LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03-4.0-6.0

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-BF021623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132466.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.266	408	413	426	rVB	2121070	3140771	29.50%	2.054%
2	5.654	473	479	482	rBV	5613717	5973240	56.10%	3.906%
3	6.648	641	648	651	rBV	4824347	6091422	57.21%	3.984%
4	7.019	708	711	715	rBV	1792524	1457709	13.69%	0.953%
5	7.590	802	808	811	rBV	4061057	4063817	38.17%	2.658%
6	8.307	926	930	932	rBV	2311841	1977073	18.57%	1.293%
7	8.331	932	934	937	rVB	1491610	1130171	10.62%	0.739%
8	9.019	1048	1051	1055	rVB	1089078	880212	8.27%	0.576%
9	9.119	1064	1068	1072	rBV	1084747	886230	8.32%	0.580%
10	9.384	1109	1113	1117	rVB	6702467	6472021	60.79%	4.233%
11	9.484	1127	1130	1134	rBV	366782	306708	2.88%	0.201%
12	9.642	1152	1157	1162	rBV2	382266	544356	5.11%	0.356%
13	9.725	1167	1171	1173	rBV	772395	754212	7.08%	0.493%
14	9.748	1173	1175	1178	rVB	487855	364864	3.43%	0.239%
15	9.842	1187	1191	1193	rBV2	402338	384660	3.61%	0.252%
16	9.925	1202	1205	1209	rVB	359350	331201	3.11%	0.217%
17	10.042	1223	1225	1227	rBV	245224	212225	1.99%	0.139%
18	10.072	1227	1230	1232	rVV	2349000	1940453	18.23%	1.269%
19	10.101	1232	1235	1238	rVB	1958908	1482344	13.92%	0.969%
20	10.272	1260	1264	1268	rVV	1636952	1533452	14.40%	1.003%
21	10.383	1279	1283	1286	rBV3	253840	272057	2.56%	0.178%
22	10.472	1294	1298	1304	rVB3	199858	370690	3.48%	0.242%
23	10.619	1319	1323	1328	rVV	2155923	1884217	17.70%	1.232%
24	10.683	1332	1334	1336	rVV	233878	216693	2.04%	0.142%
25	10.707	1336	1338	1340	rVV	275774	220082	2.07%	0.144%
26	10.778	1344	1350	1354	rVV3	738451	952202	8.94%	0.623%
27	10.866	1355	1365	1368	rVV	4278651	4463224	41.92%	2.919%
28	11.166	1410	1416	1419	rBV3	431165	639480	6.01%	0.418%
29	11.295	1433	1438	1440	rBV3	301005	346623	3.26%	0.227%
30	11.319	1440	1442	1447	rVV2	314326	349331	3.28%	0.228%
31	11.366	1447	1450	1454	rVV	944511	823333	7.73%	0.538%
32	11.407	1454	1457	1461	rVV2	336174	396503	3.72%	0.259%
33	11.460	1463	1466	1471	rVB	1147237	1000141	9.39%	0.654%
34	11.566	1480	1484	1486	rBV	1616922	1872665	17.59%	1.225%
35	11.601	1486	1490	1493	rVV	8826437	10646573	100.00%	6.963%
36	11.648	1493	1498	1500	rVV	3965154	3532597	33.18%	2.310%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

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-BF021623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.672	1500	1502	1508	rVB	320530	346443	3.25%	0.227%
38	11.795	1517	1523	1528	rBV2	1661307	1751593	16.45%	1.145%
39	11.860	1532	1534	1537	rVV2	339056	283169	2.66%	0.185%
40	11.895	1537	1540	1544	rVV3	281529	298685	2.81%	0.195%
41	12.072	1563	1570	1572	rBV2	1419503	1804801	16.95%	1.180%
42	12.095	1572	1574	1579	rVV	1782437	1730428	16.25%	1.132%
43	12.142	1579	1582	1585	rVV	762160	671689	6.31%	0.439%
44	12.183	1585	1589	1591	rVV2	1912731	2071896	19.46%	1.355%
45	12.207	1591	1593	1596	rVB	777839	637307	5.99%	0.417%
46	12.248	1596	1600	1602	rBV2	225952	223944	2.10%	0.146%
47	12.366	1617	1620	1622	rVV	1056443	924305	8.68%	0.604%
48	12.389	1622	1624	1628	rVV	678657	549728	5.16%	0.360%
49	12.513	1640	1645	1648	rVV	288444	291921	2.74%	0.191%
50	12.619	1657	1663	1667	rBV2	560614	845720	7.94%	0.553%
51	12.660	1668	1670	1672	rVV2	333122	353158	3.32%	0.231%
52	12.713	1675	1679	1683	rVB	518651	599892	5.63%	0.392%
53	12.801	1688	1694	1696	rBV	7952210	9596350	90.14%	6.276%
54	12.848	1700	1702	1706	rBV2	269616	254985	2.39%	0.167%
55	12.942	1715	1718	1721	rVB	436732	369312	3.47%	0.242%
56	13.030	1725	1733	1736	rBV2	7117258	9647950	90.62%	6.309%
57	13.066	1736	1739	1743	rVB2	525386	537739	5.05%	0.352%
58	13.160	1743	1755	1757	rBV2	5154563	5885509	55.28%	3.849%
59	13.242	1763	1769	1771	rBV2	553721	981779	9.22%	0.642%
60	13.272	1771	1774	1776	rVV	260984	228792	2.15%	0.150%
61	13.319	1779	1782	1784	rVV3	444130	584078	5.49%	0.382%
62	13.348	1784	1787	1789	rVB	1055082	972933	9.14%	0.636%
63	13.413	1795	1798	1800	rVV	617978	502493	4.72%	0.329%
64	13.448	1800	1804	1807	rVV2	752995	891059	8.37%	0.583%
65	13.542	1817	1820	1823	rBV	345390	327272	3.07%	0.214%
66	13.577	1823	1826	1829	rBV2	394476	382660	3.59%	0.250%
67	13.719	1847	1850	1853	rBV3	172056	243104	2.28%	0.159%
68	13.854	1870	1873	1878	rVB	753620	735107	6.90%	0.481%
69	13.971	1888	1893	1895	rBV2	710228	908298	8.53%	0.594%
70	14.001	1895	1898	1900	rVV	670082	606878	5.70%	0.397%
71	14.024	1900	1902	1906	rVV2	613907	783701	7.36%	0.513%
72	14.066	1906	1909	1917	rVB	872737	912937	8.57%	0.597%
73	14.142	1919	1922	1926	rVB	172269	223908	2.10%	0.146%
74	14.218	1926	1935	1939	rBV3	4339002	6717653	63.10%	4.393%
75	14.254	1939	1941	1946	rVB	3682703	3242853	30.46%	2.121%
76	14.313	1946	1951	1953	rBV	893210	1080873	10.15%	0.707%

LSC Area Percent Report

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Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

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-BF021623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.366	1958	1960	1962	rVV	247236	267175	2.51%	0.175%
78	14.413	1966	1968	1970	rVV	356440	306831	2.88%	0.201%
79	14.454	1970	1975	1977	rVV2	454142	628197	5.90%	0.411%
80	14.613	1997	2002	2005	rBV	628119	654512	6.15%	0.428%
81	14.648	2005	2008	2010	rVB	332639	307596	2.89%	0.201%
82	14.742	2021	2024	2026	rBV	334563	312491	2.94%	0.204%
83	14.766	2026	2028	2032	rVB2	341179	305871	2.87%	0.200%
84	14.818	2032	2037	2044	rVB4	228882	380632	3.58%	0.249%
85	14.942	2054	2058	2060	rBV2	189929	274905	2.58%	0.180%
86	15.142	2087	2092	2100	rVB2	301601	585694	5.50%	0.383%
87	15.324	2117	2123	2126	rBV	2676106	4833410	45.40%	3.161%
88	15.436	2138	2142	2146	rBV	658945	718173	6.75%	0.470%
89	15.530	2154	2158	2160	rBV2	185631	271285	2.55%	0.177%
90	15.654	2174	2179	2185	rVB	1702172	2551747	23.97%	1.669%
91	15.724	2185	2191	2196	rVB	2542944	3416884	32.09%	2.235%
92	15.789	2197	2202	2205	rBV	909746	1374441	12.91%	0.899%
93	15.824	2205	2208	2214	rVB	912813	1200750	11.28%	0.785%
94	16.260	2276	2282	2295	rVB5	385197	1149115	10.79%	0.751%
95	17.401	2468	2476	2484	rVB2	1018267	2161658	20.30%	1.414%
96	17.477	2486	2489	2500	rVB2	111151	241403	2.27%	0.158%
97	17.589	2502	2508	2513	rBV	195383	393922	3.70%	0.258%
98	17.654	2514	2519	2525	rBV2	149108	335983	3.16%	0.220%
99	17.889	2551	2559	2572	rVB	749899	1734859	16.29%	1.135%
100	18.142	2596	2602	2616	rVB2	225137	587654	5.52%	0.384%

Sum of corrected areas: 152911642

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
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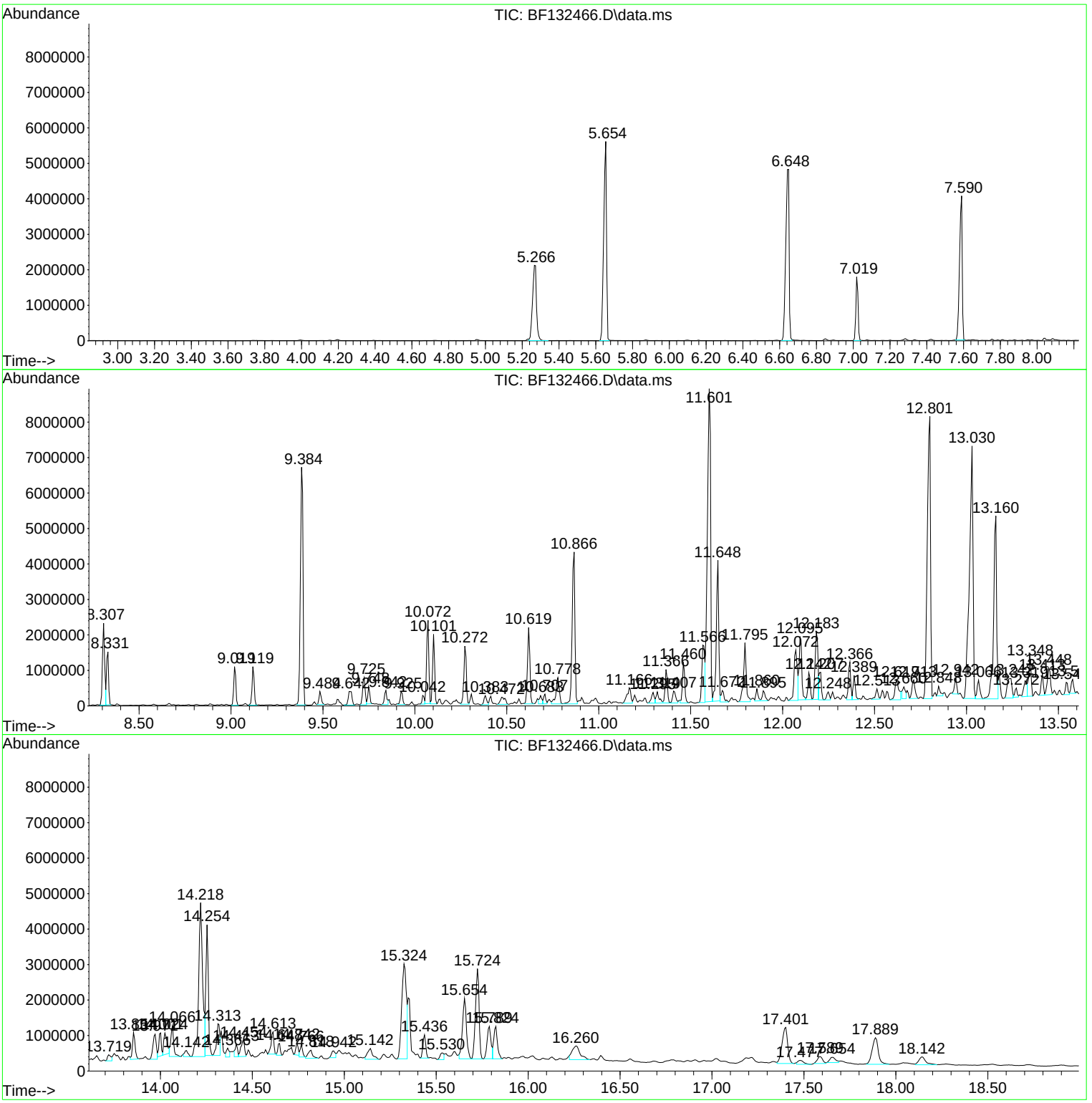
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.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\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

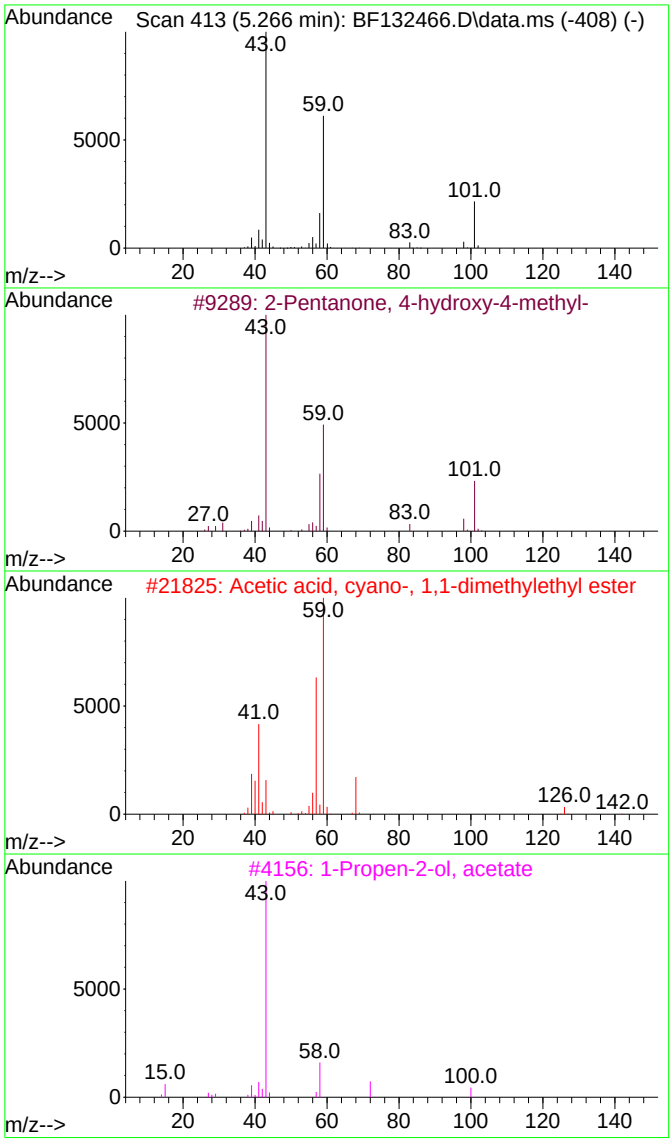
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

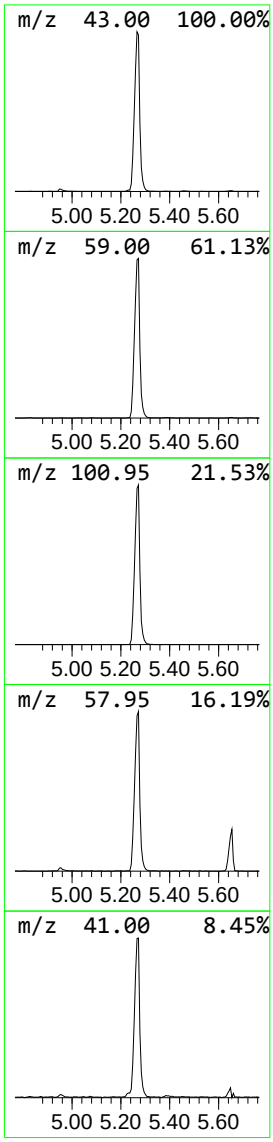
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.266	43.09 ng	3140770	1,4-Dichlorobenzene-d4	7.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

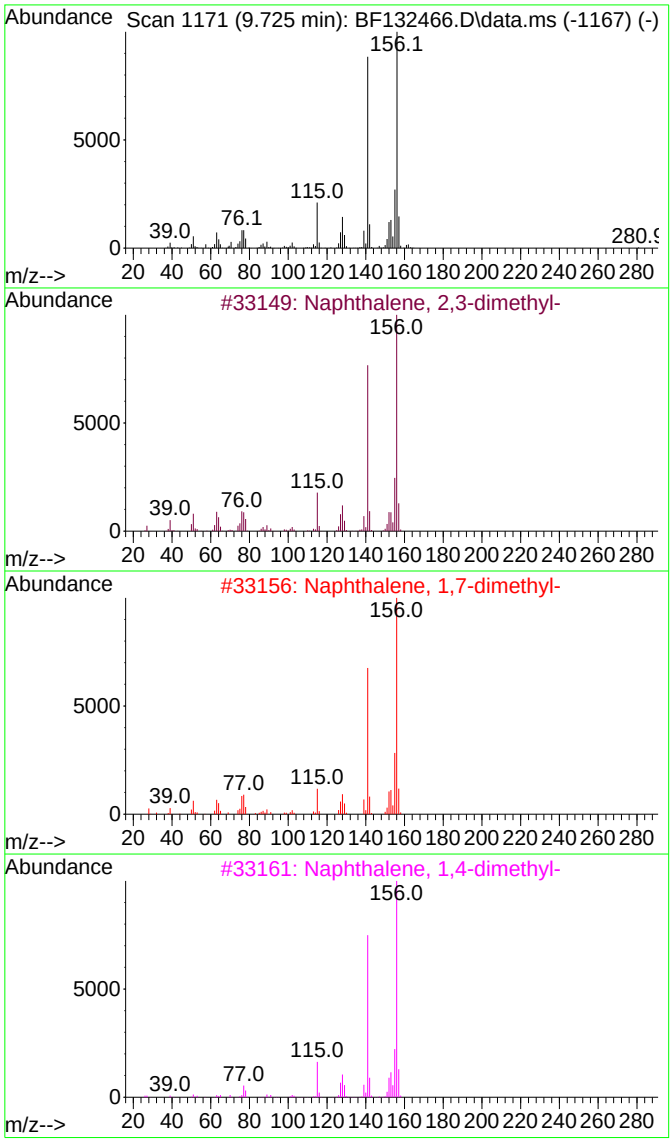
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

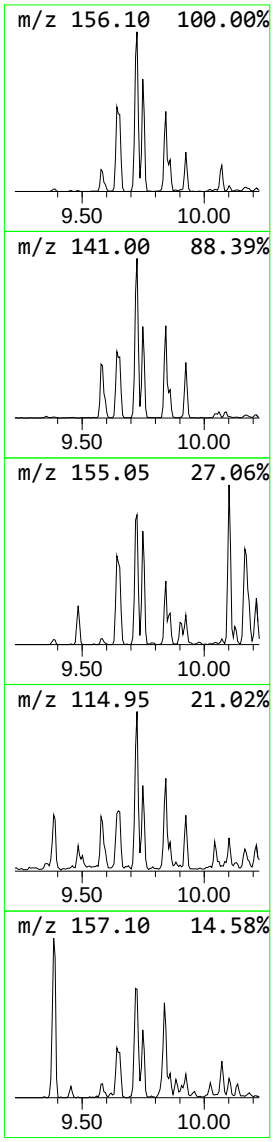
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.725	7.77 ng	754212	Acenaphthene-d10	10.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

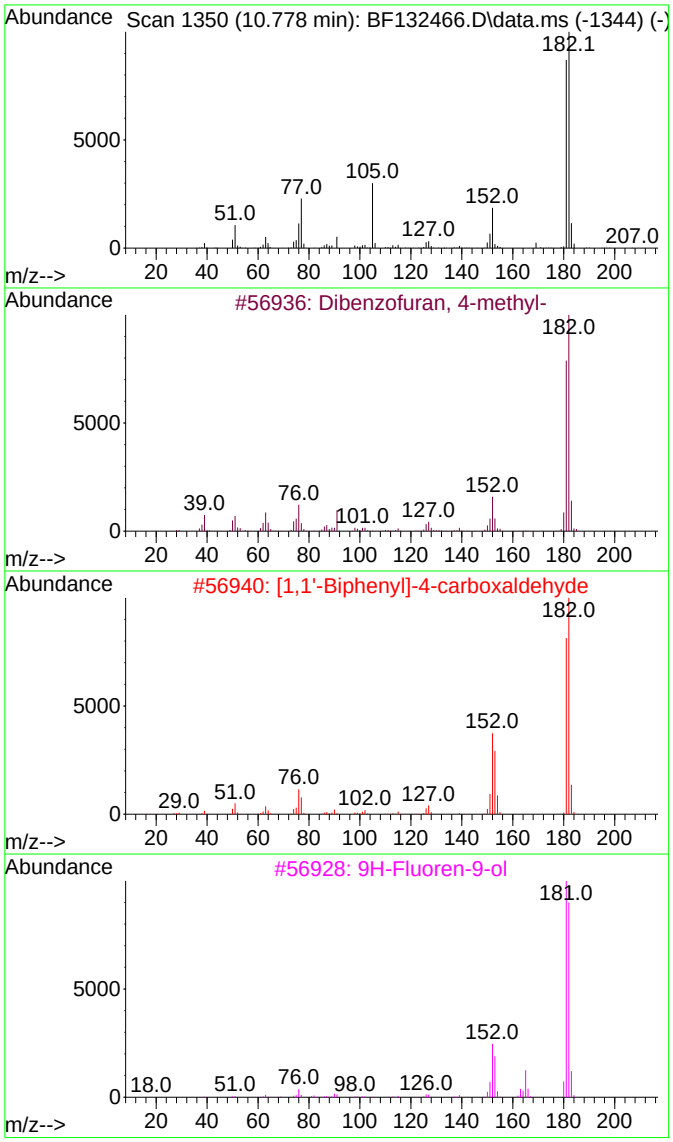
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

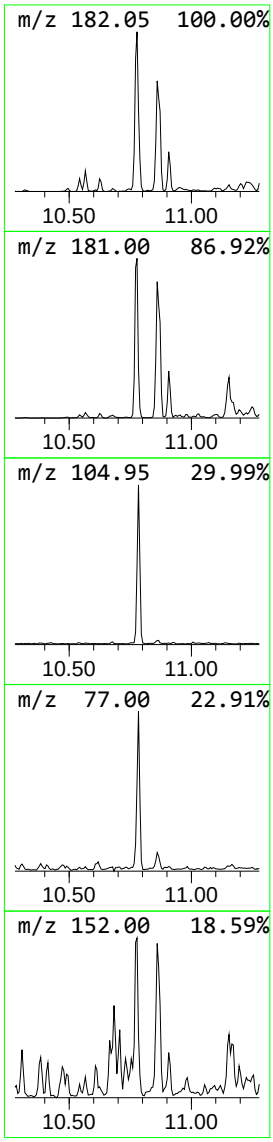
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.778	9.81 ng	952202	Acenaphthene-d10	10.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	59
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

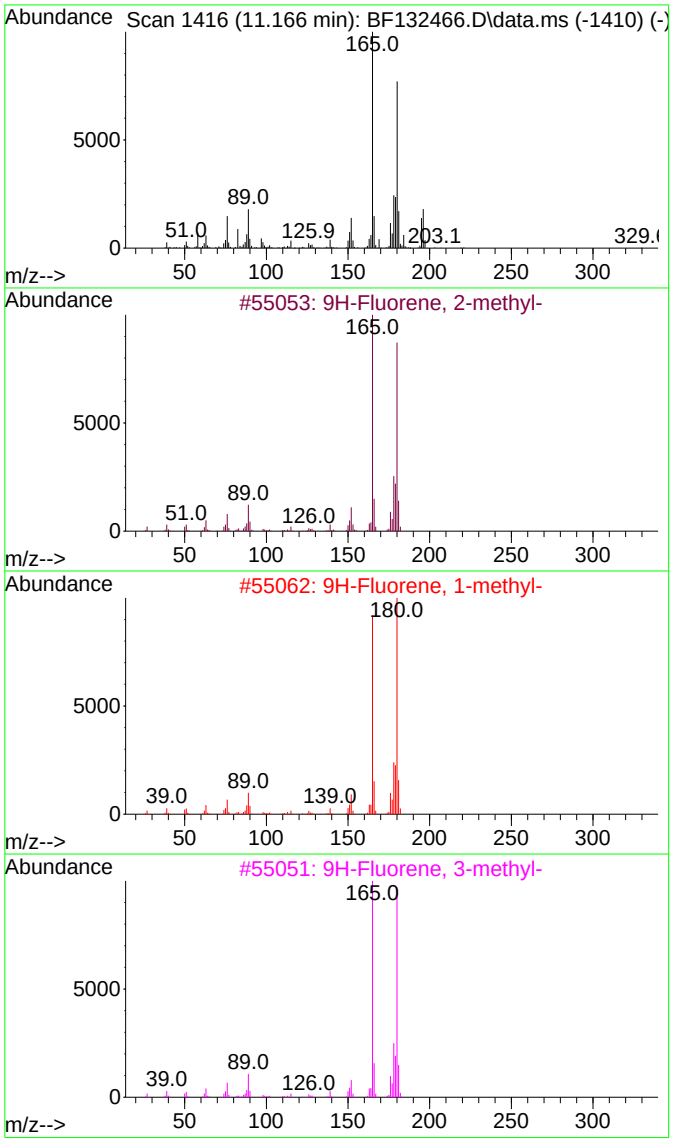
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

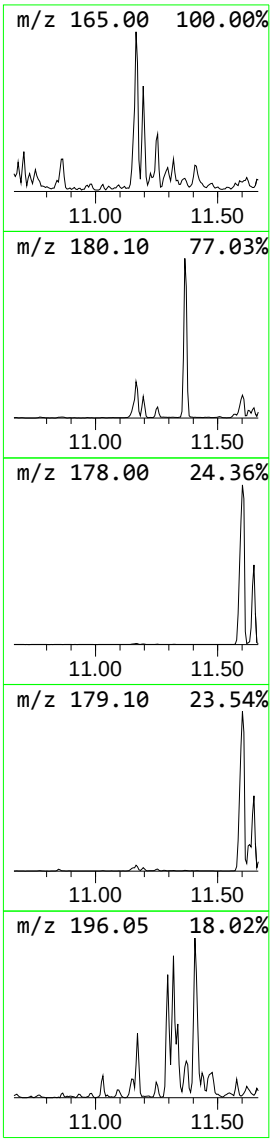
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.166	6.83 ng	639480	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

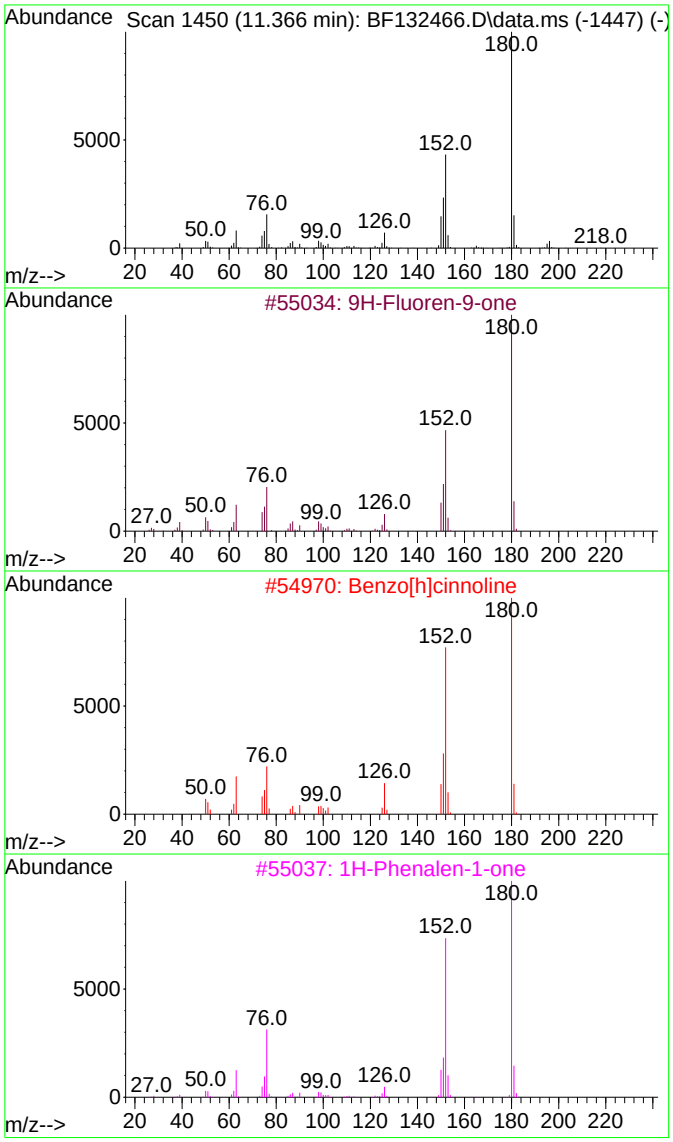
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

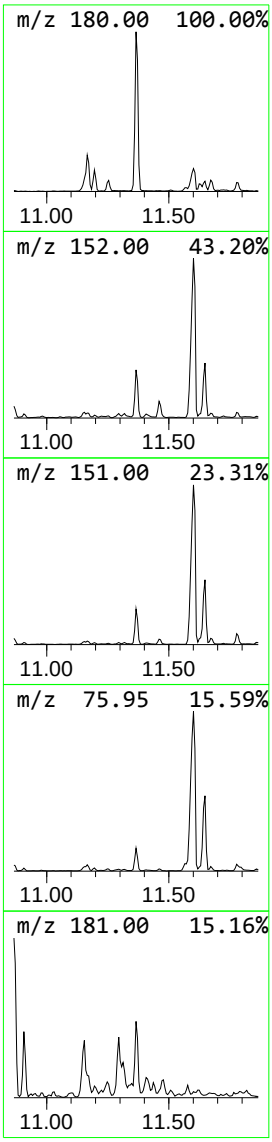
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.366	8.79 ng	823333	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	Benzo(f)quinoxaline	180	C12H8N2	000230-33-1	43





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Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 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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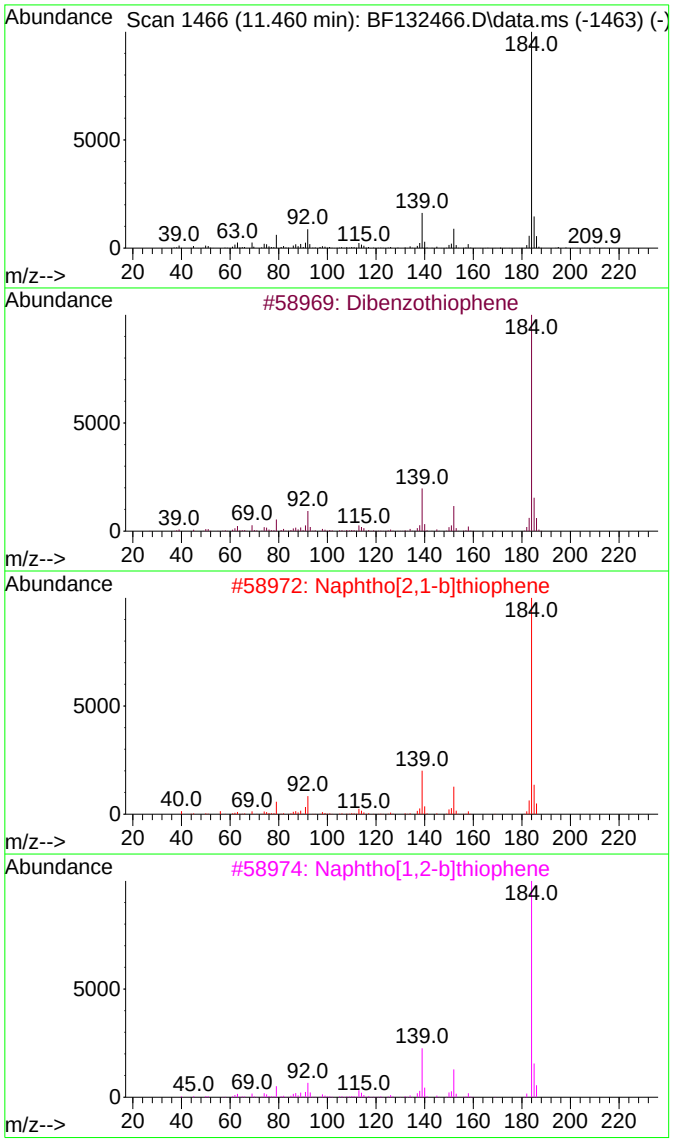
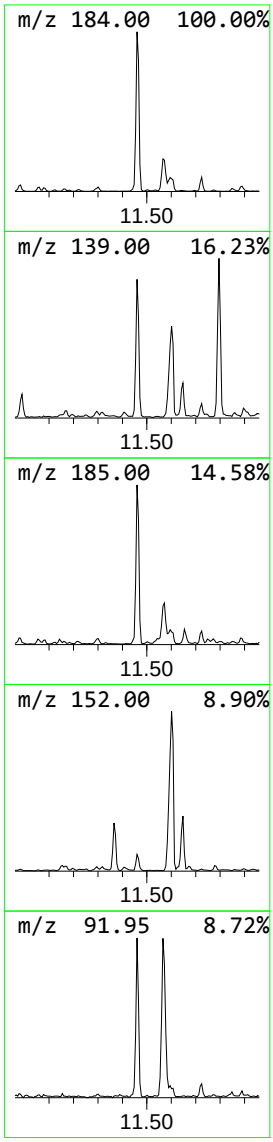
Peak Number 6 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.460	10.68 ng	1000140	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





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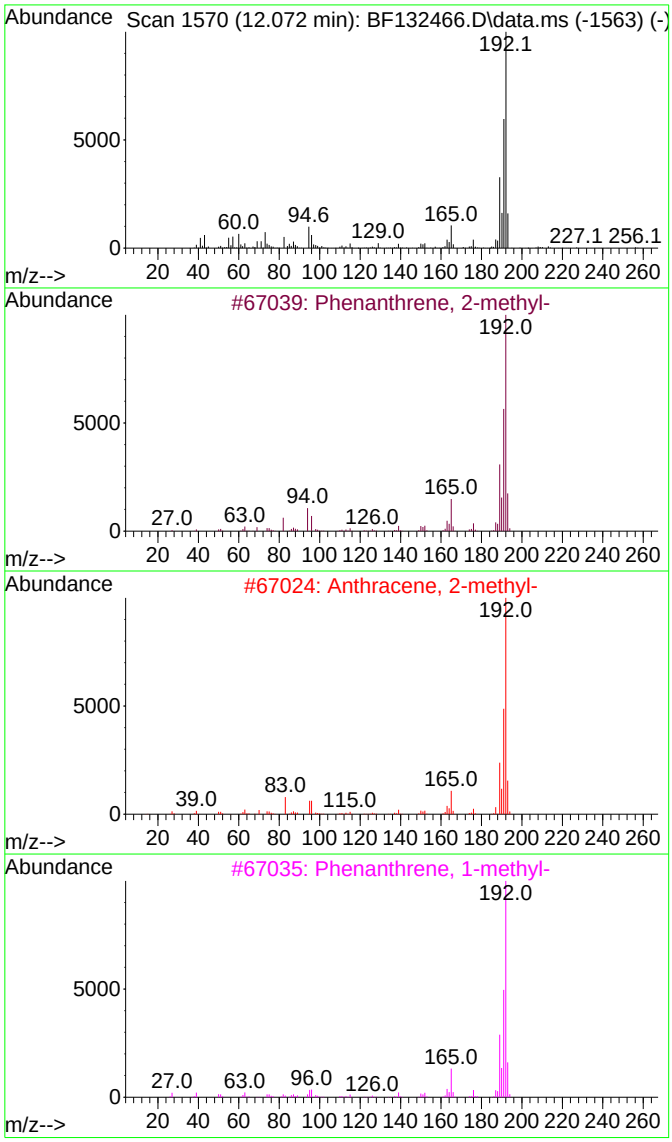
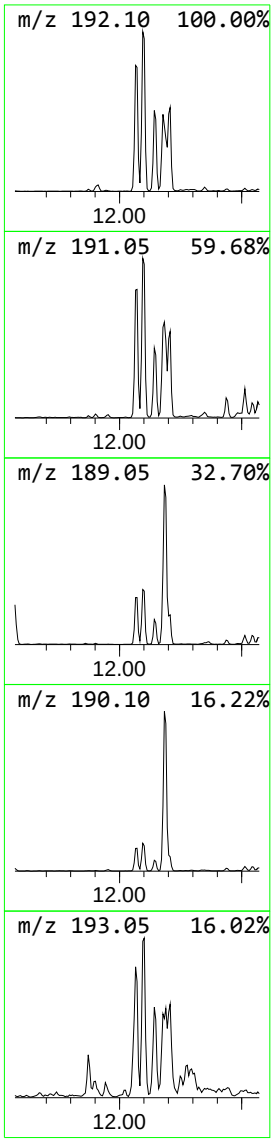
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.072	19.28 ng	1804800	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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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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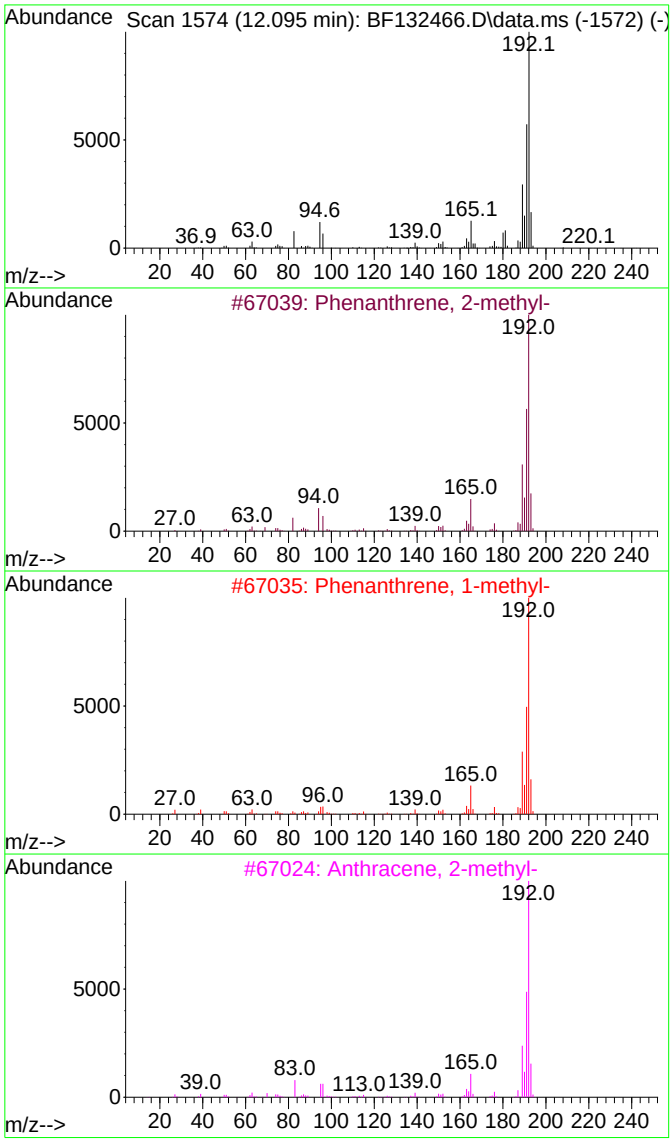
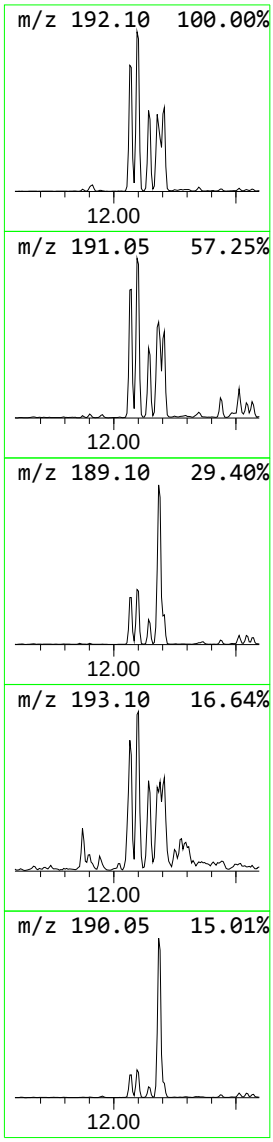
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	18.48 ng	1730430	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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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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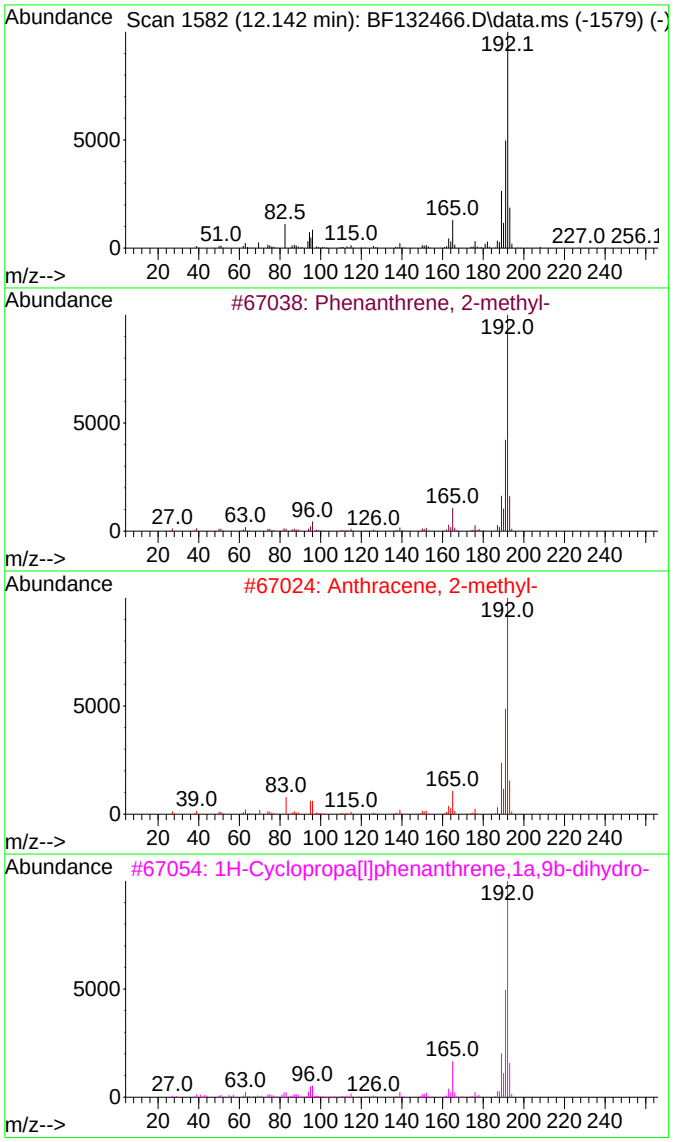
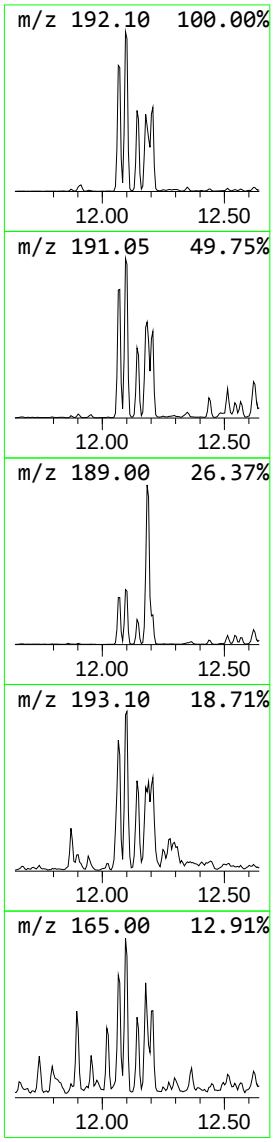
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.142	7.17 ng	671689	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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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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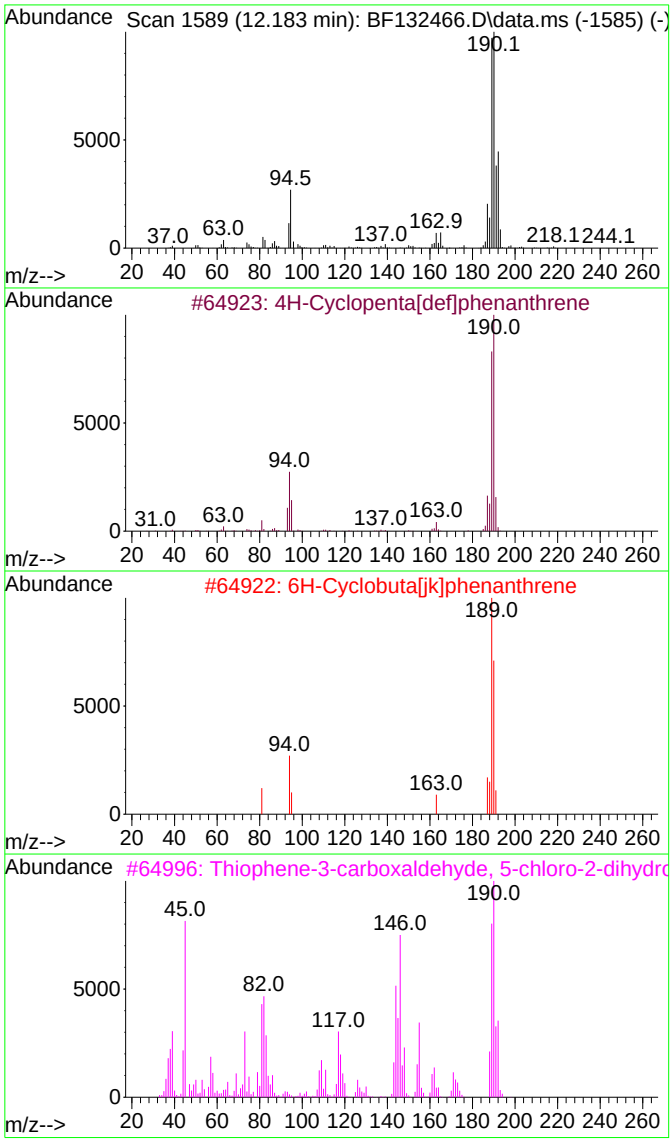
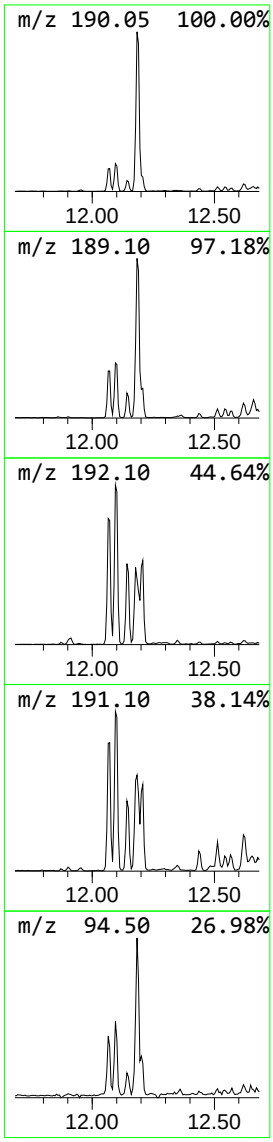
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.183	22.13 ng	2071900	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





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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 Phenanthrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.207	6.81 ng	637307	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
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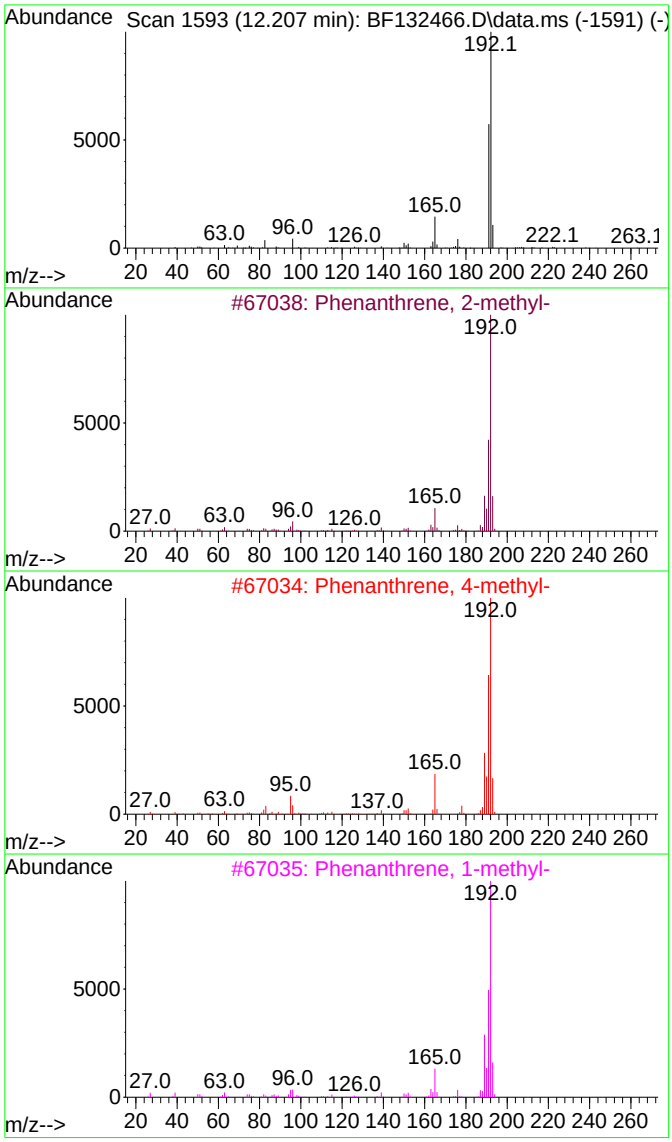

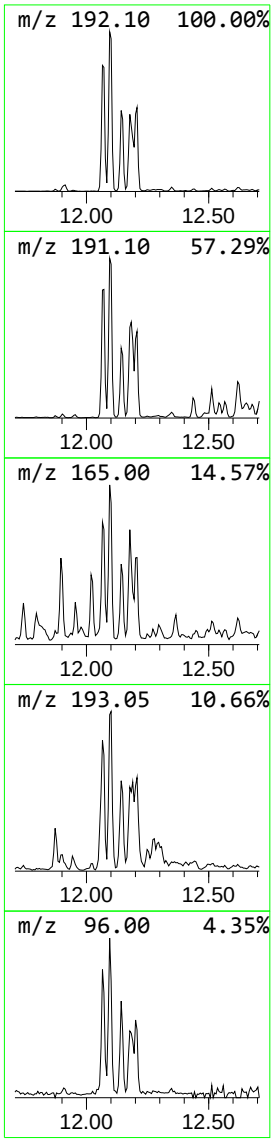

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Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

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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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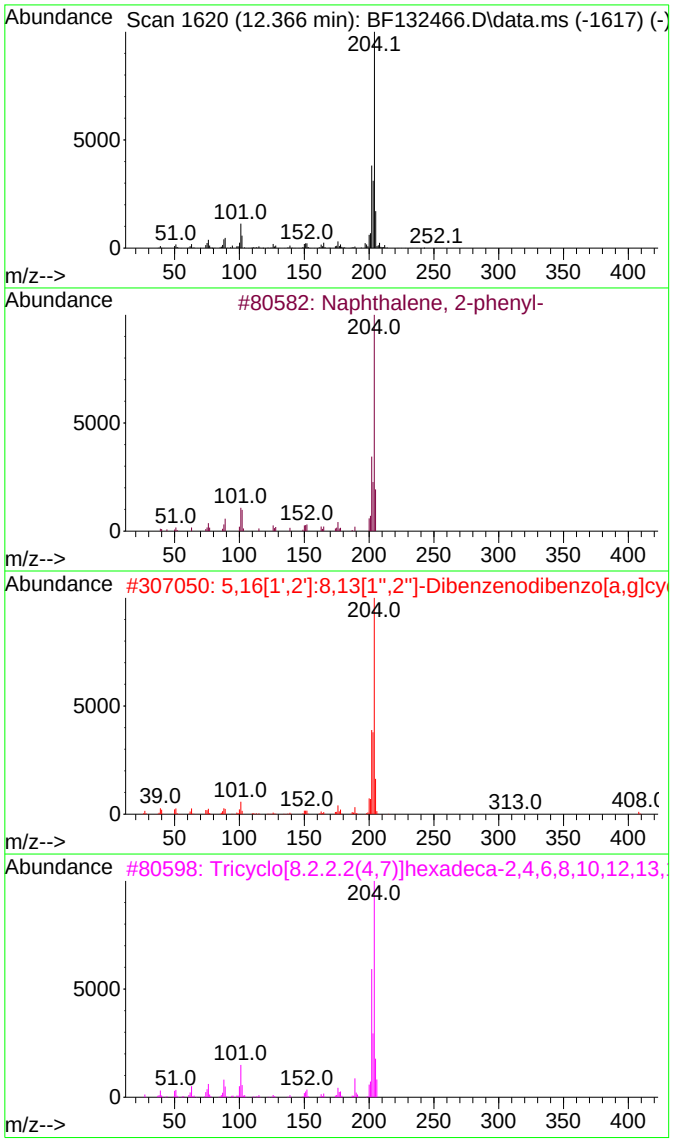
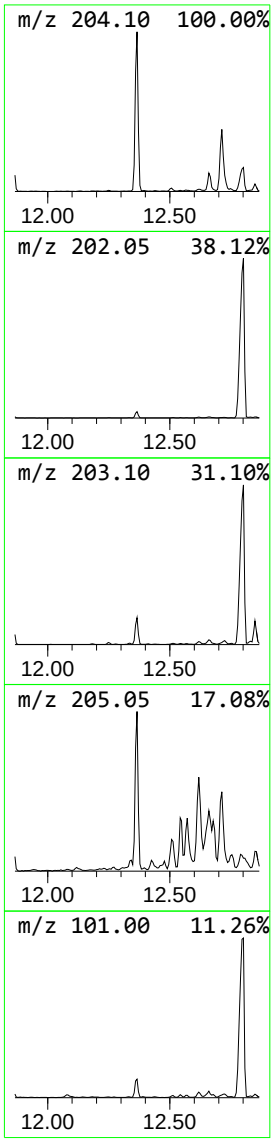
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.366	9.87 ng	924305	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Misc :
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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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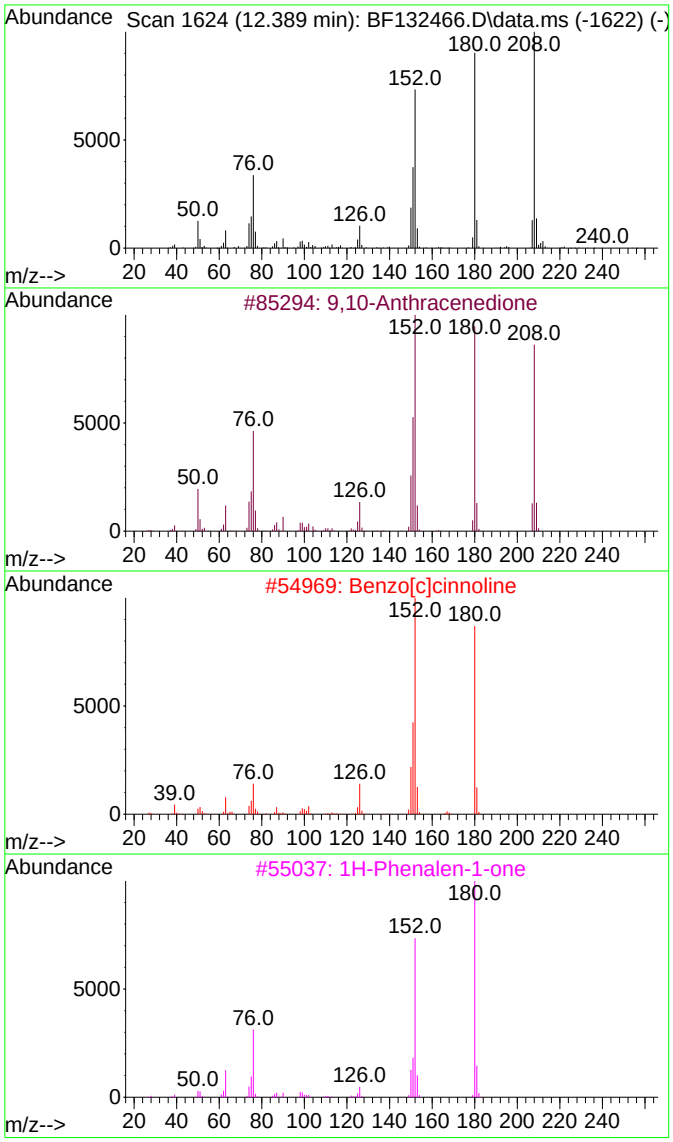
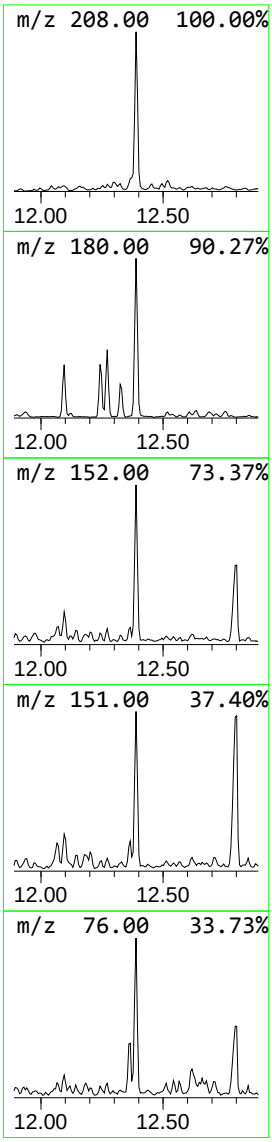
Peak Number 13 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.389	5.87 ng	549728	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	62





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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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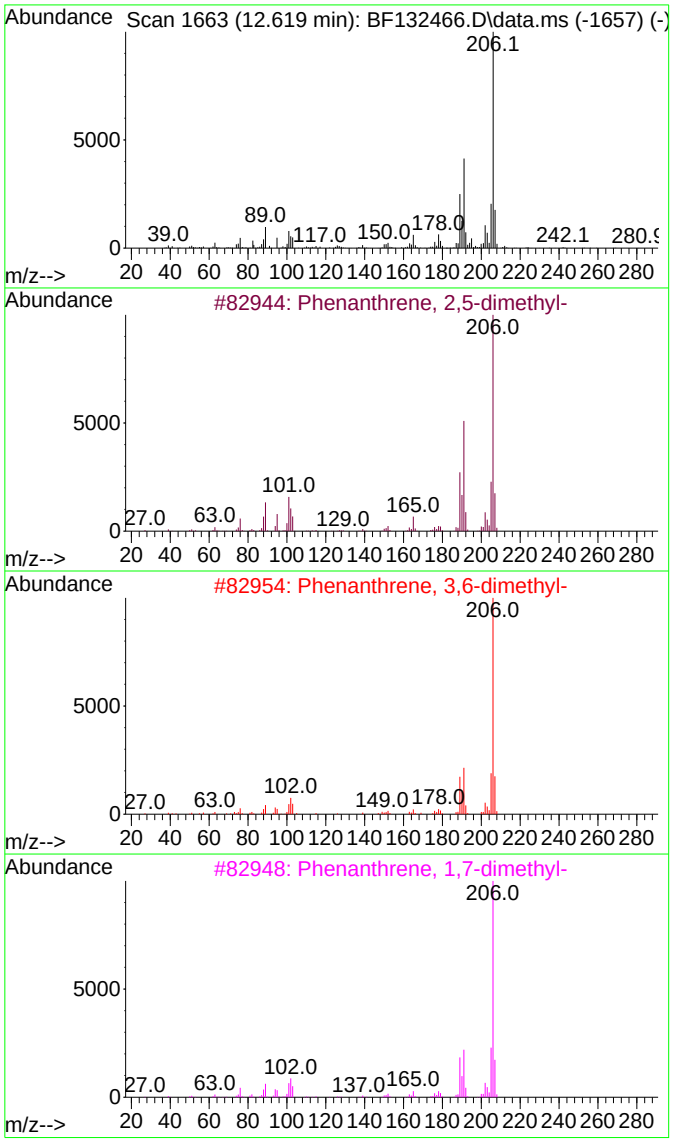
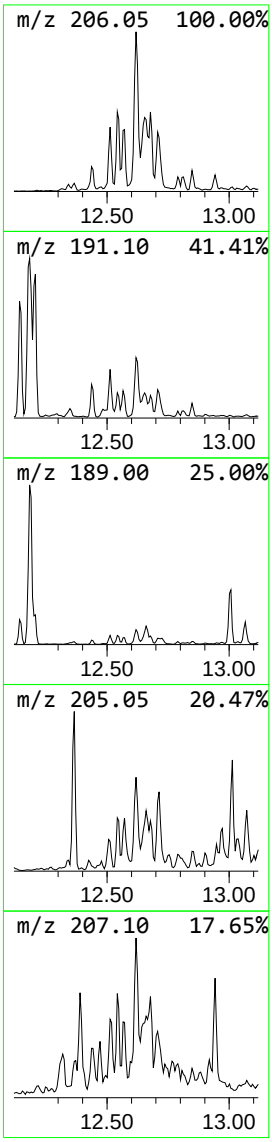
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.619	9.03 ng	845720	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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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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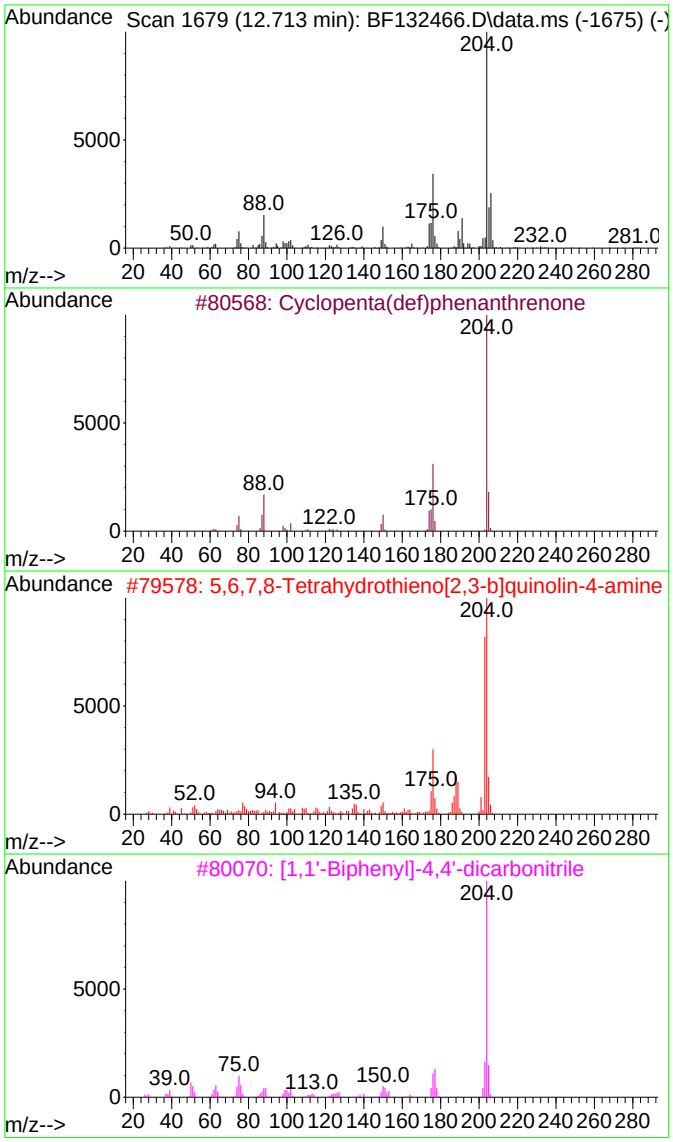
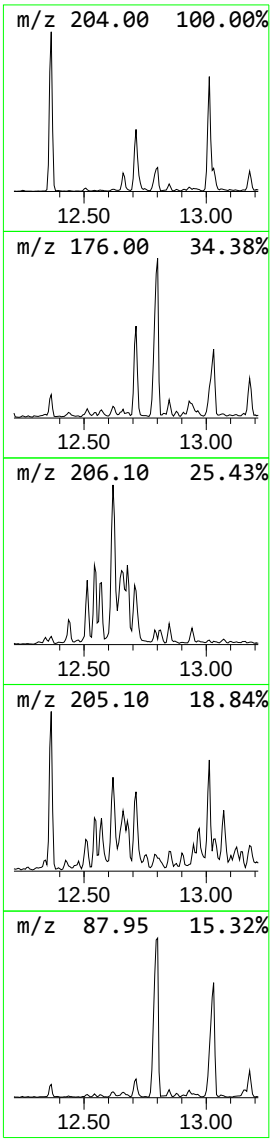
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.713	6.41 ng	599892	Phenanthrene-d10	11.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47





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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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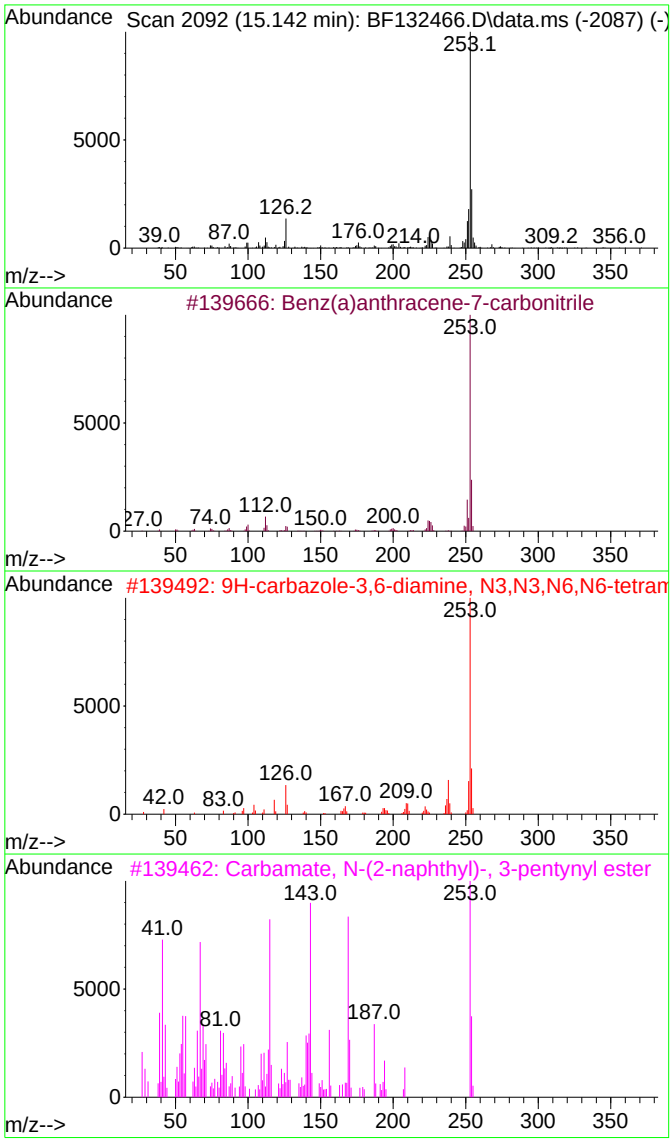
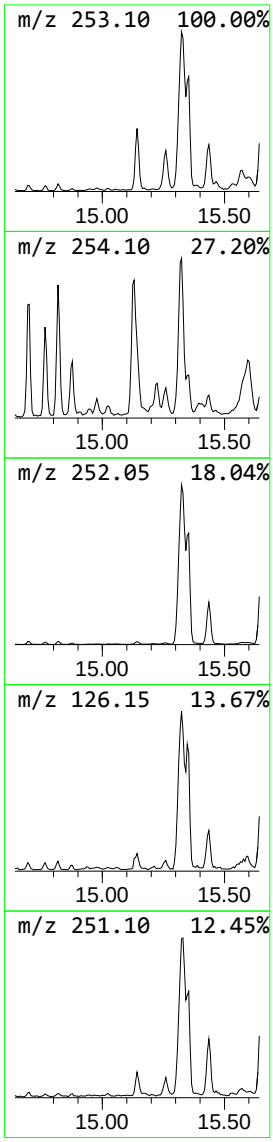
Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.142	8.52 ng	585694	Perylene-d12	15.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	92
2	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	64
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	50
4	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	45
5	Thiazol-2(3H)-one, 4,5-diphenyl-	253	C15H11NOS	006339-99-7	42





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Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.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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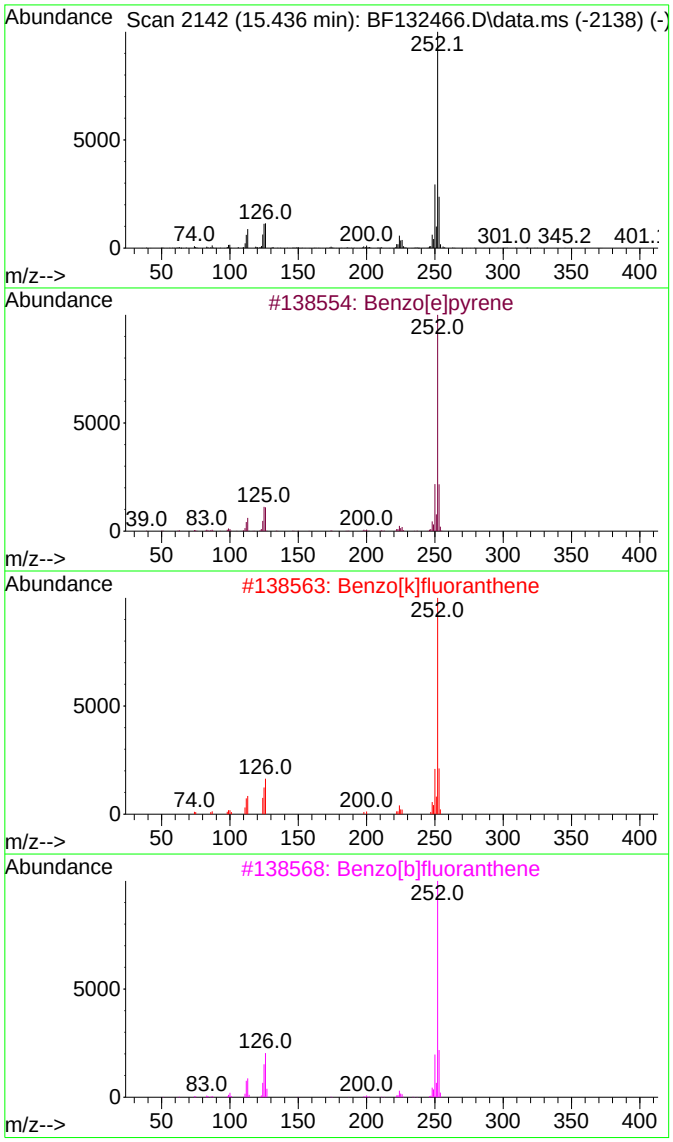
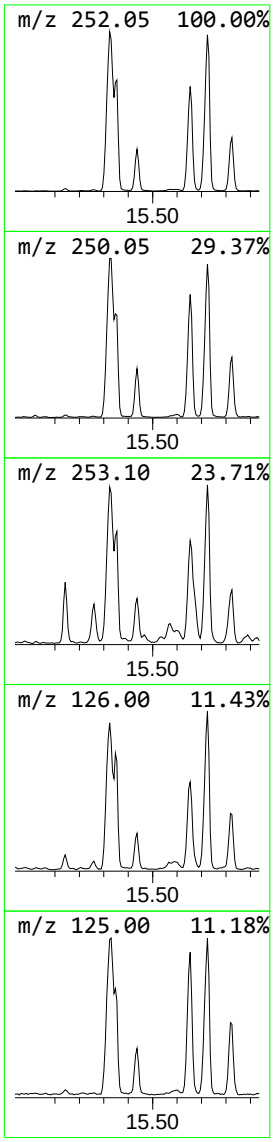
Peak Number 17 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.436	10.45 ng	718173	Perylene-d12	15.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.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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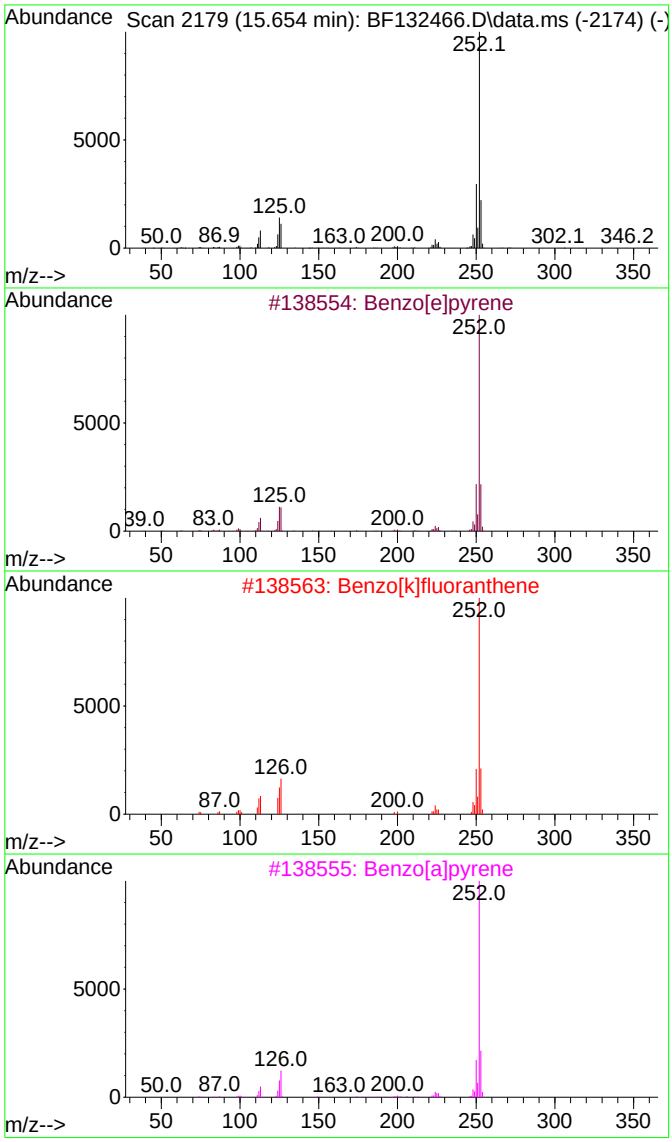
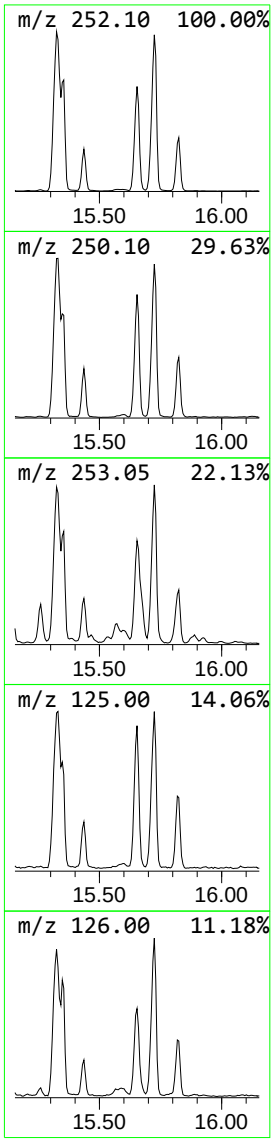
Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.654	37.13 ng	2551750	Perylene-d12	15.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	90





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Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.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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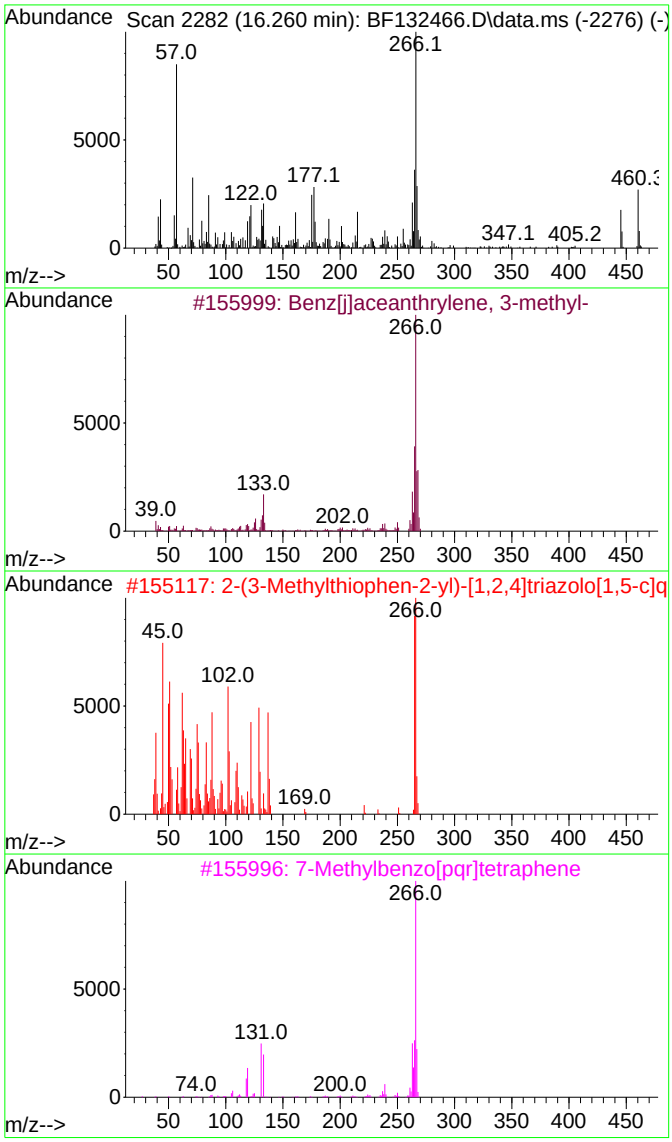
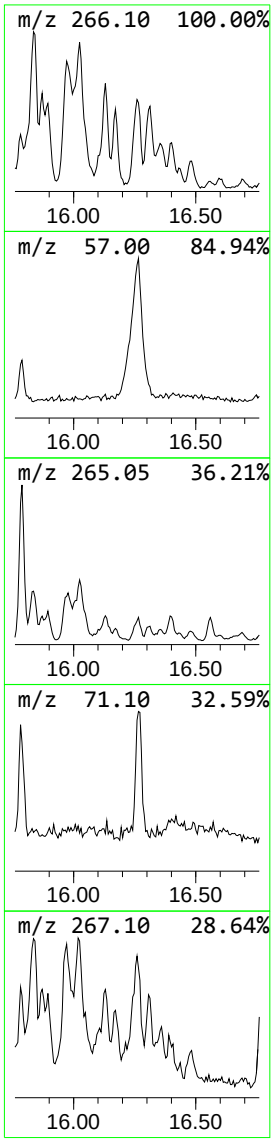
Peak Number 19 Benz[j]aceanthrylene, 3-met... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.259	16.72 ng	1149120	Perylene-d12	15.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	89
2	2-(3-Methylthiophen-2-yl)-[1,2,4...	266	C14H10N4S	1010410-07-0	86
3	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	70
4	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	097551-10-5	47
5	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.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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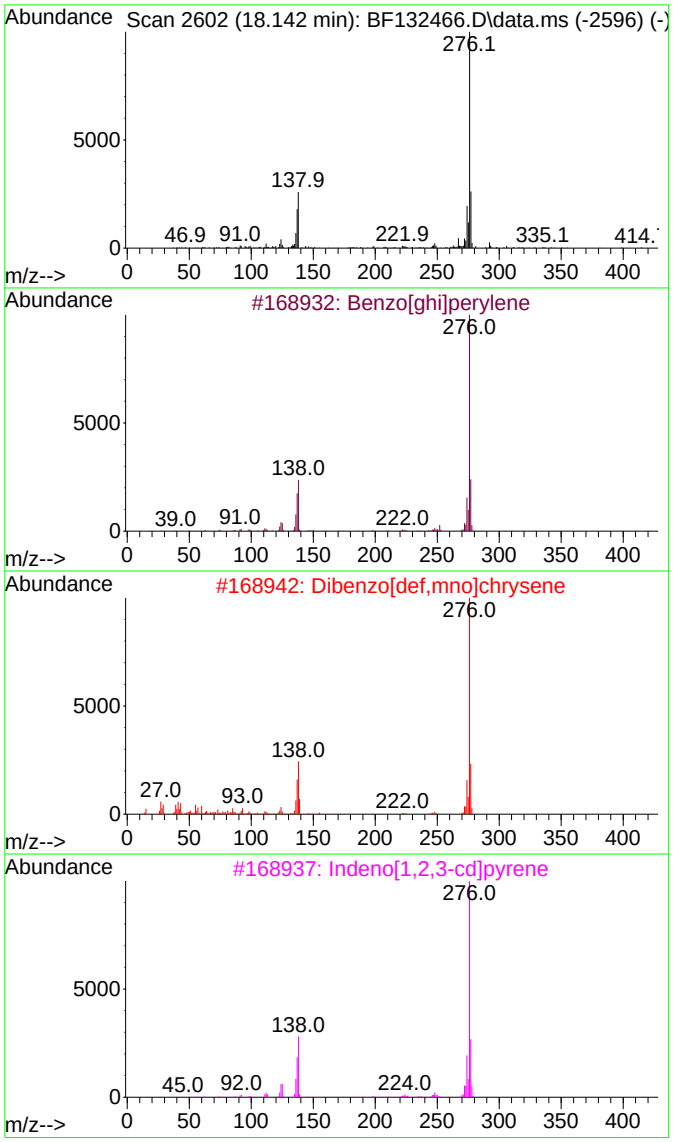
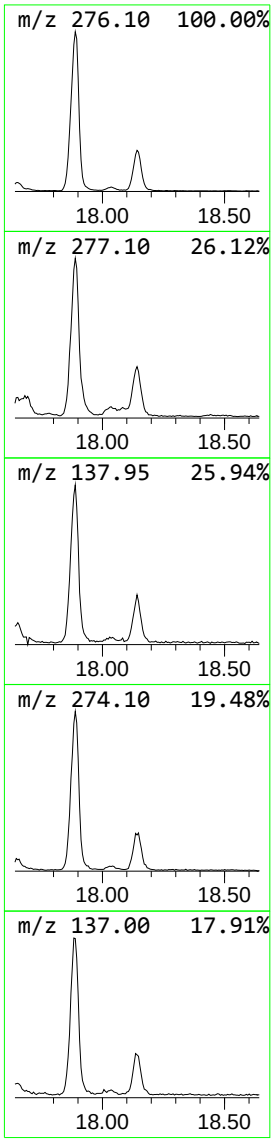
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	8.55 ng	587654	Perylene-d12	15.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	4-(2-(3-Nitrophenyl)ethenyl)quin...	276	C17H12N2O2	074839-90-0	55
5	2-Naphthalenol, 1-[(2,4-dimethyl...	276	C18H16N2O	003118-97-6	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132466.D
Acq On : 17 Feb 2023 23:53
Operator : CG\JU
Sample : 01552-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.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-...	5.266	43.1	ng	3140770	1	7.019	1457710	20.0
Naphthalene, 2,...	9.725	7.8	ng	754212	3	10.072	1940450	20.0
Dibenzofuran, 4...	10.778	9.8	ng	952202	3	10.072	1940450	20.0
9H-Fluorene, 2-...	11.166	6.8	ng	639480	4	11.566	1872670	20.0
9H-Fluoren-9-one	11.366	8.8	ng	823333	4	11.566	1872670	20.0
Dibenzothiophene	11.460	10.7	ng	1000140	4	11.566	1872670	20.0
Phenanthrene, 2...	12.072	19.3	ng	1804800	4	11.566	1872670	20.0
Phenanthrene, 1...	12.095	18.5	ng	1730430	4	11.566	1872670	20.0
Anthracene, 2-m...	12.142	7.2	ng	671689	4	11.566	1872670	20.0
4H-Cyclopenta[d...	12.183	22.1	ng	2071900	4	11.566	1872670	20.0
Phenanthrene, 4...	12.207	6.8	ng	637307	4	11.566	1872670	20.0
Naphthalene, 2-...	12.366	9.9	ng	924305	4	11.566	1872670	20.0
9,10-Anthracene...	12.389	5.9	ng	549728	4	11.566	1872670	20.0
Phenanthrene, 2...	12.619	9.0	ng	845720	4	11.566	1872670	20.0
Cyclopenta(def)...	12.713	6.4	ng	599892	4	11.566	1872670	20.0
Benz(a)anthrace...	15.142	8.5	ng	585694	6	15.789	1374440	20.0
Benzo[e]pyrene	15.436	10.4	ng	718173	6	15.789	1374440	20.0
Perylene	15.654	37.1	ng	2551750	6	15.789	1374440	20.0
Benz[j]aceanthr...	16.259	16.7	ng	1149120	6	15.789	1374440	20.0
Dibenzo[def,mno...	18.142	8.6	ng	587654	6	15.789	1374440	20.0