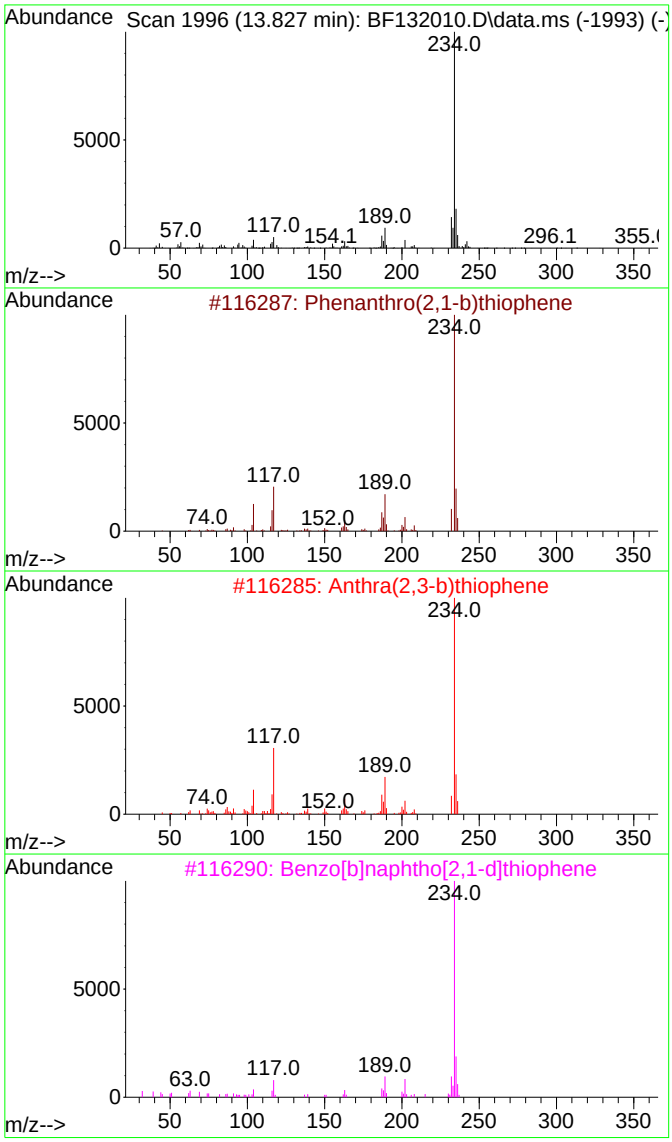
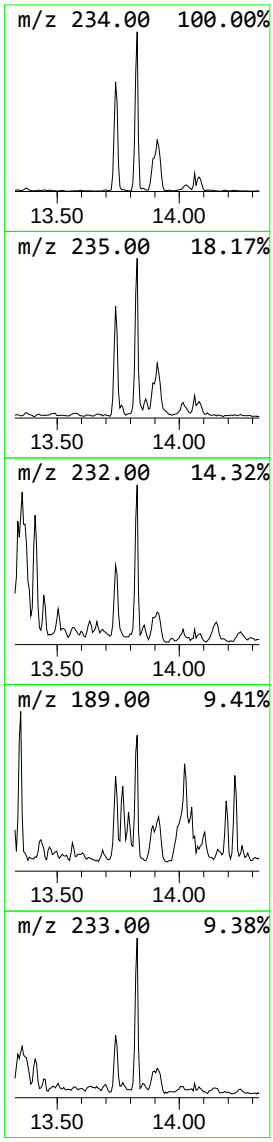
Peak Number 18 Phenanthro(2,1-b)thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.00 ng	1454320	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	94
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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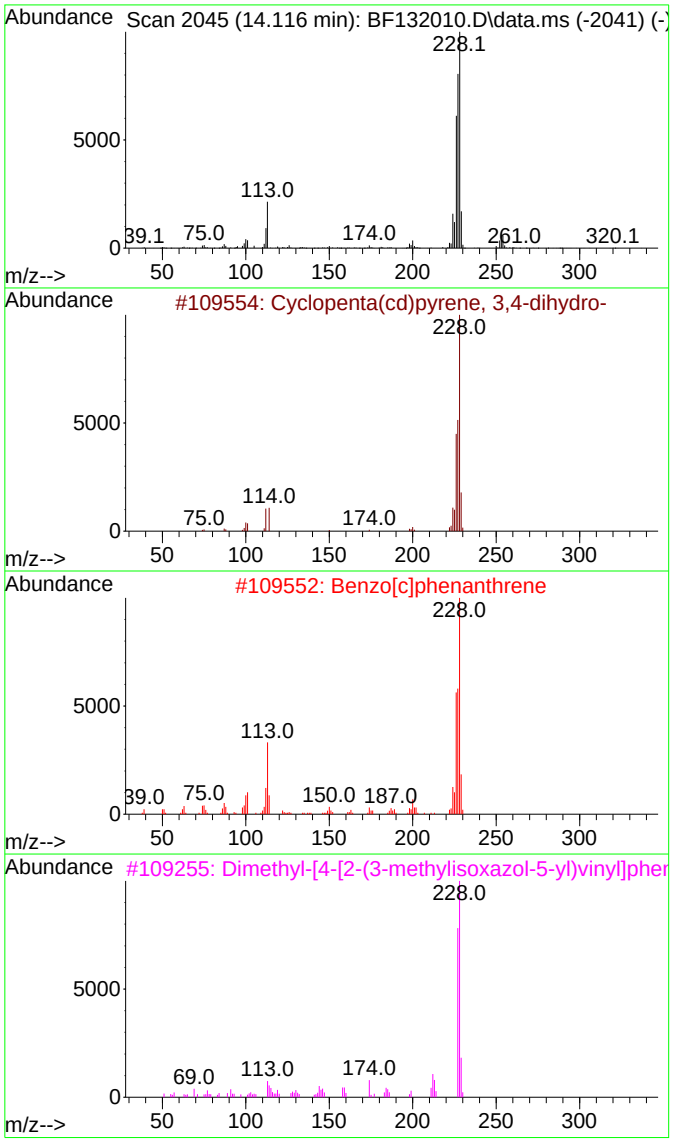
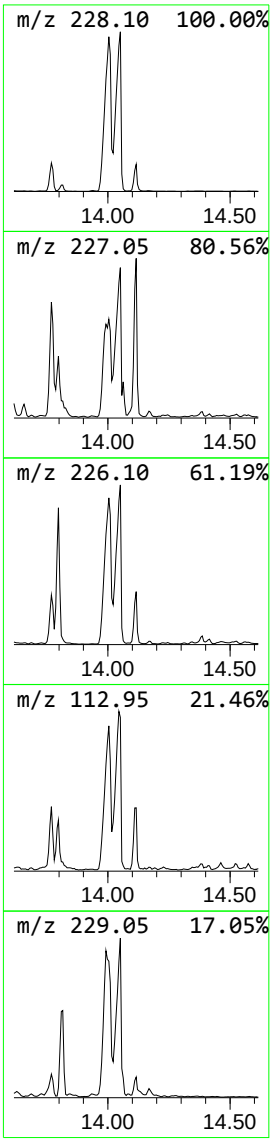
Peak Number 19 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.116	2.74 ng	1328070	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

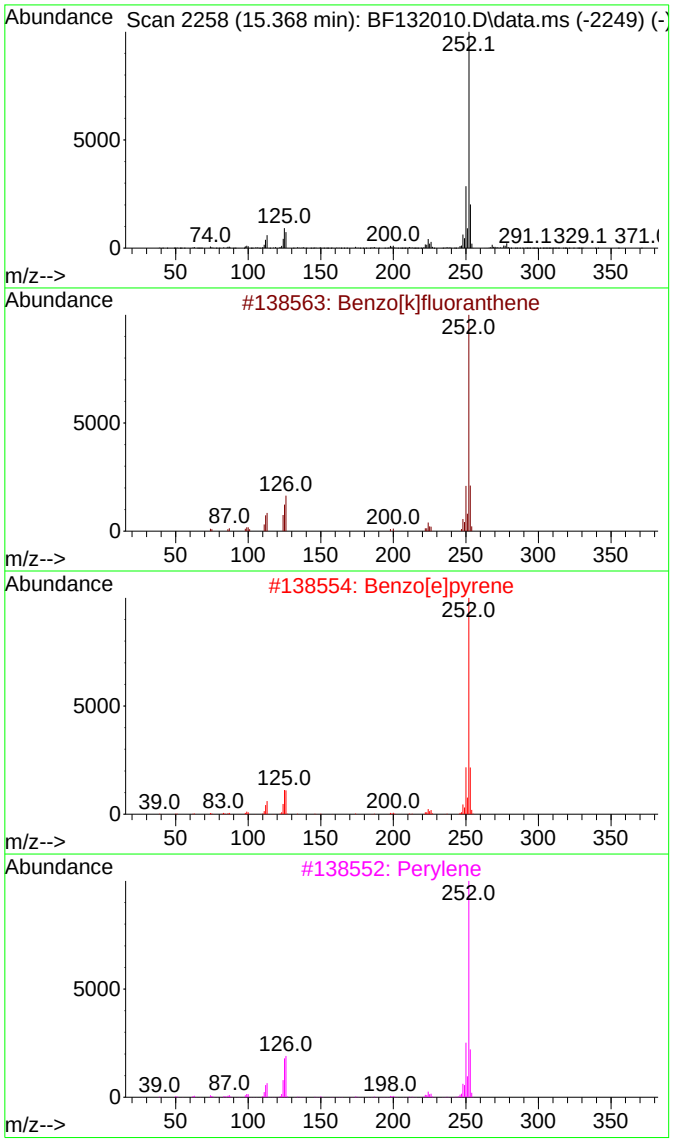
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

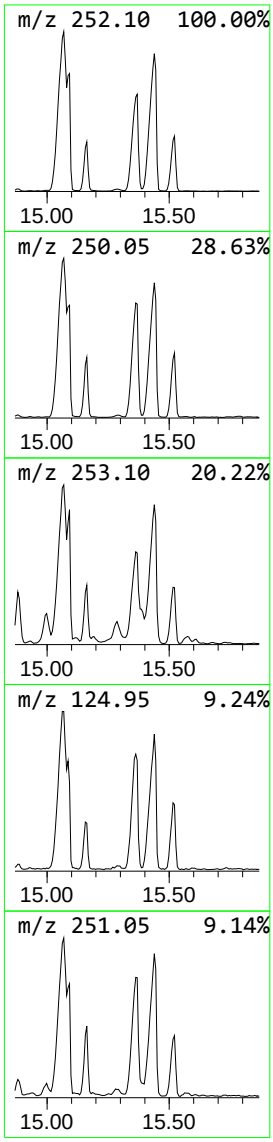
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	14.53 ng	3750210	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132010.D
Acq On : 10 Jan 2023 22:36
Operator : CG\JU
Sample : 01080-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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
1-Propyne, 3-ph...	7.051	20.0	ng	2258990	1	6.787	2258990	20.0
Naphthalene, 1-...	9.357	9.7	ng	1620140	3	9.839	3327010	20.0
Naphthalene, 1,...	9.434	17.3	ng	2878870	3	9.839	3327010	20.0
Naphthalene, 1,...	9.504	21.8	ng	3620370	3	9.839	3327010	20.0
Naphthalene, 2,...	9.534	12.2	ng	2028100	3	9.839	3327010	20.0
Naphthalene, 2,...	9.616	10.1	ng	1681850	3	9.839	3327010	20.0
[1,1'-Biphenyl]...	10.545	8.3	ng	1373200	3	9.839	3327010	20.0
4H-Cyclopenta[d...	11.963	3.1	ng	4907110	4	11.351	31416800	20.0
1,8-Anthracened...	12.716	2.8	ng	1350020	5	14.016	9696930	20.0
Pyrene, 1-methyl-	13.016	3.9	ng	1892080	5	14.016	9696930	20.0
Fluoranthene, 2...	13.098	2.9	ng	1394150	5	14.016	9696930	20.0
11H-Benzo[b]flu...	13.127	5.4	ng	2631500	5	14.016	9696930	20.0
11H-Benzo[a]flu...	13.192	3.2	ng	1552000	5	14.016	9696930	20.0
Pyrene, 2-methyl-	13.227	4.1	ng	1975000	5	14.016	9696930	20.0
Benzo[b]naphtho...	13.745	2.7	ng	1322460	5	14.016	9696930	20.0
Cyclopenta(cd)p...	13.769	2.8	ng	1373450	5	14.016	9696930	20.0
Cyclopenta[cd]p...	13.798	3.2	ng	1569900	5	14.016	9696930	20.0
Phenanthro(2,1-...	13.827	3.0	ng	1454320	5	14.016	9696930	20.0
Benzo[c]phenant...	14.116	2.7	ng	1328070	5	14.016	9696930	20.0
Benzo[e]pyrene	15.368	14.5	ng	3750210	6	15.480	5162430	20.0