LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-4-012125

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141242.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.193	181	187	197	rBV	10265	31573	1.41%	0.101%
2	5.410	558	564	580	rVB	355289	474543	21.12%	1.515%
3	6.428	732	737	750	rVB	370512	473469	21.07%	1.511%
4	6.804	796	801	809	rBV	694096	848950	37.78%	2.710%
5	7.363	887	896	901	rBV	233501	308675	13.74%	0.985%
6	7.828	968	975	983	rBV2	14791	31319	1.39%	0.100%
7	8.087	1012	1019	1028	rBV2	890816	1394639	62.06%	4.452%
8	8.798	1135	1140	1145	rVV	340969	421102	18.74%	1.344%
9	8.898	1152	1157	1165	rVB	330404	416447	18.53%	1.329%
10	9.163	1197	1202	1207	rBV	490399	593522	26.41%	1.895%
11	9.263	1212	1219	1224	rBV2	48070	80809	3.60%	0.258%
12	9.363	1229	1236	1241	rVB	83481	141691	6.31%	0.452%
13	9.428	1241	1247	1252	rBV	197724	304876	13.57%	0.973%
14	9.504	1255	1260	1262	rBV	295428	414142	18.43%	1.322%
15	9.528	1262	1264	1268	rVB	161425	170957	7.61%	0.546%
16	9.622	1275	1280	1287	rVV	148759	236116	10.51%	0.754%
17	9.704	1287	1294	1298	rVB2	114808	158552	7.06%	0.506%
18	9.845	1310	1318	1321	rBV	888545	1237925	55.09%	3.952%
19	9.875	1321	1323	1327	rVB	258522	284177	12.65%	0.907%
20	9.951	1332	1336	1340	rBV	79184	123788	5.51%	0.395%
21	9.998	1340	1344	1348	rBV2	58291	84280	3.75%	0.269%
22	10.045	1348	1352	1356	rBV	149989	185401	8.25%	0.592%
23	10.086	1356	1359	1367	rVB	111616	151341	6.73%	0.483%
24	10.163	1367	1372	1374	rBV	99232	138914	6.18%	0.443%
25	10.186	1374	1376	1382	rVB	72929	84347	3.75%	0.269%
26	10.251	1382	1387	1394	rBV2	88883	198033	8.81%	0.632%
27	10.339	1396	1402	1406	rBV4	53413	91015	4.05%	0.291%
28	10.392	1406	1411	1416	rBV	314404	436670	19.43%	1.394%
29	10.457	1416	1422	1424	rBV2	105311	195281	8.69%	0.623%
30	10.551	1434	1438	1443	rVB3	131571	211160	9.40%	0.674%
31	10.628	1443	1451	1456	rBV	275824	396942	17.66%	1.267%
32	10.669	1456	1458	1464	rVB3	32511	50893	2.26%	0.162%
33	10.757	1468	1473	1479	rVB2	80981	125525	5.59%	0.401%
34	10.833	1479	1486	1489	rBV4	38577	77944	3.47%	0.249%
35	10.939	1498	1504	1506	rBV3	138036	223569	9.95%	0.714%
36	10.969	1506	1509	1513	rVV2	97158	133702	5.95%	0.427%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.022	1515	1518	1521	rVB2	67982	81773	3.64%	0.261%
38	11.063	1521	1525	1526	rBV2	37822	49505	2.20%	0.158%
39	11.133	1534	1537	1541	rVB3	53578	68721	3.06%	0.219%
40	11.180	1541	1545	1549	rBV4	38549	72407	3.22%	0.231%
41	11.228	1549	1553	1564	rVB	123214	190839	8.49%	0.609%
42	11.333	1565	1571	1572	rBV	731265	902825	40.18%	2.882%
43	11.357	1572	1575	1579	rVV	1574043	1932875	86.02%	6.170%
44	11.404	1579	1583	1587	rVV	431715	527992	23.50%	1.686%
45	11.439	1587	1589	1593	rVB2	32723	35456	1.58%	0.113%
46	11.563	1607	1610	1617	rBV3	47926	80327	3.57%	0.256%
47	11.627	1618	1621	1624	rVV	73527	92850	4.13%	0.296%
48	11.663	1624	1627	1632	rVB2	106863	134812	6.00%	0.430%
49	11.745	1638	1641	1645	rVB	59727	79730	3.55%	0.255%
50	11.786	1645	1648	1651	rBV	32022	41960	1.87%	0.134%
51	11.833	1651	1656	1658	rBV	414413	530190	23.59%	1.693%
52	11.863	1658	1661	1665	rVB	543259	661351	29.43%	2.111%
53	11.910	1665	1669	1671	rBV	181087	219380	9.76%	0.700%
54	11.945	1671	1675	1683	rVB	628193	1255091	55.85%	4.007%
55	12.033	1685	1690	1693	rBV4	27844	59179	2.63%	0.189%
56	12.069	1693	1696	1699	rVB2	33936	36827	1.64%	0.118%
57	12.127	1700	1706	1709	rBV	212424	341953	15.22%	1.092%
58	12.204	1717	1719	1725	rBV3	21948	29039	1.29%	0.093%
59	12.280	1726	1732	1734	rBV2	97650	159162	7.08%	0.508%
60	12.310	1734	1737	1739	rVV	47629	44487	1.98%	0.142%
61	12.386	1745	1750	1753	rBV	278543	417107	18.56%	1.332%
62	12.422	1753	1756	1761	rVV	192418	337099	15.00%	1.076%
63	12.469	1761	1764	1772	rVB3	150118	251525	11.19%	0.803%
64	12.545	1772	1777	1782	rBV	1315800	1676078	74.59%	5.351%
65	12.610	1782	1788	1792	rVV3	55604	128247	5.71%	0.409%
66	12.774	1810	1816	1822	rBV	1516317	2247129	100.00%	7.174%
67	12.916	1833	1840	1847	rVB2	401117	670969	29.86%	2.142%
68	12.992	1848	1853	1860	rBV2	216461	410880	18.28%	1.312%
69	13.098	1865	1871	1876	rVB	297161	606002	26.97%	1.935%
70	13.169	1879	1883	1886	rBV	194855	257949	11.48%	0.823%
71	13.210	1886	1890	1893	rVV	212823	264509	11.77%	0.844%
72	13.298	1902	1905	1908	rBV	156588	202424	9.01%	0.646%
73	13.333	1908	1911	1920	rVB	205272	292502	13.02%	0.934%
74	13.721	1973	1977	1980	rBV2	128020	219546	9.77%	0.701%
75	13.821	1991	1994	2002	rVB2	137052	210819	9.38%	0.673%
76	13.969	2014	2019	2023	rBV2	1188550	2146459	95.52%	6.852%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.363	2083	2086	2089	rBV	168680	190360	8.47%	0.608%
78	15.015	2192	2197	2205	rVB	390249	877745	39.06%	2.802%
79	15.310	2244	2247	2253	rVB	212503	313995	13.97%	1.002%
80	15.368	2254	2257	2263	rVB	309172	455556	20.27%	1.454%
81	15.433	2264	2268	2272	rBV	382868	587005	26.12%	1.874%

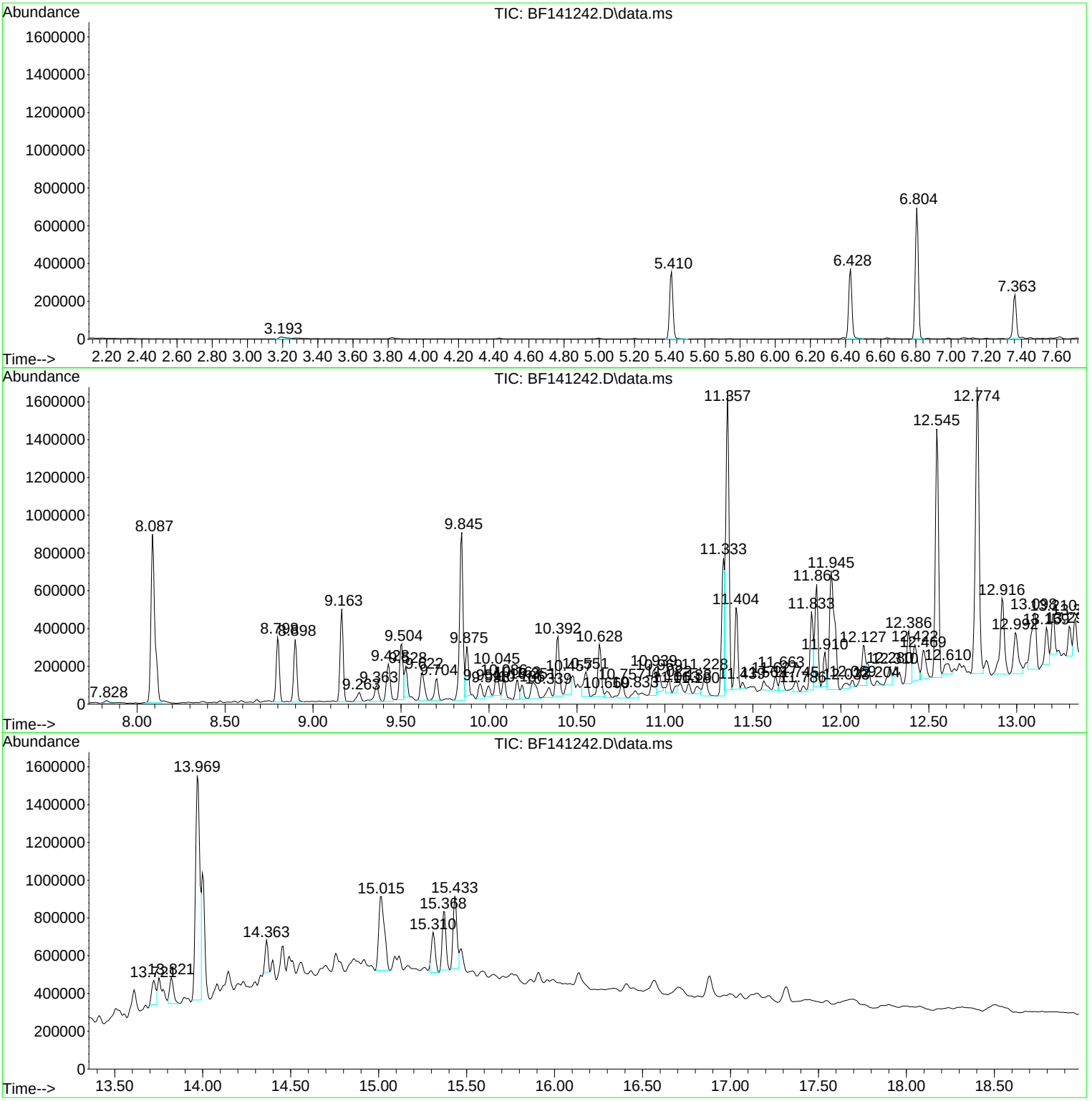
Sum of corrected areas: 31324925

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

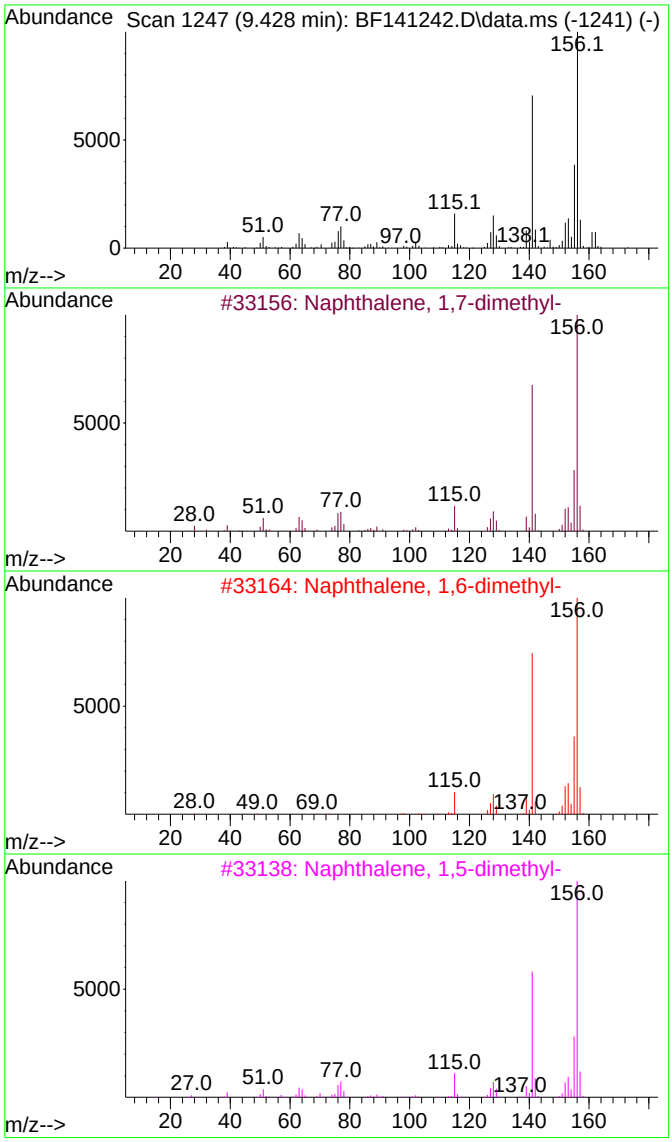
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

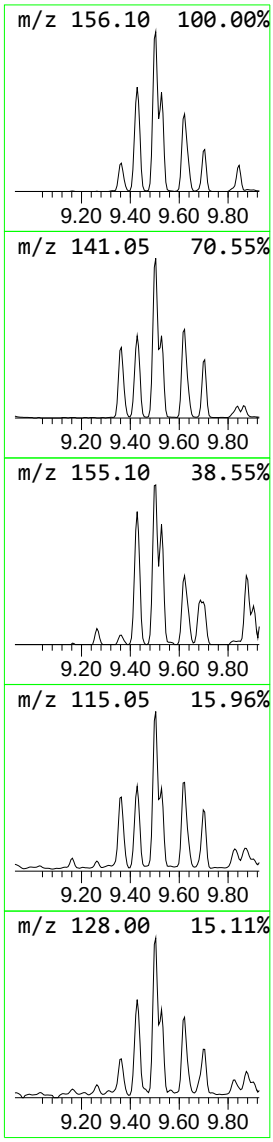
****

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.428	4.93 ng	304876	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

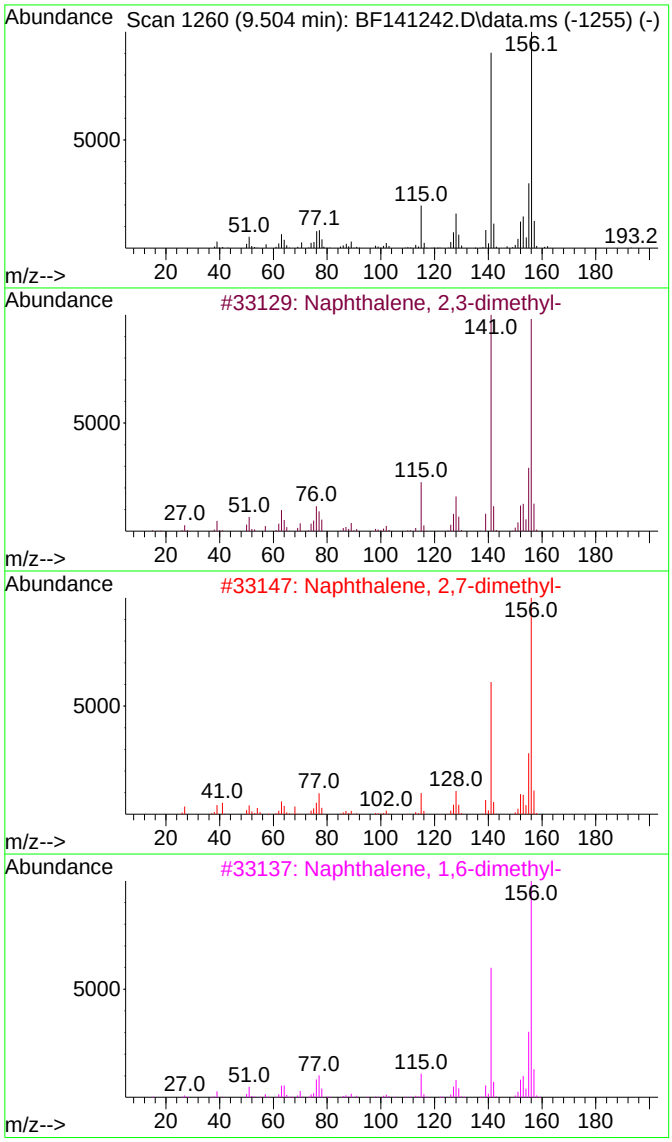
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

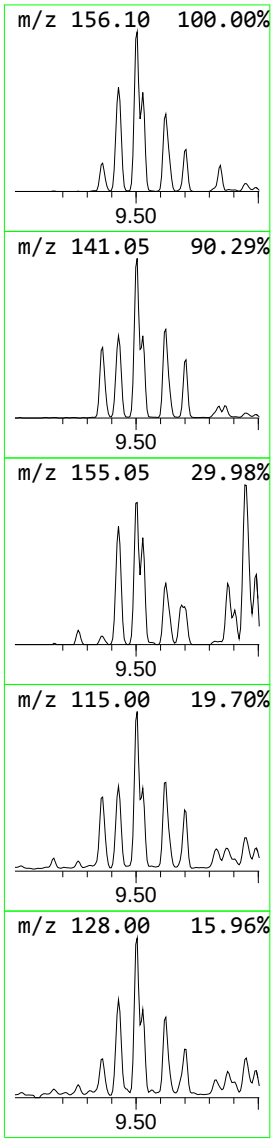
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	6.69 ng	414142	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

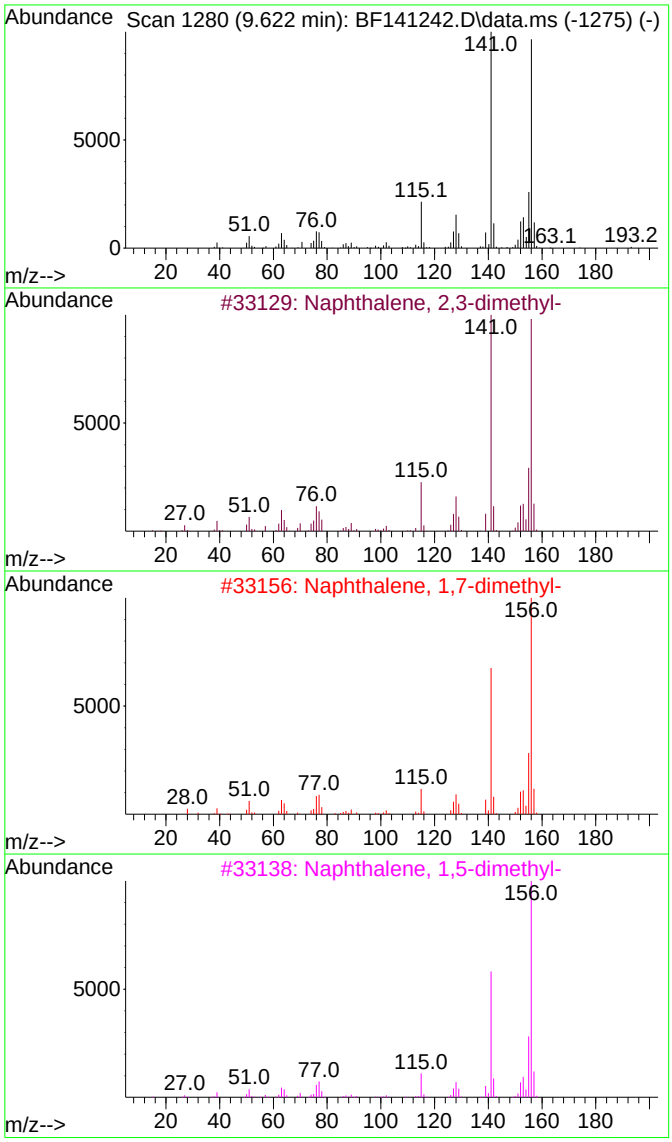
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

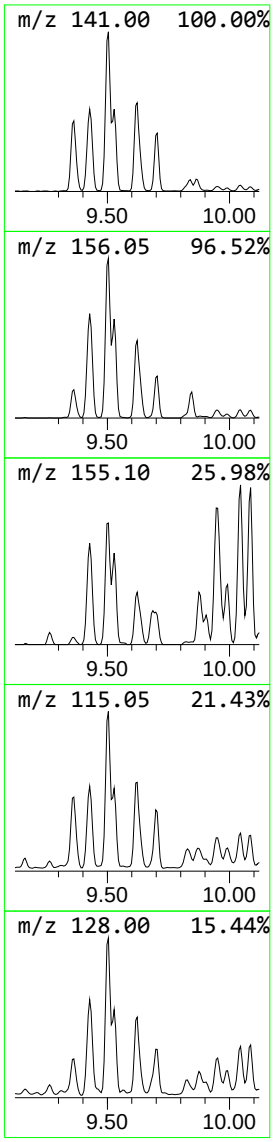
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.622	3.81 ng	236116	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

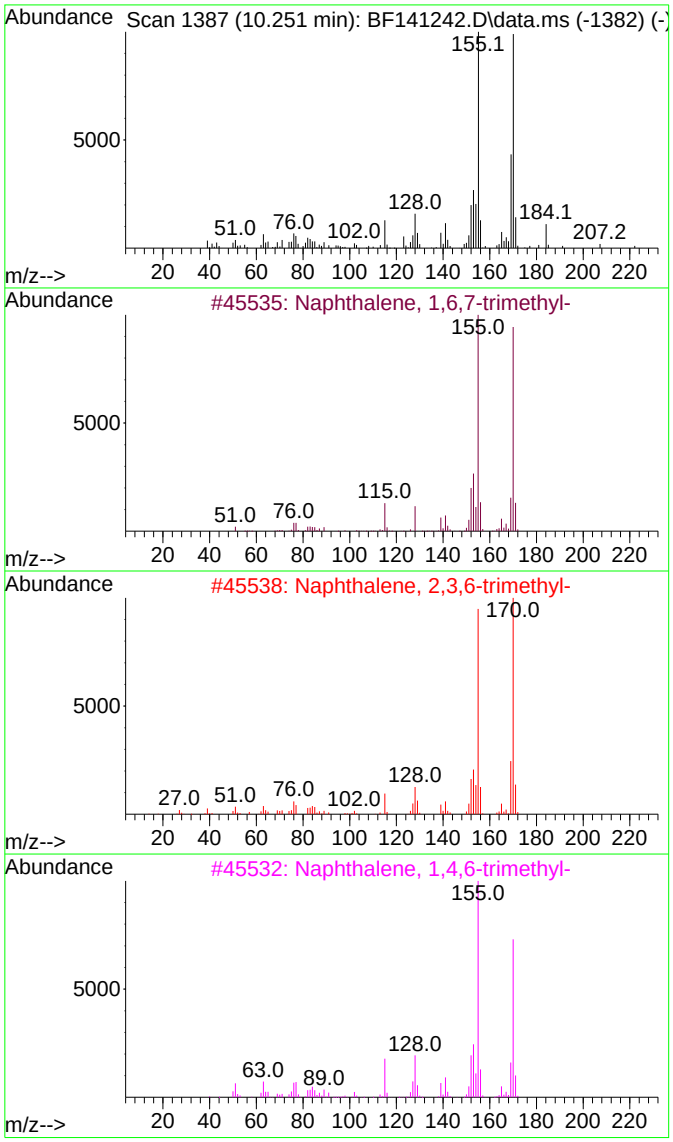
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

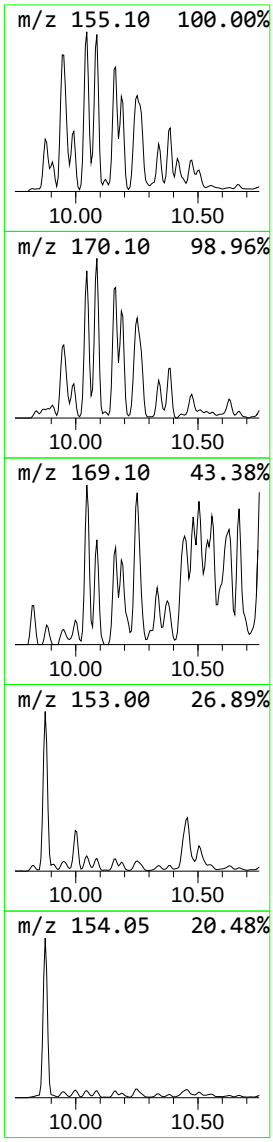
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	3.20 ng	198033	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

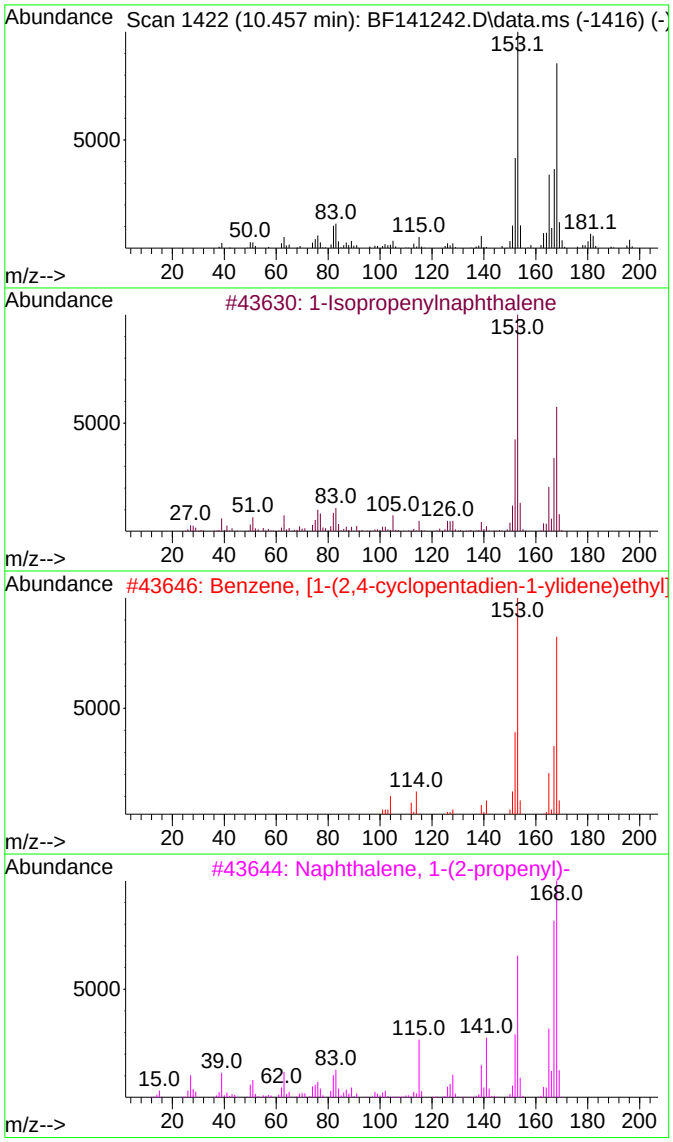
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

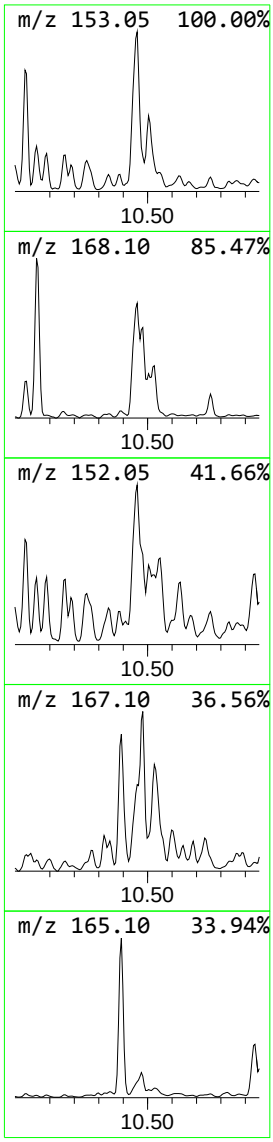
****

Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.457	3.15 ng	195281	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	Diphenylmethane	168	C13H12	000101-81-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

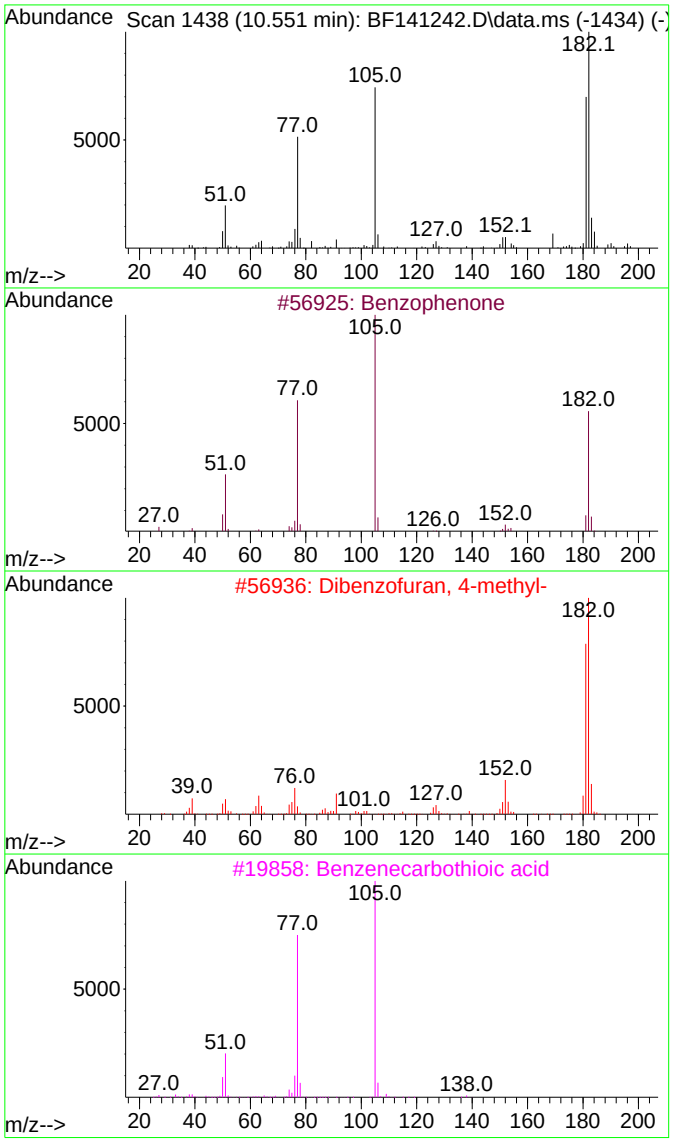
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

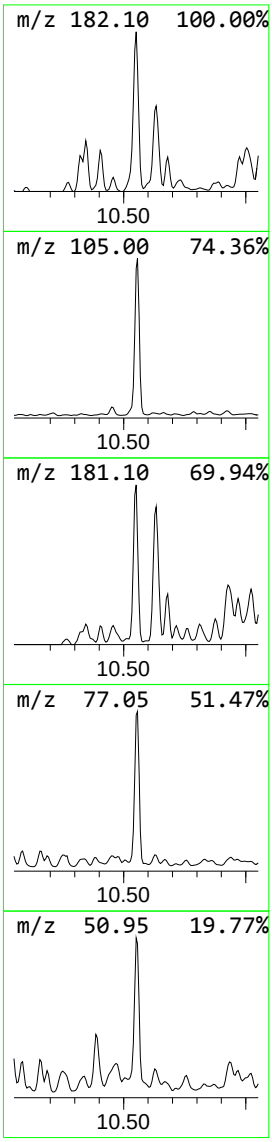
****

Peak Number 6 Benzophenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	3.41 ng	211160	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	49
3	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	38
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	30
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	30





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Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

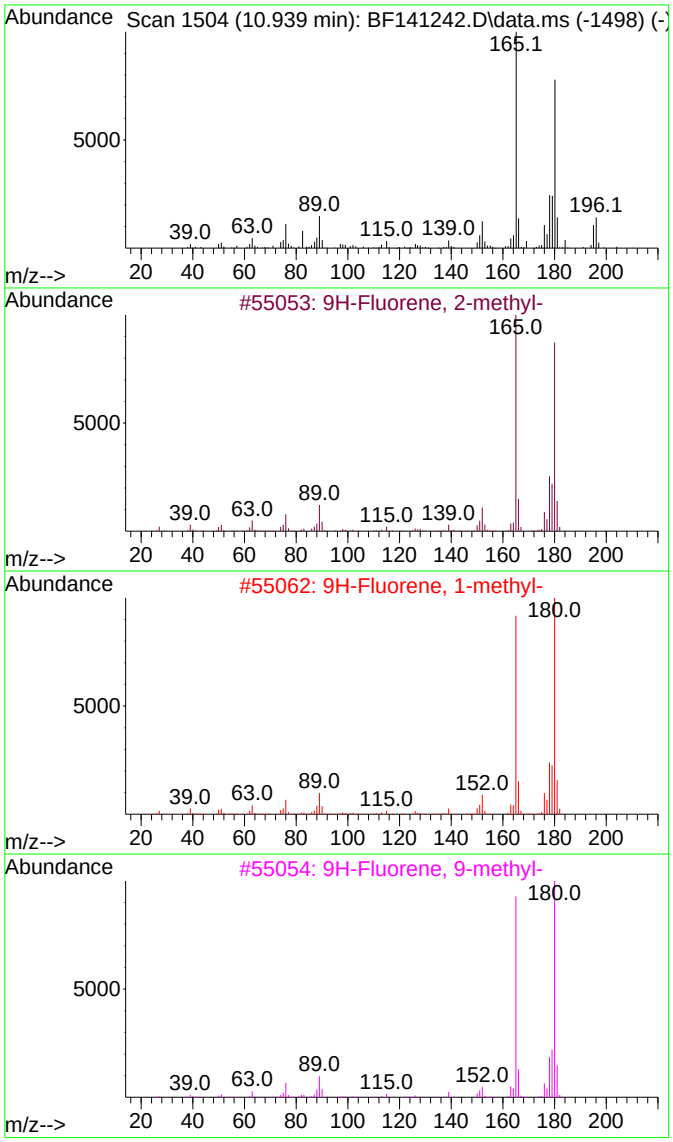
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

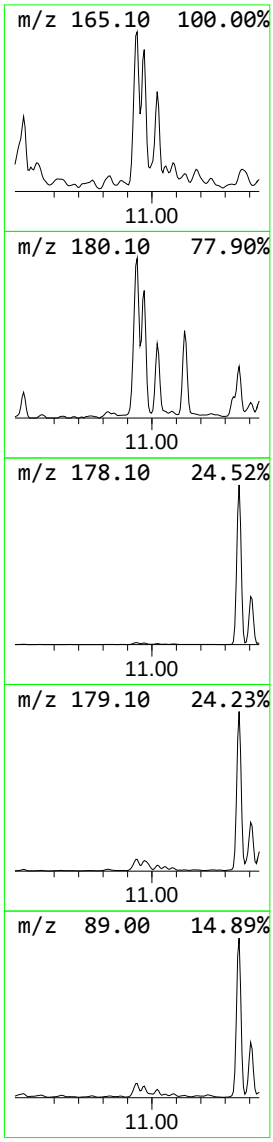
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.939	4.95 ng	223569	Phenanthrene-d10	11.333

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	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

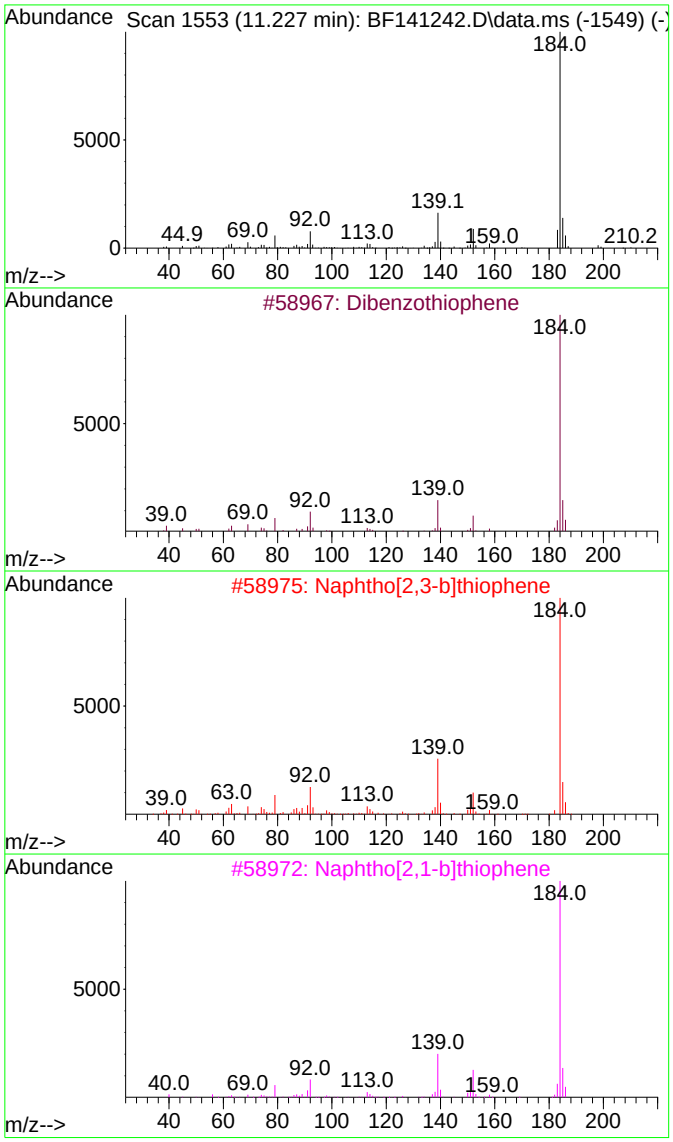
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

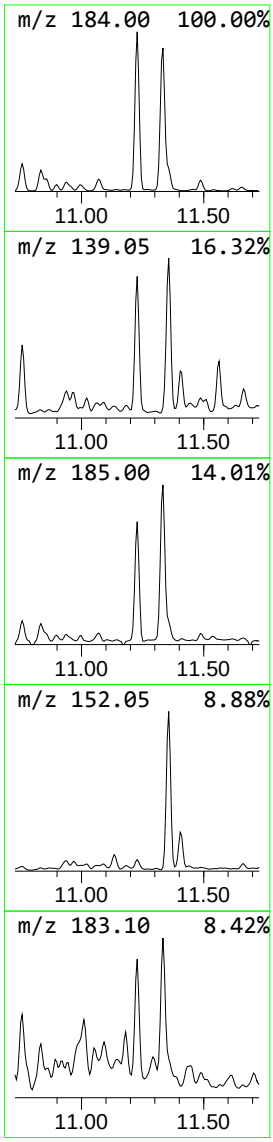
****

Peak Number 8 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	4.23 ng	190839	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

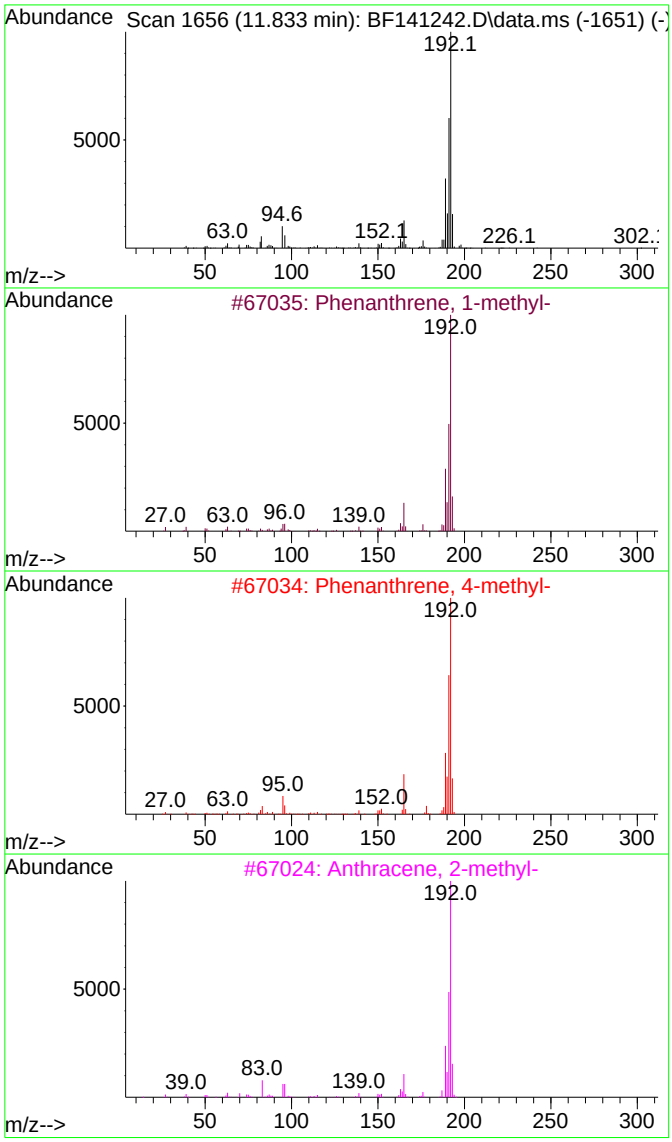
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

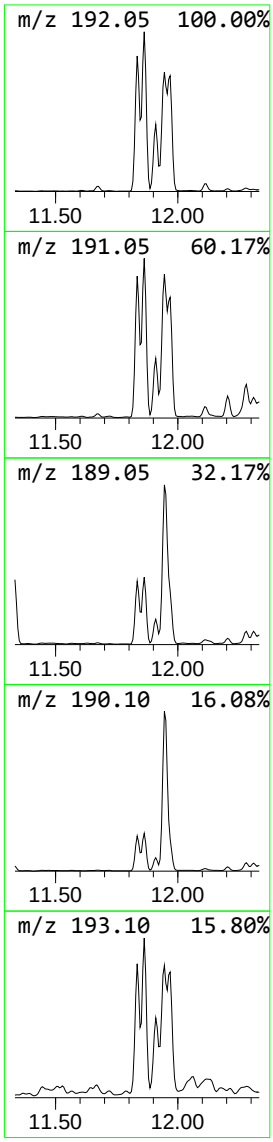
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	11.75 ng	530190	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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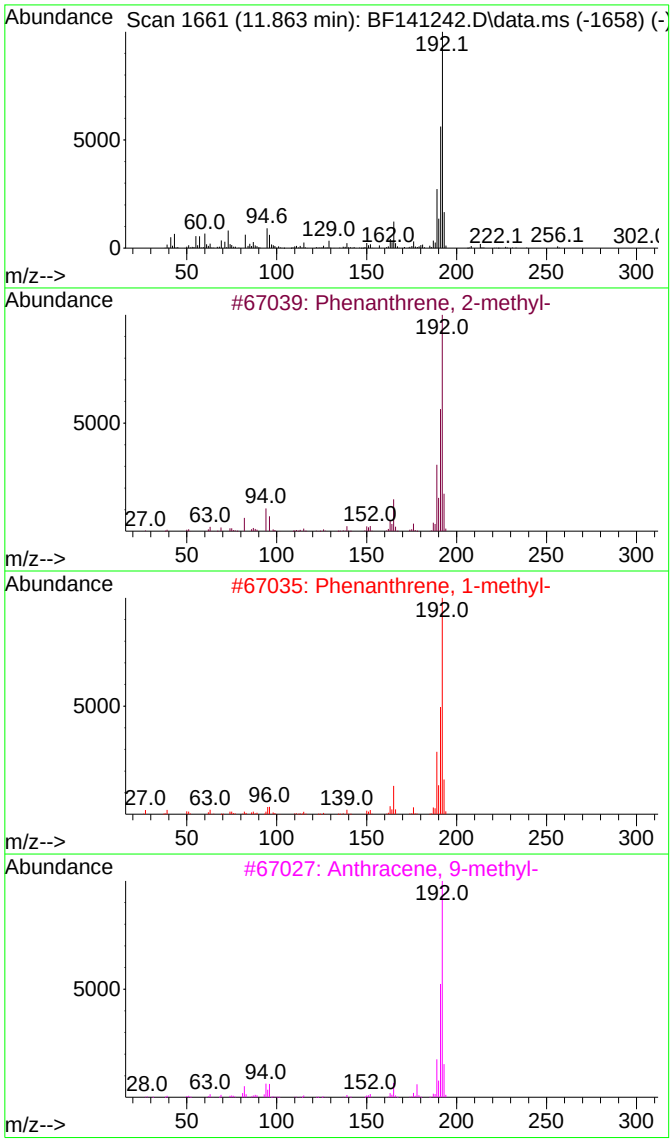
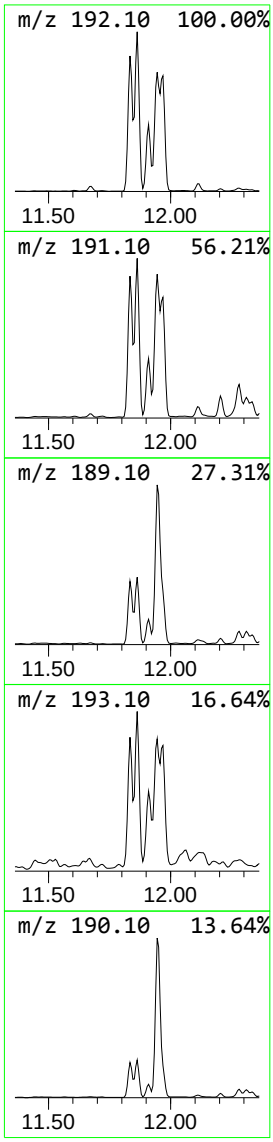
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	14.65 ng	661351	Phenanthrene-d10	11.333

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	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

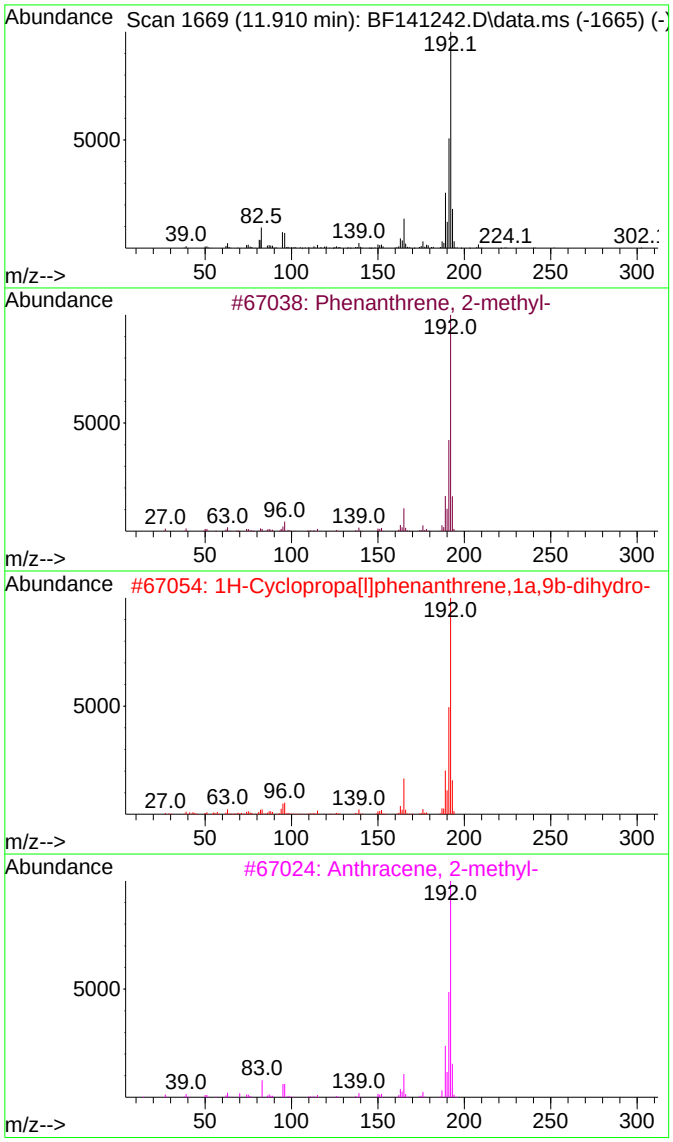
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

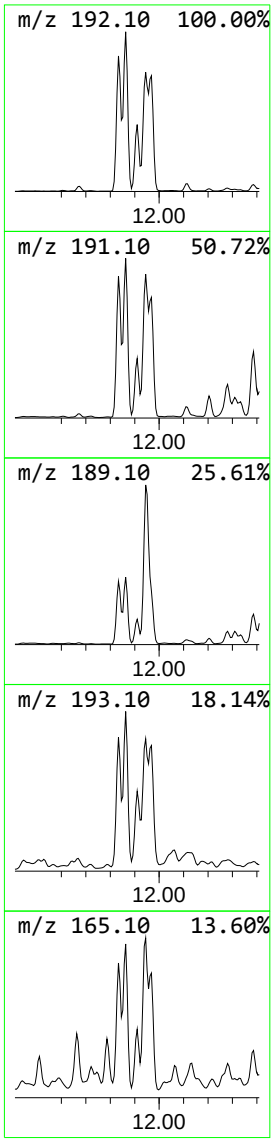
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	4.86 ng	219380	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-4-012125

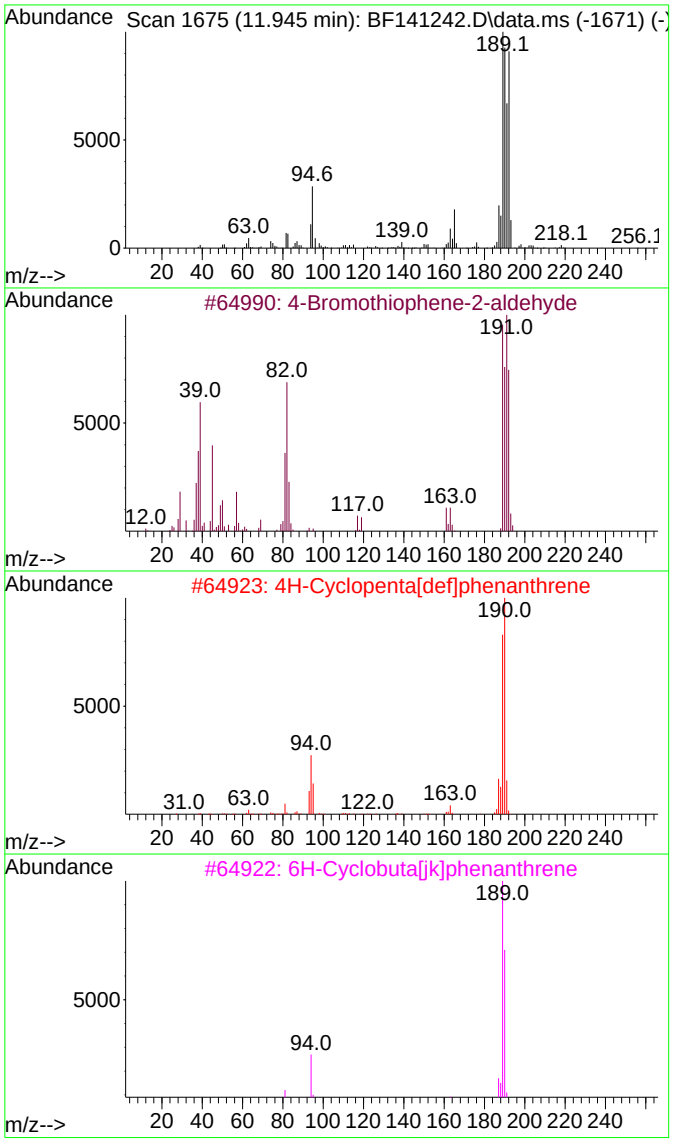
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

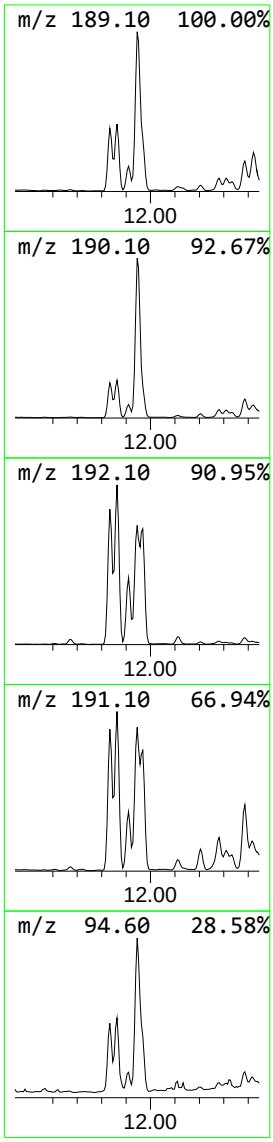
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4-Bromothiophene-2-aldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	27.80 ng	1255090	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
4	1H-1,2,4-Triazol-5-amine, 3-brom...	190	C4H7BrN4	1000460-85-7	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

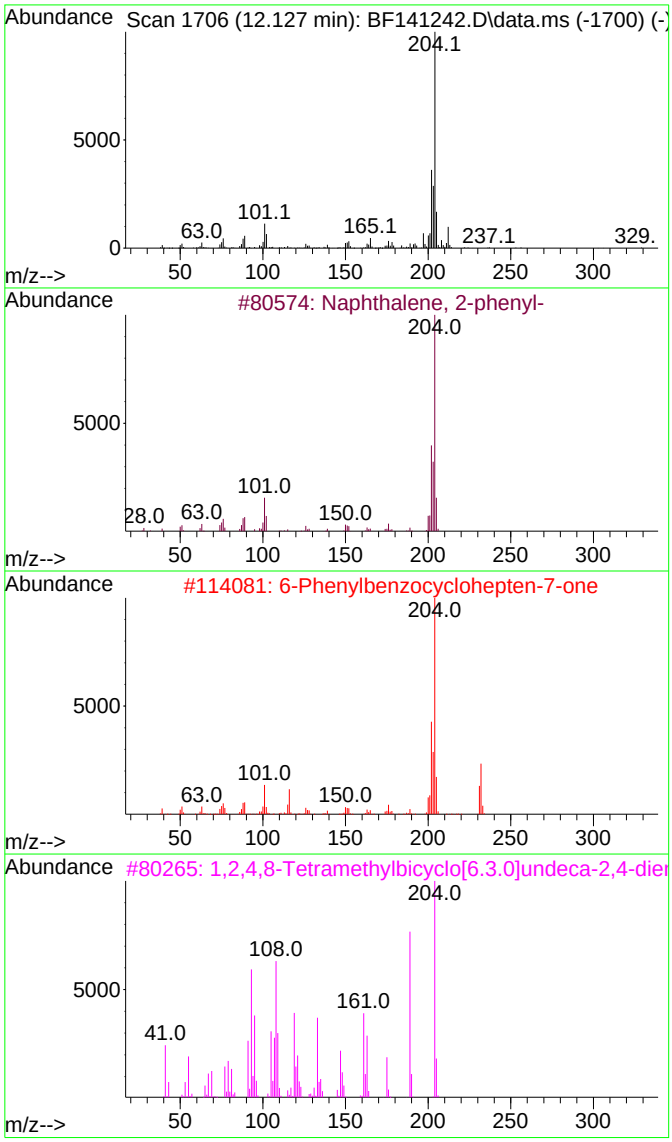
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

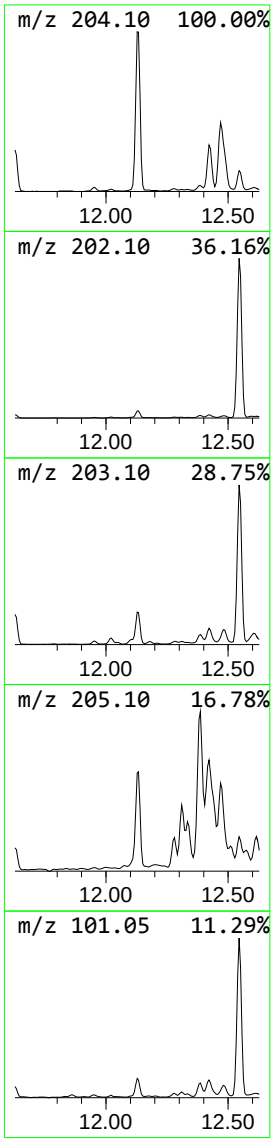
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	7.58 ng	341953	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76





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Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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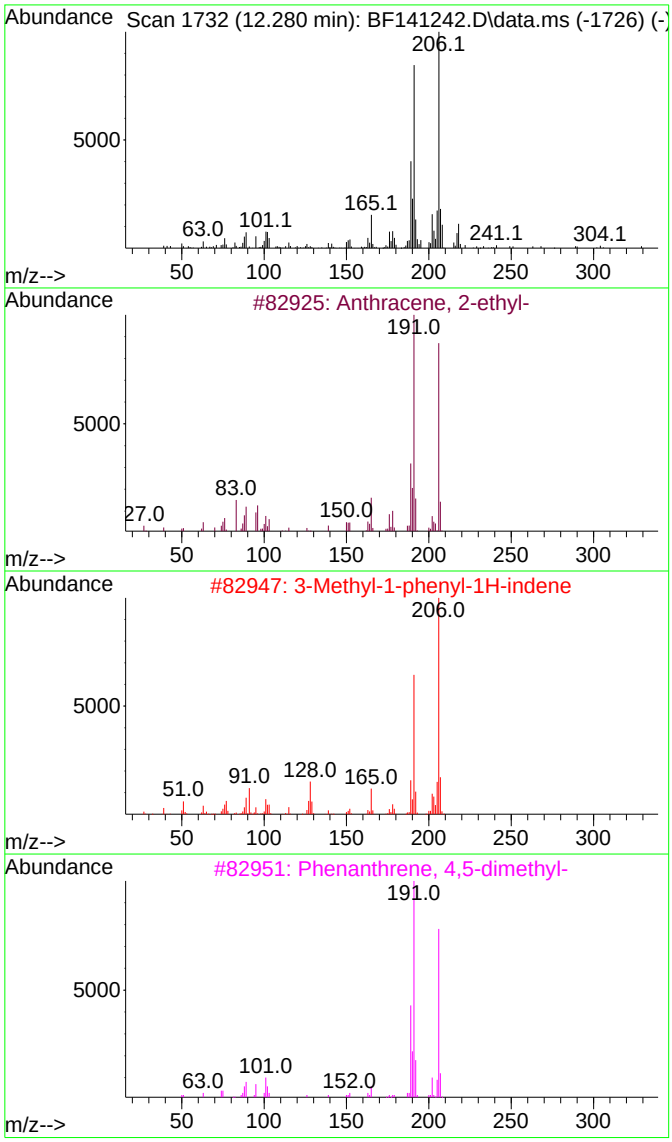
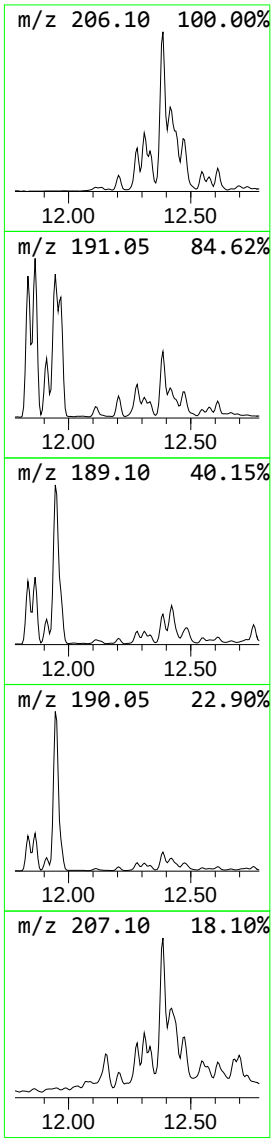
Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.280	3.53 ng	159162	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-4-012125

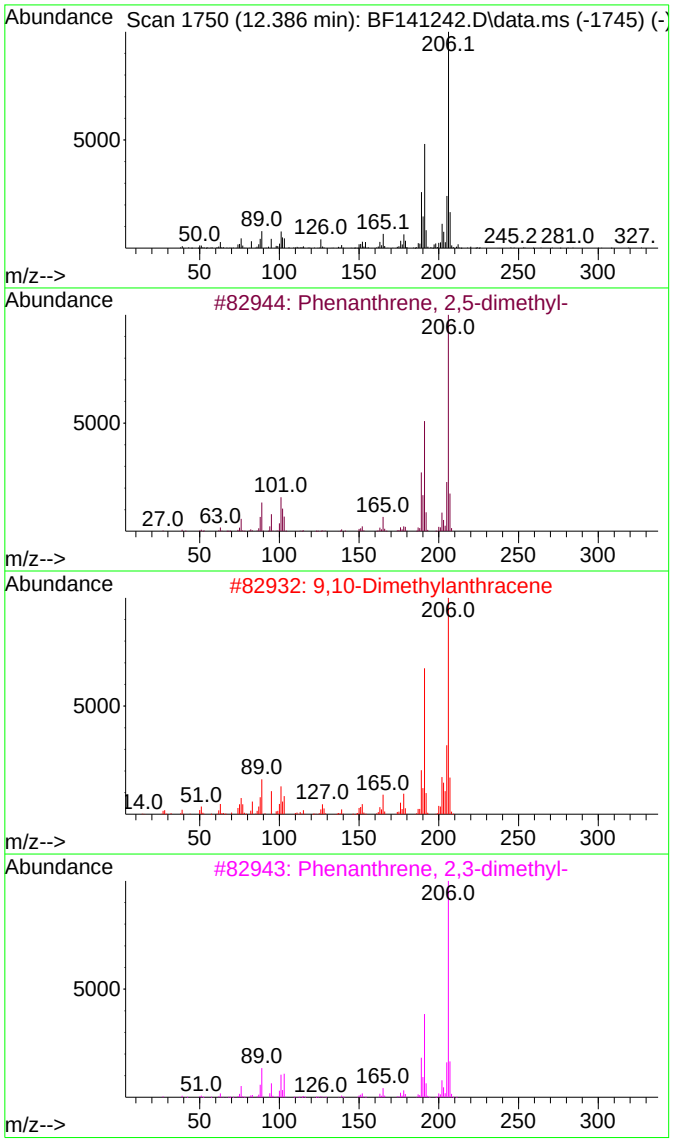
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

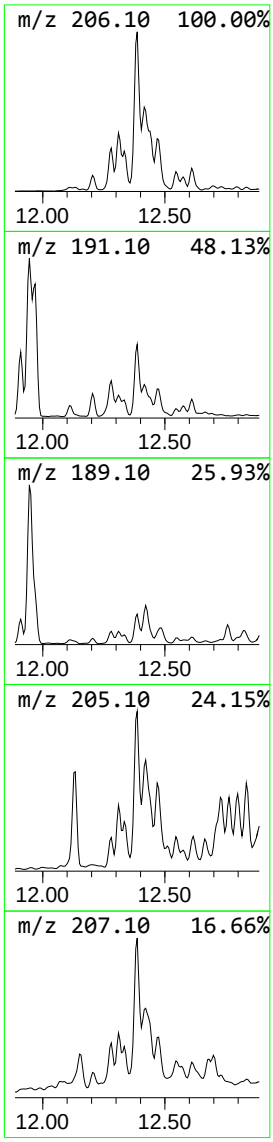
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	9.24 ng	417107	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-4-012125

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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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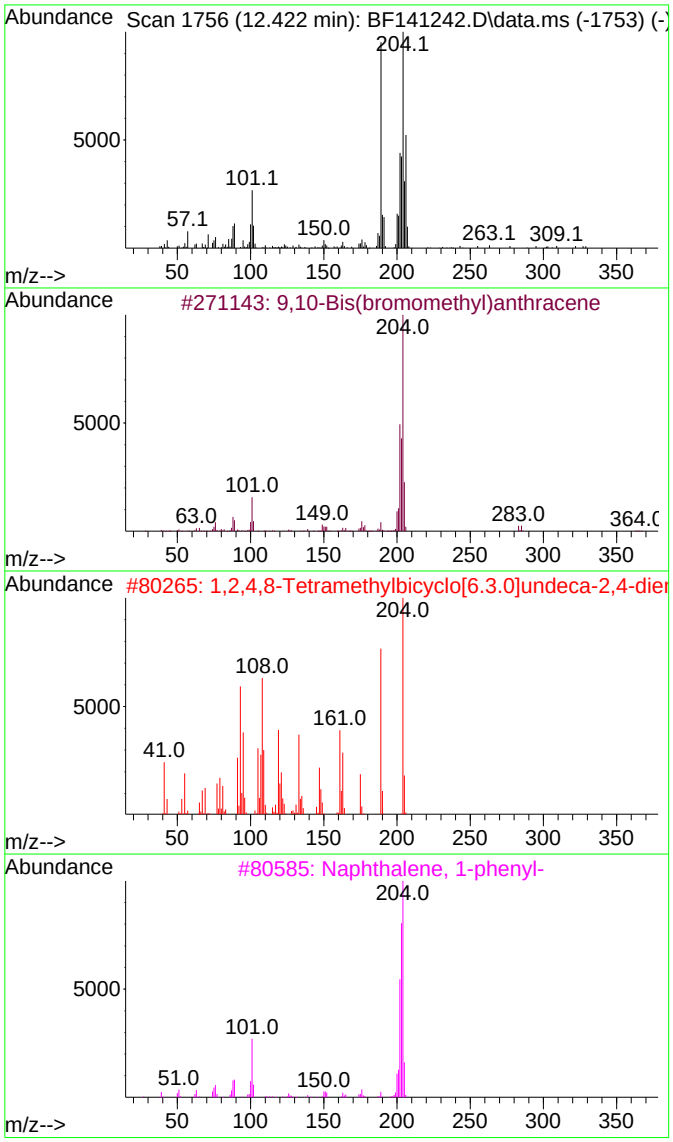
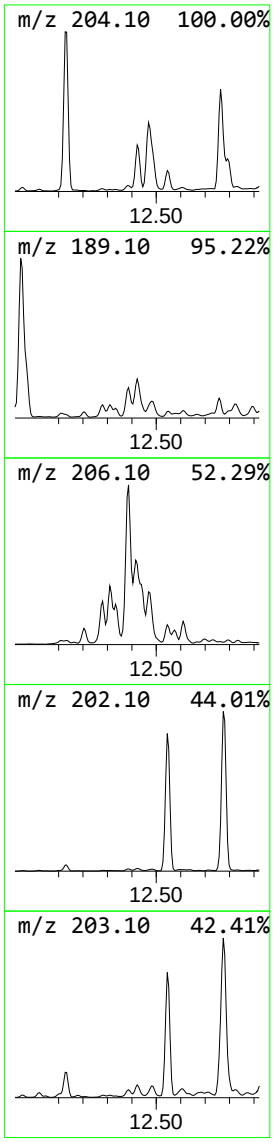
Peak Number 16 unknown12.422 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	7.47 ng	337099	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30





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Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

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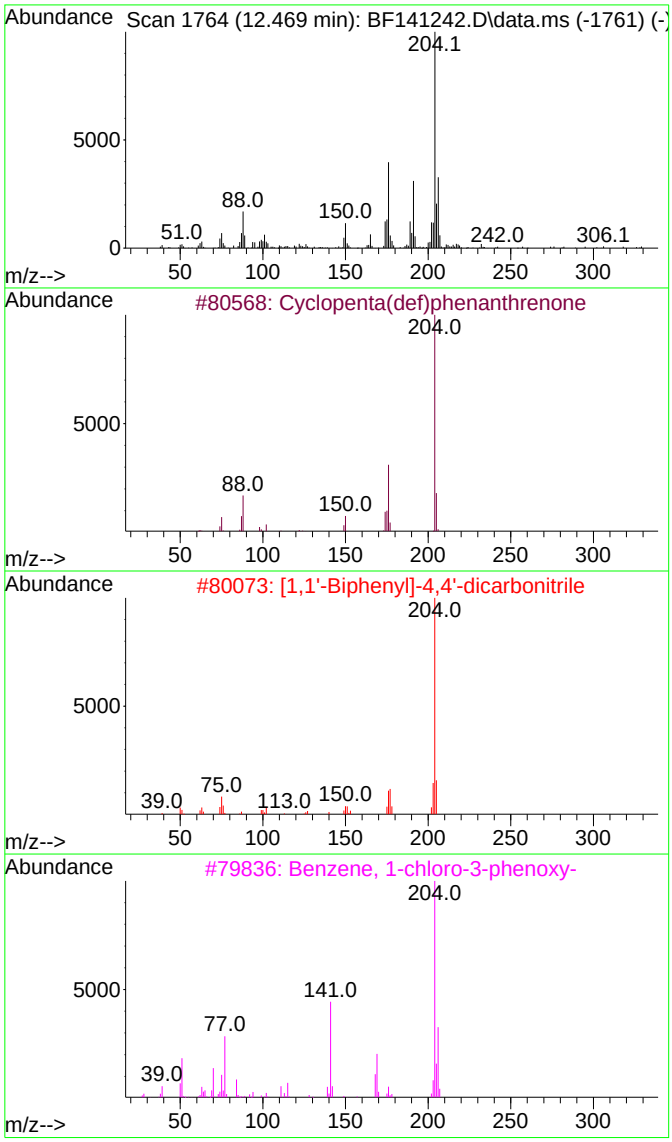
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

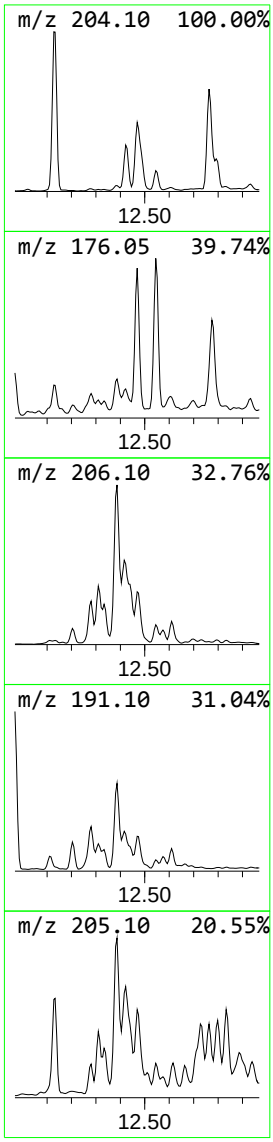
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	5.57 ng	251525	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	3-pyrazolidinone, 4,4-dimethyl-1...	204	C12H16N2O	1000400-48-1	43





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Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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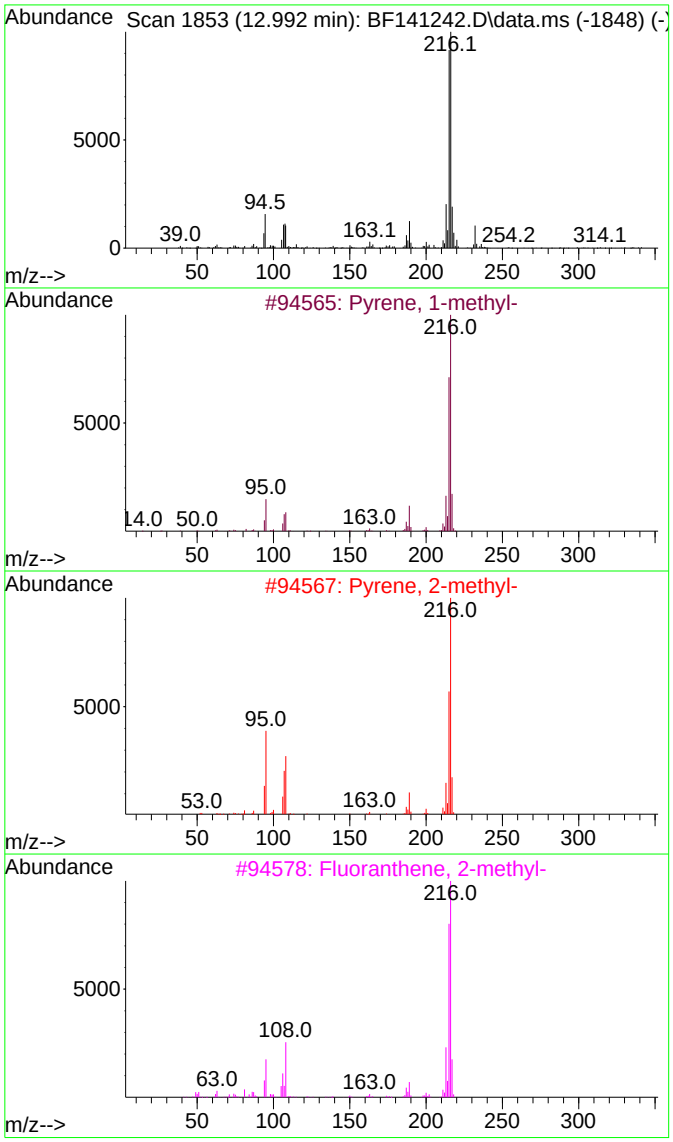
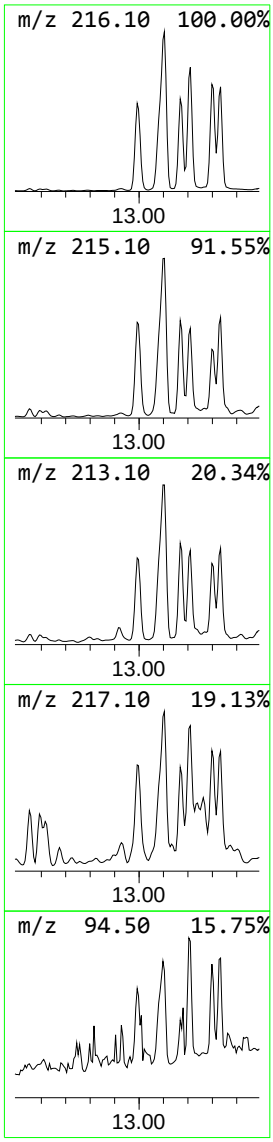
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.992	3.83 ng	410880	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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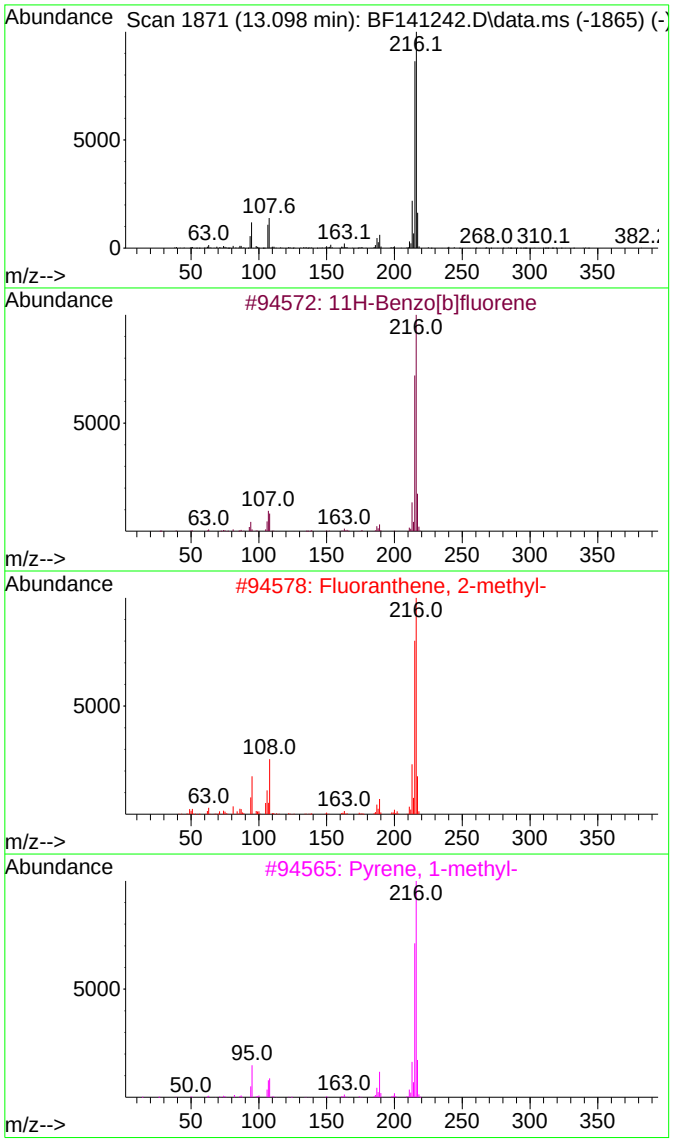
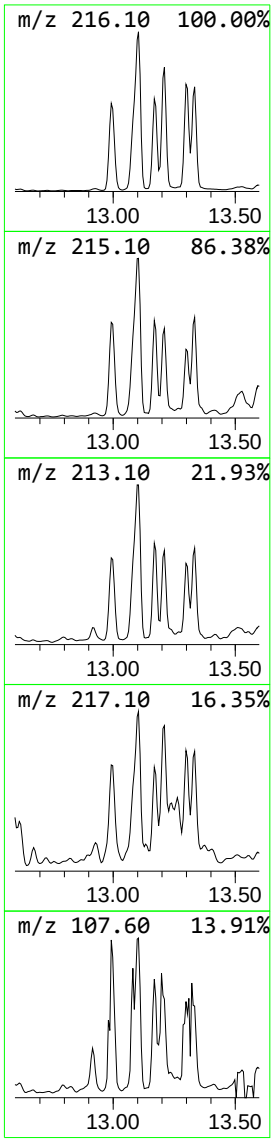
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	5.65 ng	606002	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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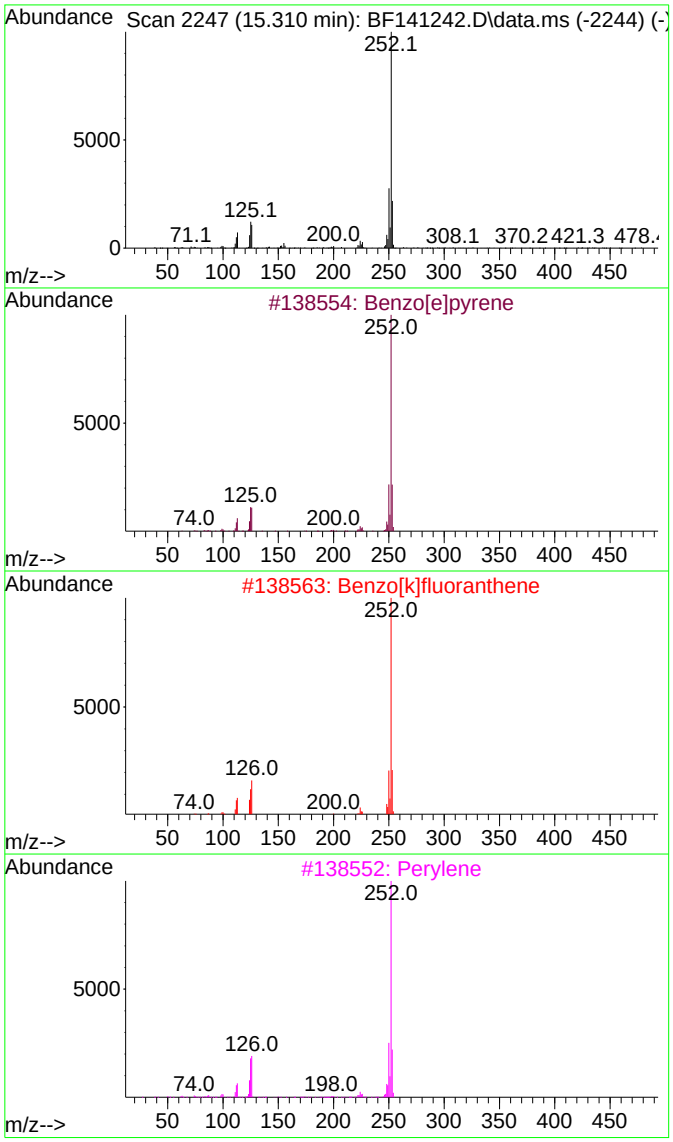
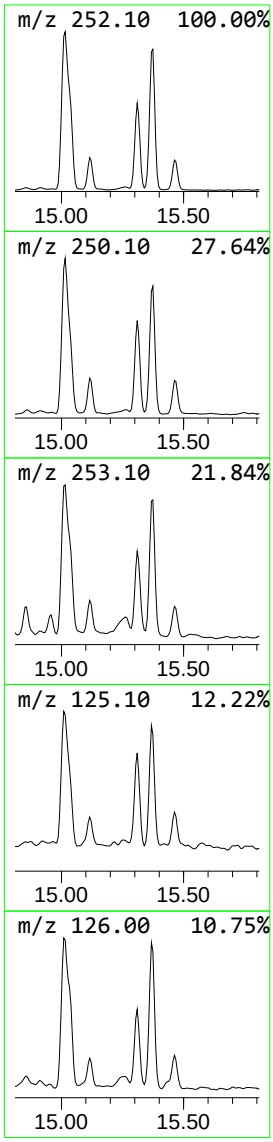
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	10.70 ng	313995	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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
Naphthalene, 1,...	9.428	4.9	ng	304876	3	9.845	1237930	20.0
Naphthalene, 2,...	9.504	6.7	ng	414142	3	9.845	1237930	20.0
Naphthalene, 1,...	9.622	3.8	ng	236116	3	9.845	1237930	20.0
Naphthalene, 1,...	10.251	3.2	ng	198033	3	9.845	1237930	20.0
1-Isopropenylna...	10.457	3.1	ng	195281	3	9.845	1237930	20.0
Benzophenone	10.551	3.4	ng	211160	3	9.845	1237930	20.0
9H-Fluorene, 2-...	10.939	5.0	ng	223569	4	11.333	902825	20.0
Dibenzothiophene	11.227	4.2	ng	190839	4	11.333	902825	20.0
Phenanthrene, 1...	11.833	11.8	ng	530190	4	11.333	902825	20.0
Phenanthrene, 2...	11.863	14.7	ng	661351	4	11.333	902825	20.0
1H-Cyclopropa[l...	11.910	4.9	ng	219380	4	11.333	902825	20.0
4-Bromothiophen...	11.945	27.8	ng	1255090	4	11.333	902825	20.0
Naphthalene, 2-...	12.127	7.6	ng	341953	4	11.333	902825	20.0
Anthracene, 2-e...	12.280	3.5	ng	159162	4	11.333	902825	20.0
Phenanthrene, 2...	12.386	9.2	ng	417107	4	11.333	902825	20.0
unknown12.422	12.422	7.5	ng	337099	4	11.333	902825	20.0
Cyclopenta(def)...	12.469	5.6	ng	251525	4	11.333	902825	20.0
Pyrene, 1-methyl-	12.992	3.8	ng	410880	5	13.974	2146460	20.0
11H-Benzo[b]flu...	13.098	5.7	ng	606002	5	13.974	2146460	20.0
Benzo[e]pyrene	15.310	10.7	ng	313995	6	15.433	587005	20.0