LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141740.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.352	379	384	401	rBV	35740	64855	3.84%	0.272%
2	4.987	487	492	506	rVB	60018	103304	6.12%	0.434%
3	5.404	557	563	588	rBV	1038754	1521150	90.11%	6.383%
4	6.422	730	736	764	rBV	1055130	1567563	92.86%	6.578%
5	6.781	792	797	805	rBV	367904	481442	28.52%	2.020%
6	7.340	887	892	906	rBV	704756	1005520	59.57%	4.220%
7	7.616	934	939	954	rVB2	13280	36317	2.15%	0.152%
8	8.063	1009	1015	1034	rBV	446899	716319	42.43%	3.006%
9	8.775	1132	1136	1144	rBV	40899	56604	3.35%	0.238%
10	8.875	1148	1153	1163	rVB	43839	61024	3.62%	0.256%
11	9.134	1192	1197	1207	rBV	1331967	1688072	100.00%	7.084%
12	9.398	1237	1242	1250	rBV	22637	36670	2.17%	0.154%
13	9.475	1250	1255	1257	rBV	44188	63267	3.75%	0.265%
14	9.498	1257	1259	1264	rVB	24412	28888	1.71%	0.121%
15	9.592	1270	1275	1282	rBV	22334	36051	2.14%	0.151%
16	9.675	1282	1289	1294	rVB	13002	19307	1.14%	0.081%
17	9.810	1306	1312	1316	rBV	557389	743269	44.03%	3.119%
18	9.845	1316	1318	1324	rVV	132404	149152	8.84%	0.626%
19	9.916	1327	1330	1335	rVV	11882	20548	1.22%	0.086%
20	9.969	1335	1339	1342	rVV3	15097	21315	1.26%	0.089%
21	10.016	1342	1347	1351	rVV2	65915	97909	5.80%	0.411%
22	10.057	1351	1354	1359	rVV	18099	25189	1.49%	0.106%
23	10.128	1362	1366	1369	rVV2	15153	21598	1.28%	0.091%
24	10.222	1377	1382	1389	rVB4	15657	35700	2.11%	0.150%
25	10.357	1400	1405	1411	rBV	102153	145222	8.60%	0.609%
26	10.422	1411	1416	1418	rVV	26513	50146	2.97%	0.210%
27	10.445	1418	1420	1423	rVV	29298	37882	2.24%	0.159%
28	10.522	1426	1433	1441	rVV2	188835	282881	16.76%	1.187%
29	10.604	1441	1447	1459	rVV	651616	956196	56.64%	4.013%
30	10.716	1461	1466	1474	rVB6	16591	40872	2.42%	0.172%
31	10.904	1490	1498	1502	rBV4	39319	82963	4.91%	0.348%
32	11.033	1515	1520	1522	rBV2	24046	38968	2.31%	0.164%
33	11.057	1522	1524	1529	rVV	27130	37943	2.25%	0.159%
34	11.104	1529	1532	1536	rVV	51914	68779	4.07%	0.289%
35	11.157	1536	1541	1544	rVV2	64255	105011	6.22%	0.441%
36	11.192	1544	1547	1553	rVB	60565	82810	4.91%	0.348%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
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Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.298	1560	1565	1566	rBV	545569	632151	37.45%	2.653%
38	11.322	1566	1569	1574	rVV	1075737	1390687	82.38%	5.836%
39	11.375	1574	1578	1582	rVV	208015	296530	17.57%	1.244%
40	11.410	1582	1584	1590	rVB2	24895	33758	2.00%	0.142%
41	11.533	1599	1605	1612	rBV2	113111	189221	11.21%	0.794%
42	11.592	1612	1615	1618	rVV	18360	28563	1.69%	0.120%
43	11.633	1618	1622	1627	rVV4	25781	49990	2.96%	0.210%
44	11.710	1627	1635	1639	rVB4	16790	37117	2.20%	0.156%
45	11.798	1645	1650	1652	rBV	138934	178812	10.59%	0.750%
46	11.827	1652	1655	1659	rVV	234098	318408	18.86%	1.336%
47	11.875	1659	1663	1665	rVV2	71614	109710	6.50%	0.460%
48	11.910	1665	1669	1678	rVB2	190408	385994	22.87%	1.620%
49	11.986	1678	1682	1684	rBV3	18459	27175	1.61%	0.114%
50	12.092	1693	1700	1703	rBV	70761	101844	6.03%	0.427%
51	12.127	1703	1706	1710	rVB	48735	61341	3.63%	0.257%
52	12.245	1720	1726	1728	rBV	35003	52605	3.12%	0.221%
53	12.275	1728	1731	1733	rVV	23488	26583	1.57%	0.112%
54	12.298	1733	1735	1739	rVB	21604	22367	1.33%	0.094%
55	12.345	1739	1743	1746	rBV	71148	98928	5.86%	0.415%
56	12.386	1746	1750	1755	rVV4	44263	86811	5.14%	0.364%
57	12.439	1755	1759	1766	rVB3	52643	78534	4.65%	0.330%
58	12.510	1766	1771	1776	rBV	891724	1130707	66.98%	4.745%
59	12.574	1776	1782	1785	rVB2	23204	42253	2.50%	0.177%
60	12.616	1785	1789	1791	rBV4	18634	28681	1.70%	0.120%
61	12.657	1792	1796	1800	rVV2	37380	62055	3.68%	0.260%
62	12.739	1803	1810	1815	rVV	705582	1069846	63.38%	4.490%
63	12.792	1815	1819	1824	rVB2	50318	77137	4.57%	0.324%
64	12.880	1825	1834	1842	rBV	1078718	1484315	87.93%	6.229%
65	12.957	1842	1847	1852	rBV3	68091	126597	7.50%	0.531%
66	13.063	1858	1865	1870	rVB2	113194	227795	13.49%	0.956%
67	13.133	1873	1877	1880	rVV	45743	59477	3.52%	0.250%
68	13.169	1880	1883	1890	rVB3	80844	127150	7.53%	0.534%
69	13.263	1895	1899	1901	rVV	36416	42709	2.53%	0.179%
70	13.292	1901	1904	1913	rVB2	48897	84097	4.98%	0.353%
71	13.380	1913	1919	1923	rVB5	17113	33423	1.98%	0.140%
72	13.463	1927	1933	1935	rBV4	24604	51596	3.06%	0.217%
73	13.492	1935	1938	1945	rVB2	31125	48705	2.89%	0.204%
74	13.580	1949	1953	1957	rVB	63651	86488	5.12%	0.363%
75	13.686	1966	1971	1973	rBV	71797	102017	6.04%	0.428%
76	13.710	1973	1975	1978	rVV	58434	77662	4.60%	0.326%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.751	1978	1982	1985	rVV2	43245	86920	5.15%	0.365%
78	13.786	1985	1988	1995	rVB	78005	108536	6.43%	0.455%
79	13.933	2005	2013	2016	rBV2	622316	1096249	64.94%	4.600%
80	14.039	2028	2031	2035	rVB	27586	33319	1.97%	0.140%
81	14.098	2037	2041	2044	rBV4	19480	33974	2.01%	0.143%
82	14.169	2050	2053	2056	rVB	29345	35136	2.08%	0.147%
83	14.286	2070	2073	2075	rBV2	24436	30858	1.83%	0.129%
84	14.321	2075	2079	2082	rVV	71436	89352	5.29%	0.375%
85	14.357	2082	2085	2088	rVB	28355	33331	1.97%	0.140%
86	14.398	2089	2092	2093	rBV2	22176	23607	1.40%	0.099%
87	14.633	2129	2132	2136	rBV2	26375	43741	2.59%	0.184%
88	14.704	2141	2144	2148	rBV4	12743	20929	1.24%	0.088%
89	14.810	2158	2162	2169	rVB2	30682	54942	3.25%	0.231%
90	14.963	2182	2188	2197	rBV	299435	666883	39.51%	2.799%
91	15.068	2203	2206	2210	rVB	38176	45303	2.68%	0.190%
92	15.157	2217	2221	2227	rBV	21068	53132	3.15%	0.223%
93	15.257	2233	2238	2244	rVB	145112	224114	13.28%	0.940%
94	15.315	2244	2248	2253	rVB	215273	314407	18.63%	1.319%
95	15.380	2253	2259	2274	rBV2	329475	617435	36.58%	2.591%
96	16.810	2495	2502	2509	rVB2	95909	204342	12.11%	0.858%
97	16.980	2525	2531	2535	rBV2	29373	62771	3.72%	0.263%
98	17.033	2537	2540	2547	rVB2	17893	36683	2.17%	0.154%
99	17.239	2568	2575	2590	rVB	72292	173976	10.31%	0.730%
100	17.480	2611	2616	2625	rVB2	15588	39160	2.32%	0.164%

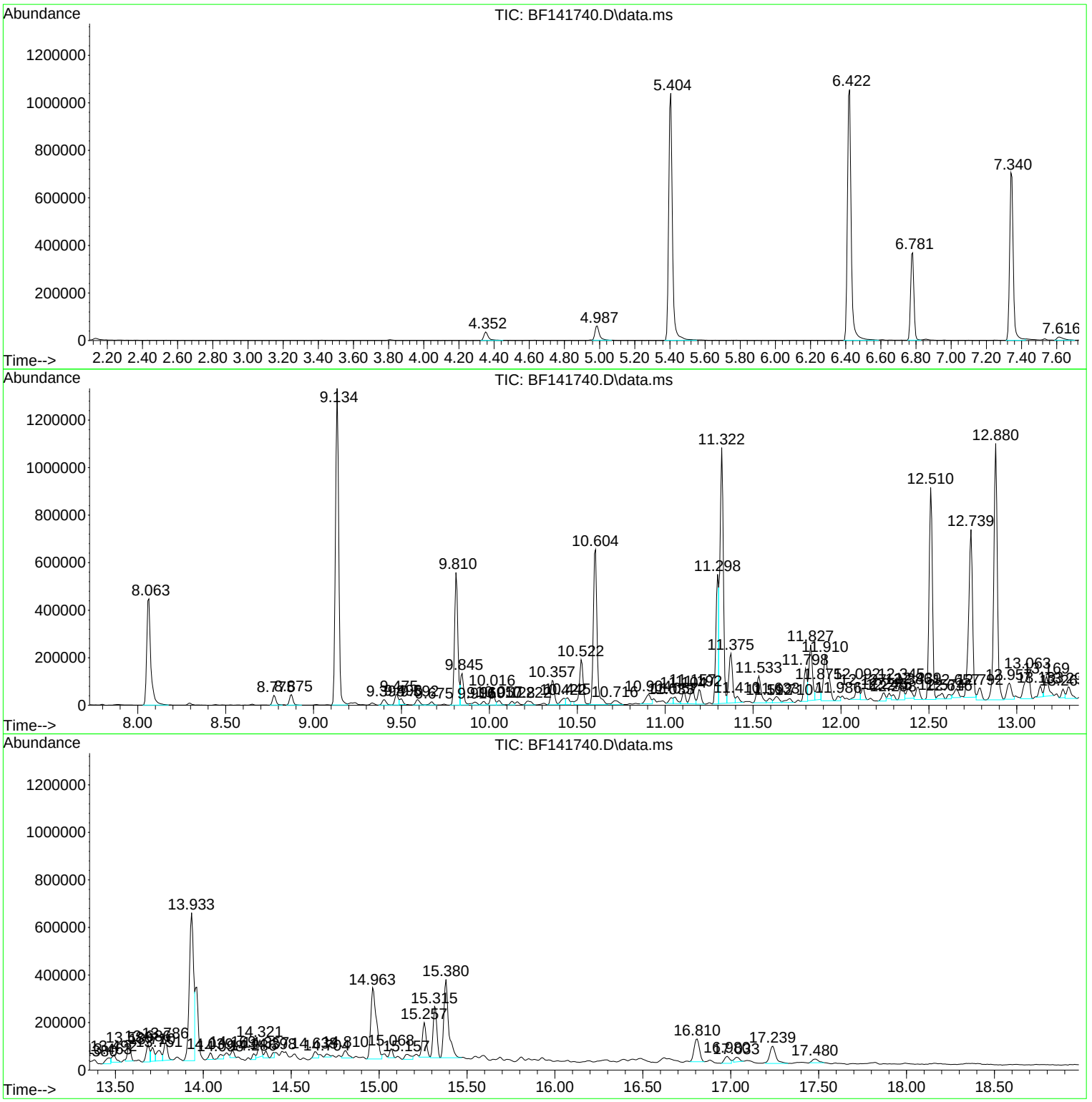
Sum of corrected areas: 23829645

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

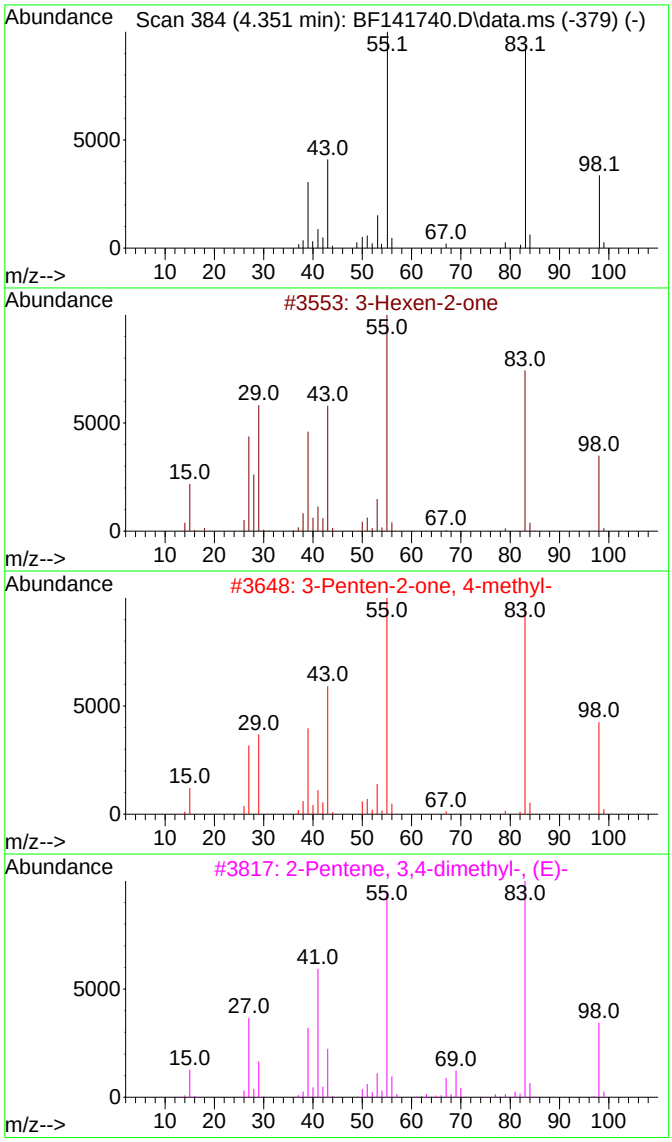
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

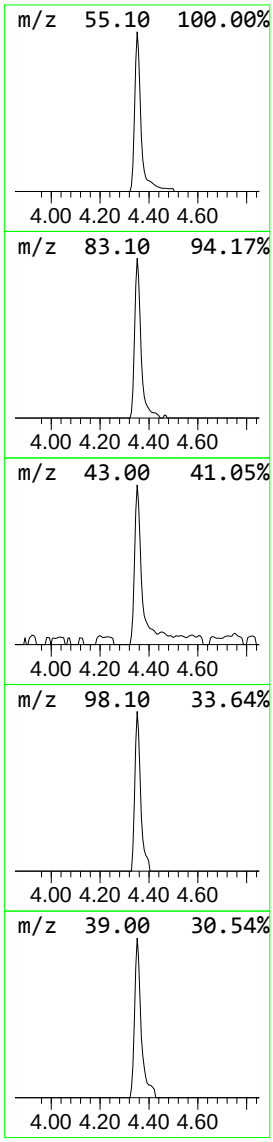
****

Peak Number 1 3-Hexen-2-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.351	2.69 ng	64855	1,4-Dichlorobenzene-d4	6.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

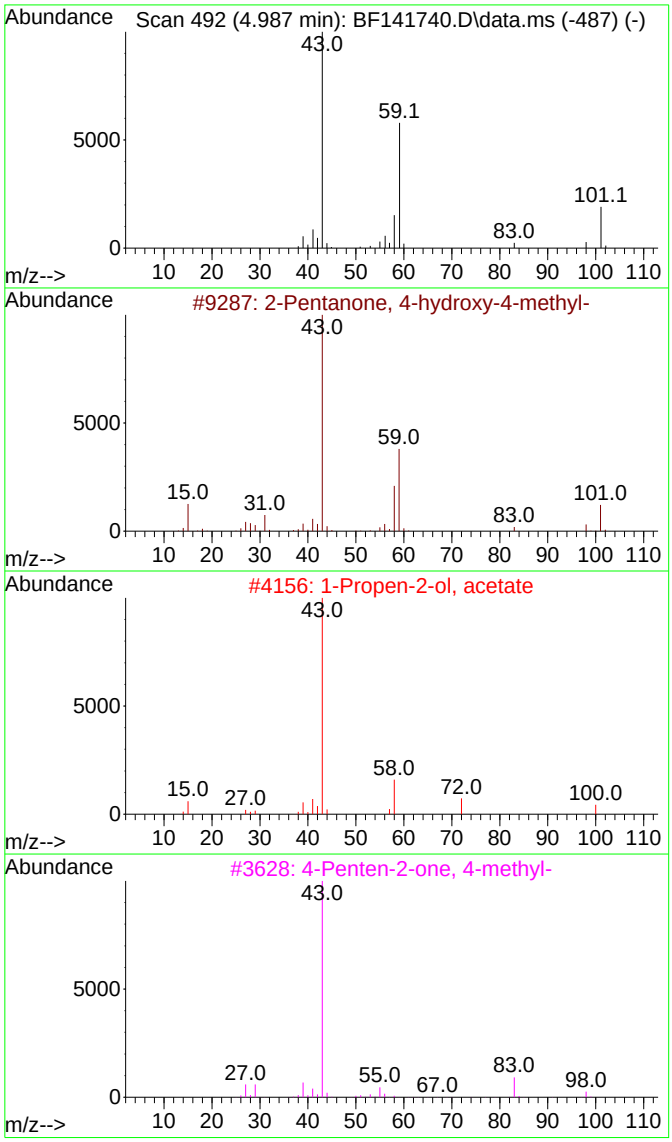
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

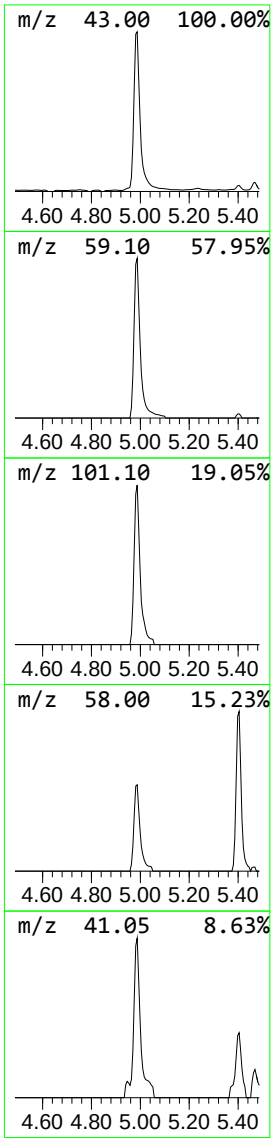
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.987	4.29 ng	103304	1,4-Dichlorobenzene-d4	6.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

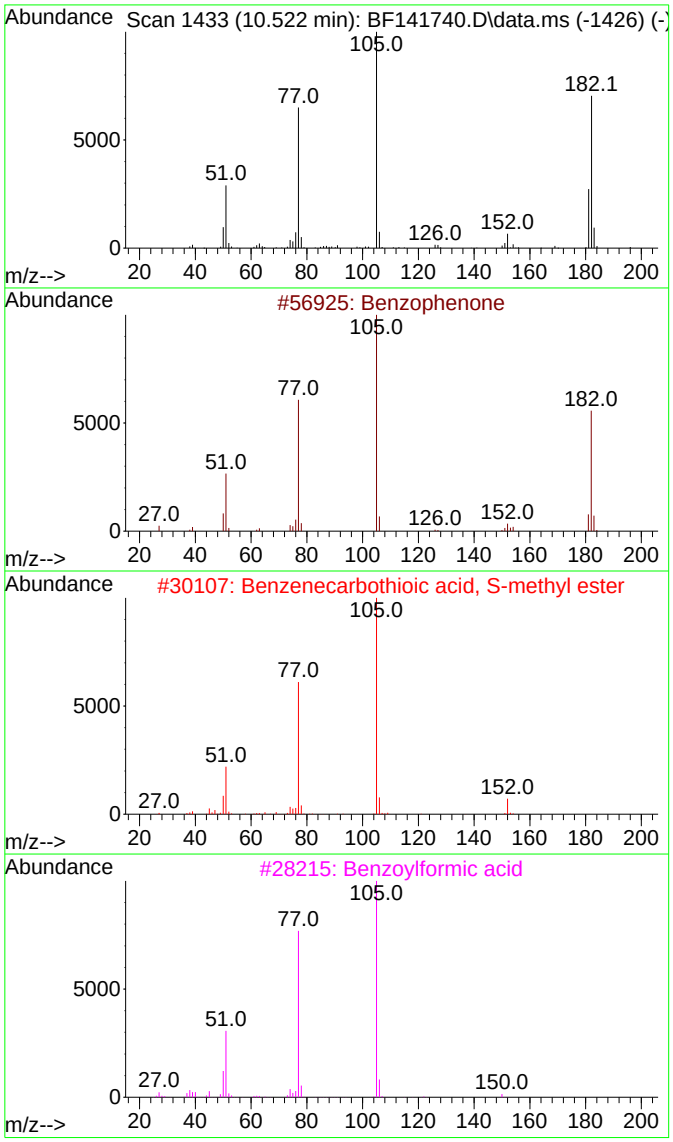
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

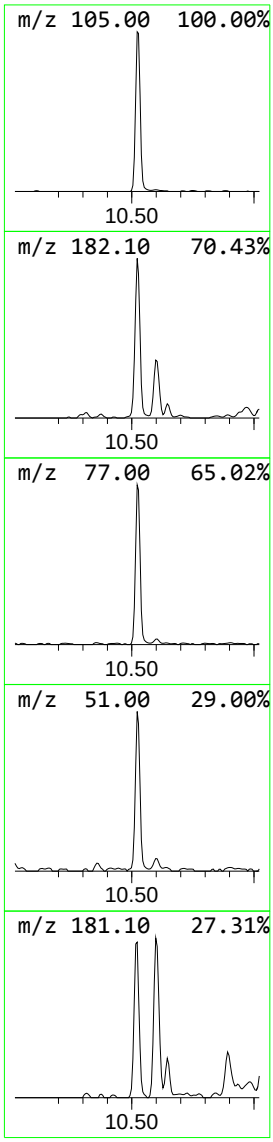
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.522	7.61 ng	282881	Acenaphthene-d10	9.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3	Benzoylformic acid	150	C8H6O3	000611-73-4	49
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	46
5	Ethanone, 2-(5-nitrotetrazol-2-y...	233	C9H7N5O3	1000310-77-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

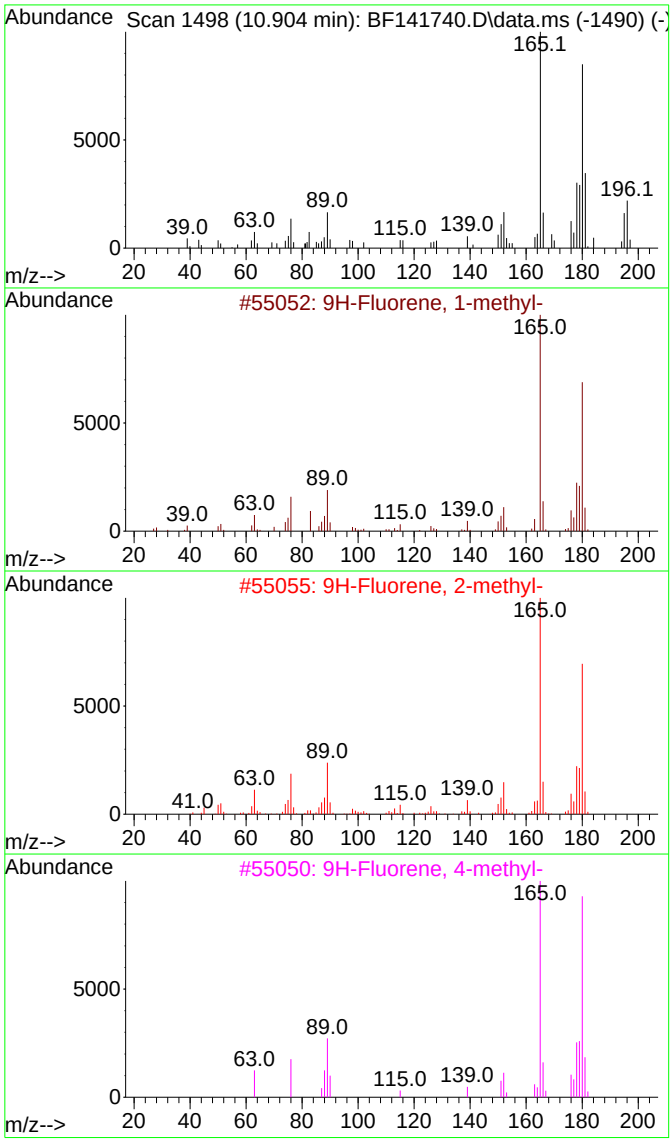
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

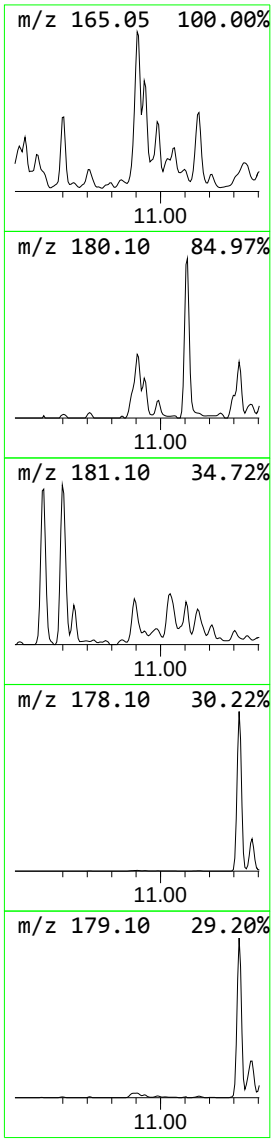
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.904	2.62 ng	82963	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	60
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

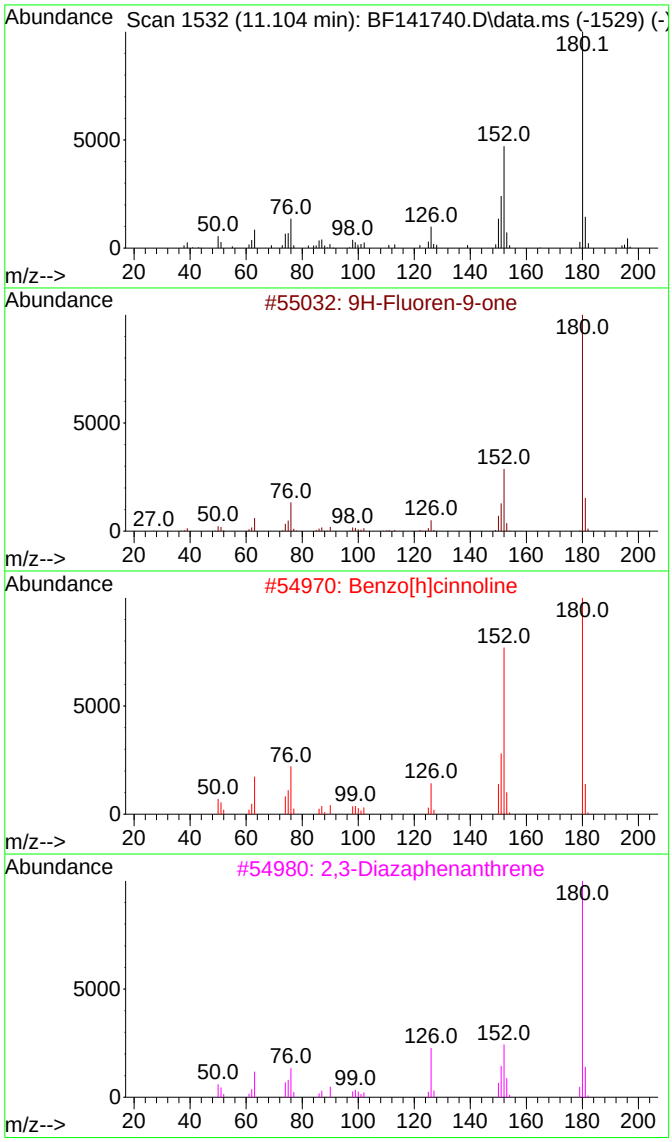
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

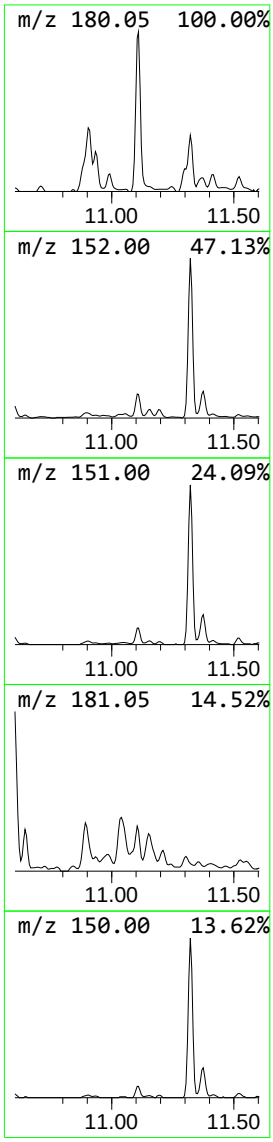
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.104	2.18 ng	68779	Phenanthrene-d10	11.298

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	91
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5	2,4-Diazaphenanthrene	180	C12H8N2	000230-28-4	43





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Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

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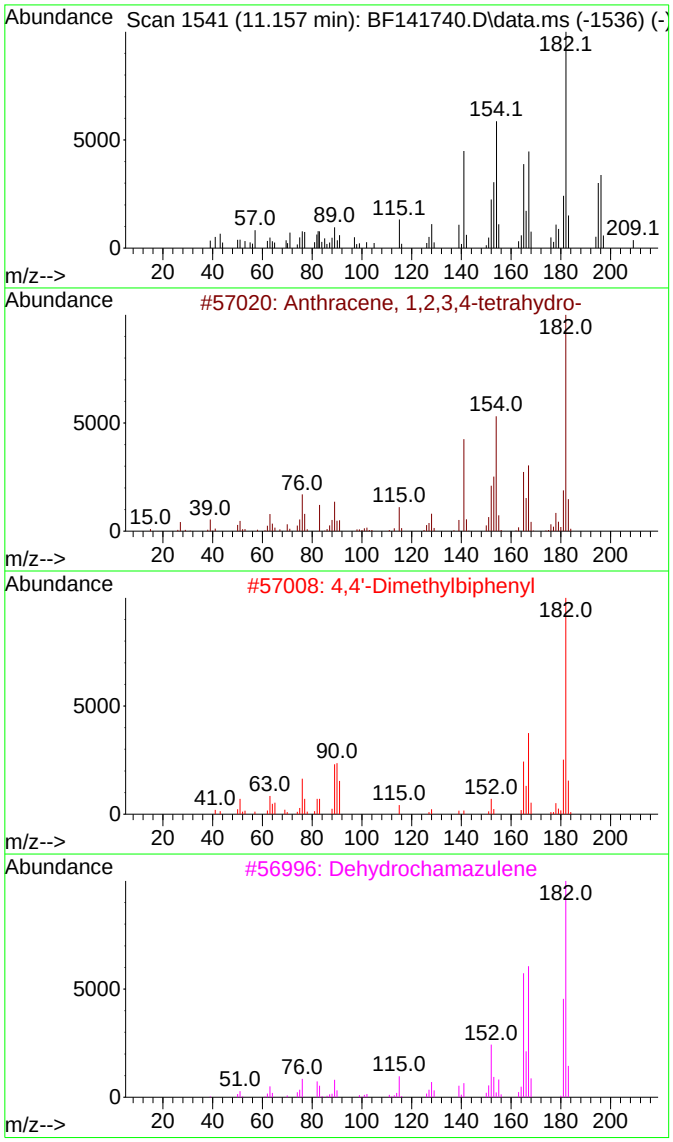
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

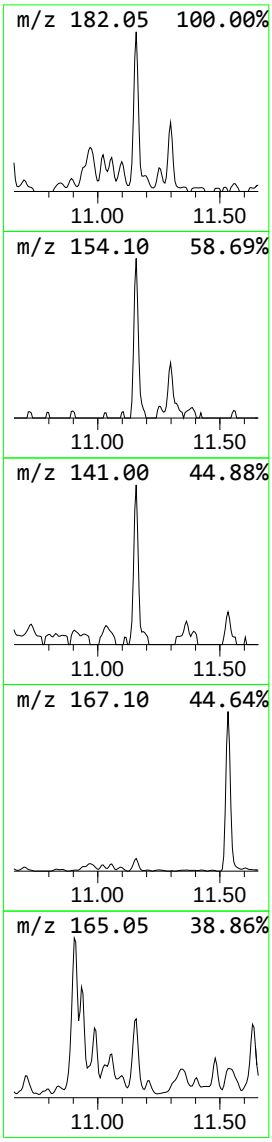
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	3.32 ng	105011	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55
3	Dehydrochamazulene	182	C14H14	321732-25-6	55
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	53





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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

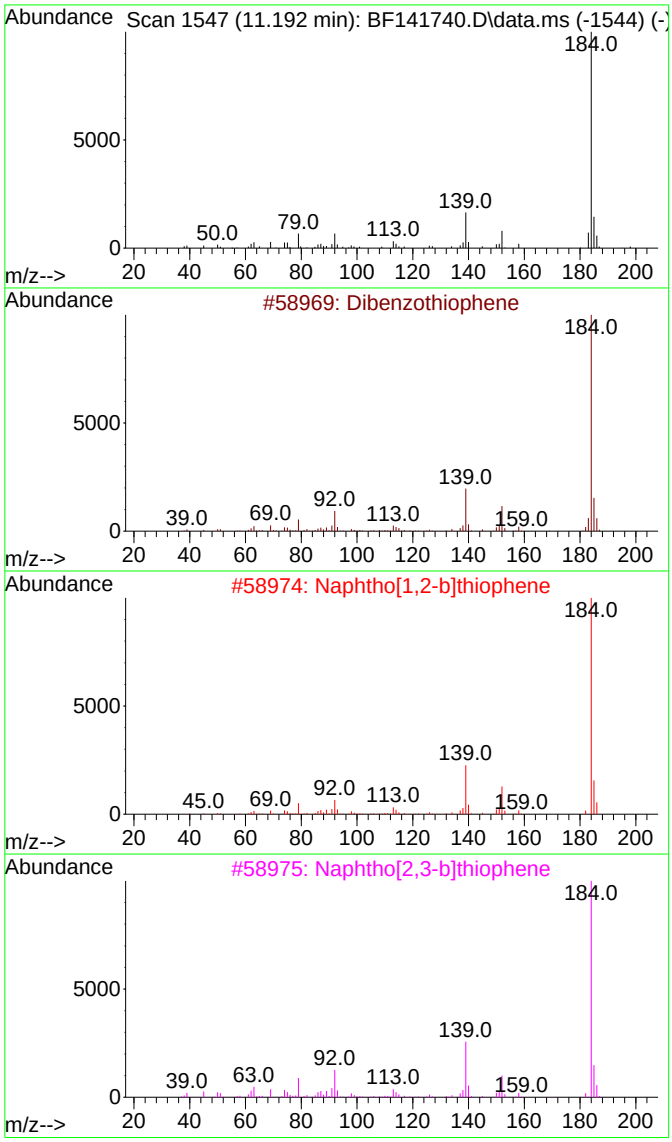
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

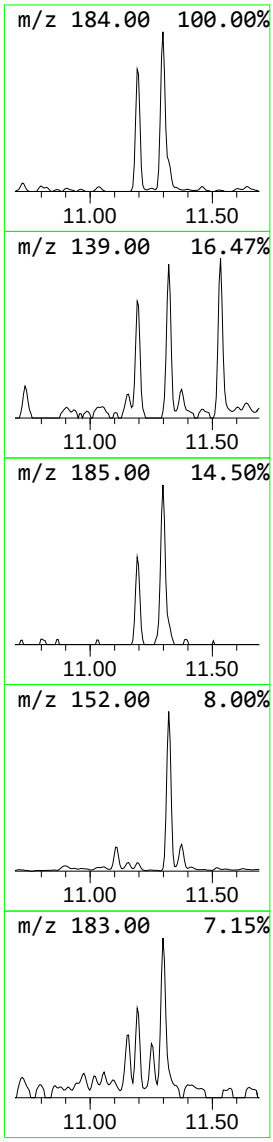
****

Peak Number 7 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.192	2.62 ng	82810	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91





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

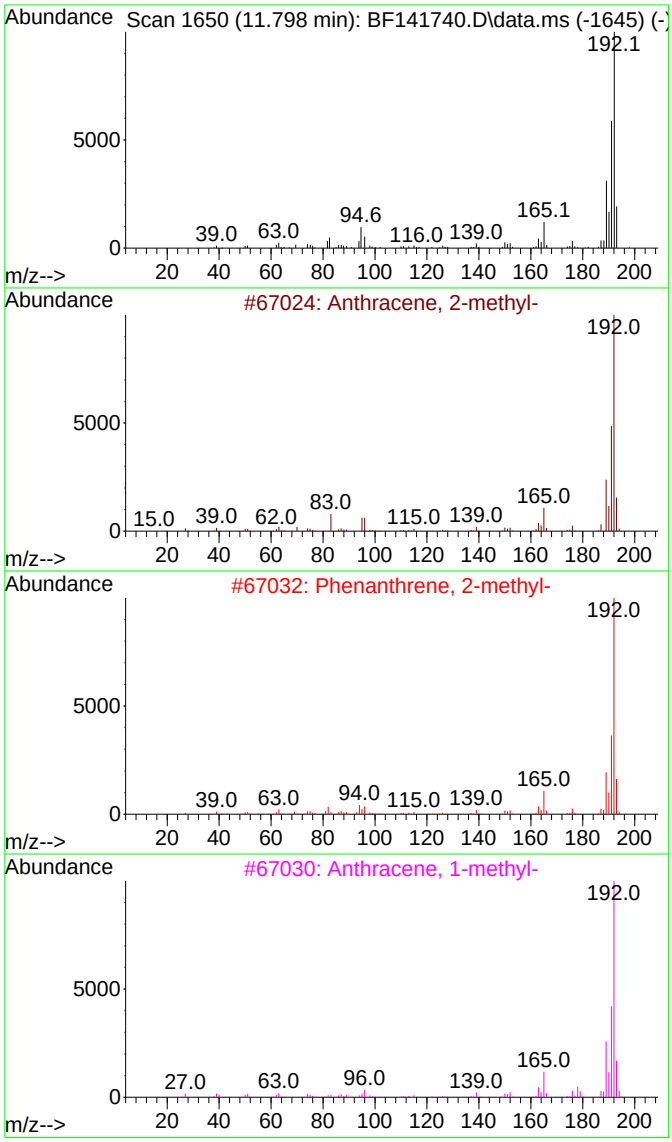
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

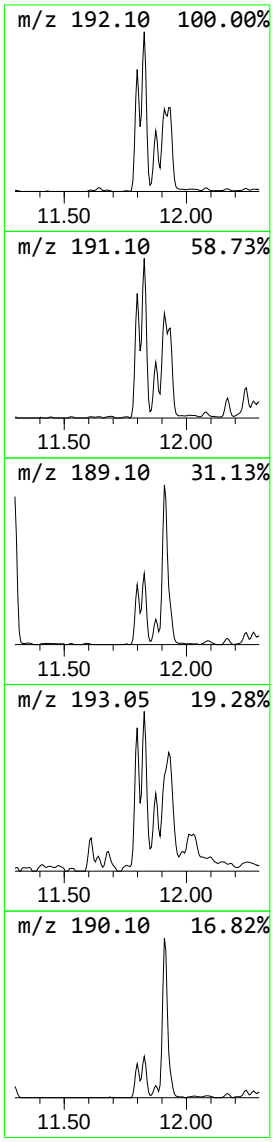
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.798	5.66 ng	178812	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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

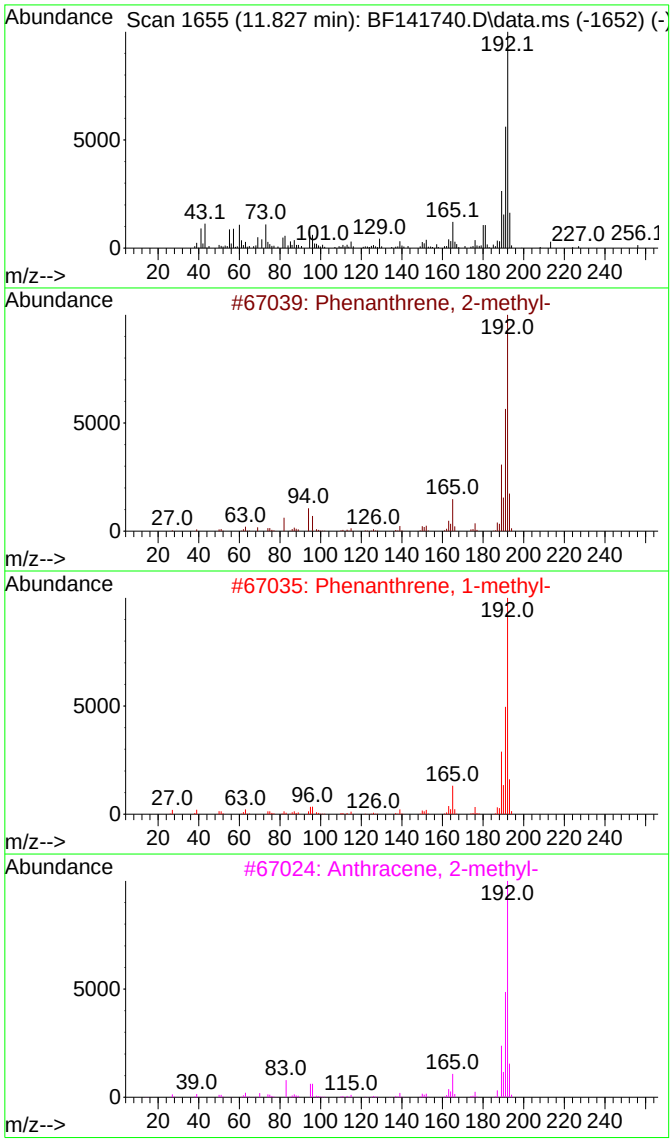
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

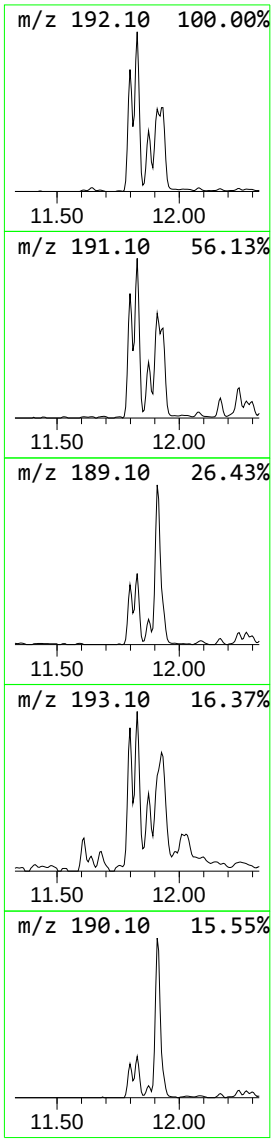
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	10.07 ng	318408	Phenanthrene-d10	11.298

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, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Misc :
ALS Vial : 8 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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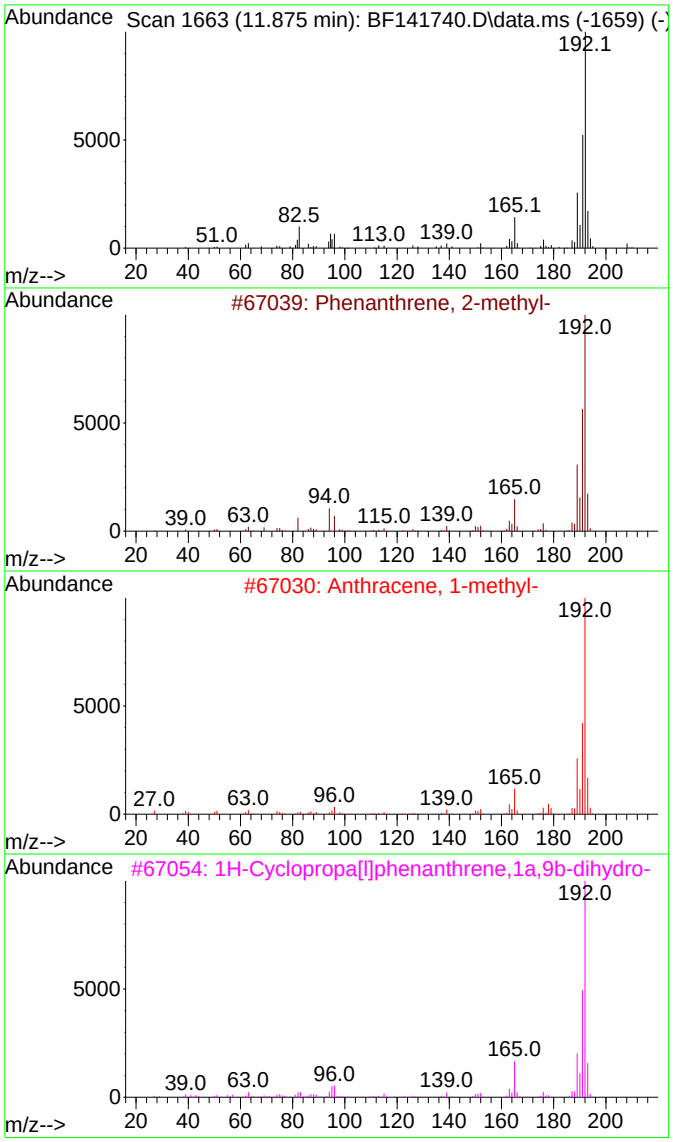
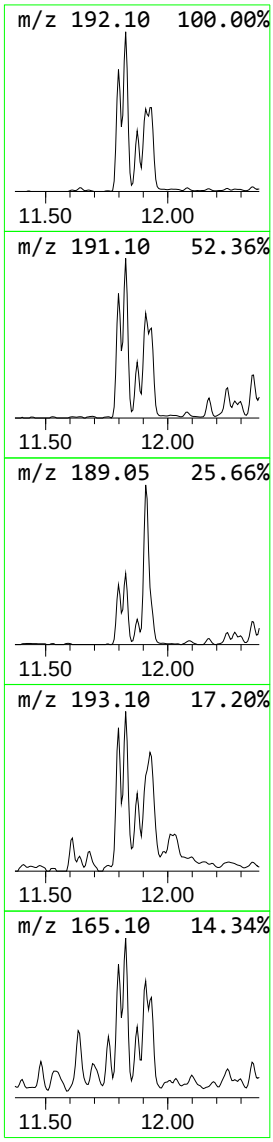
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	3.47 ng	109710	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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ALS Vial : 8 Sample Multiplier: 1

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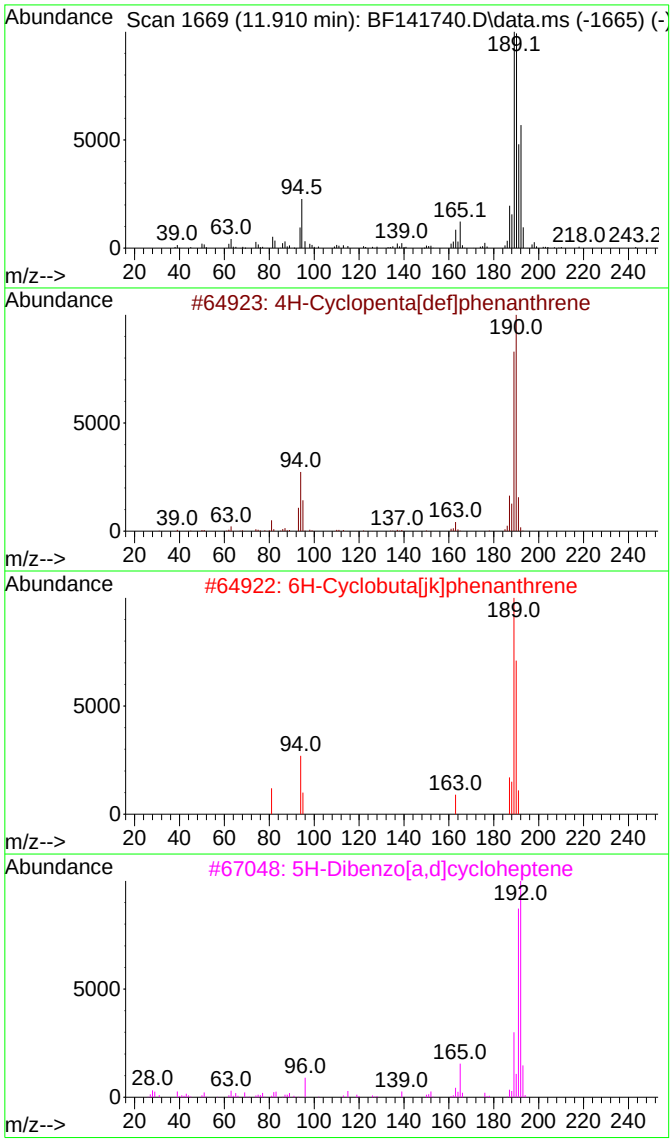
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

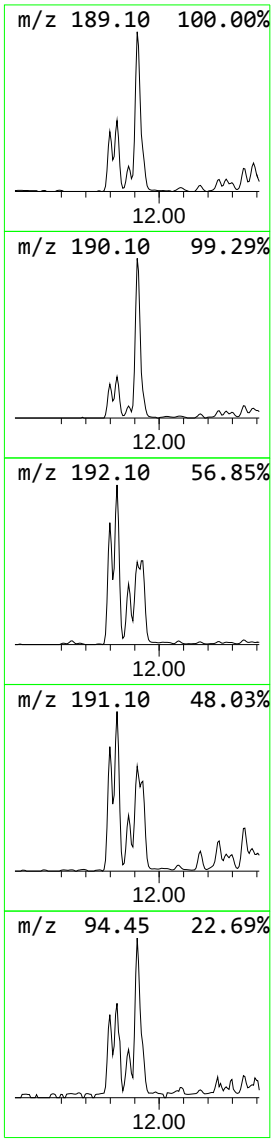
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	12.21 ng	385994	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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

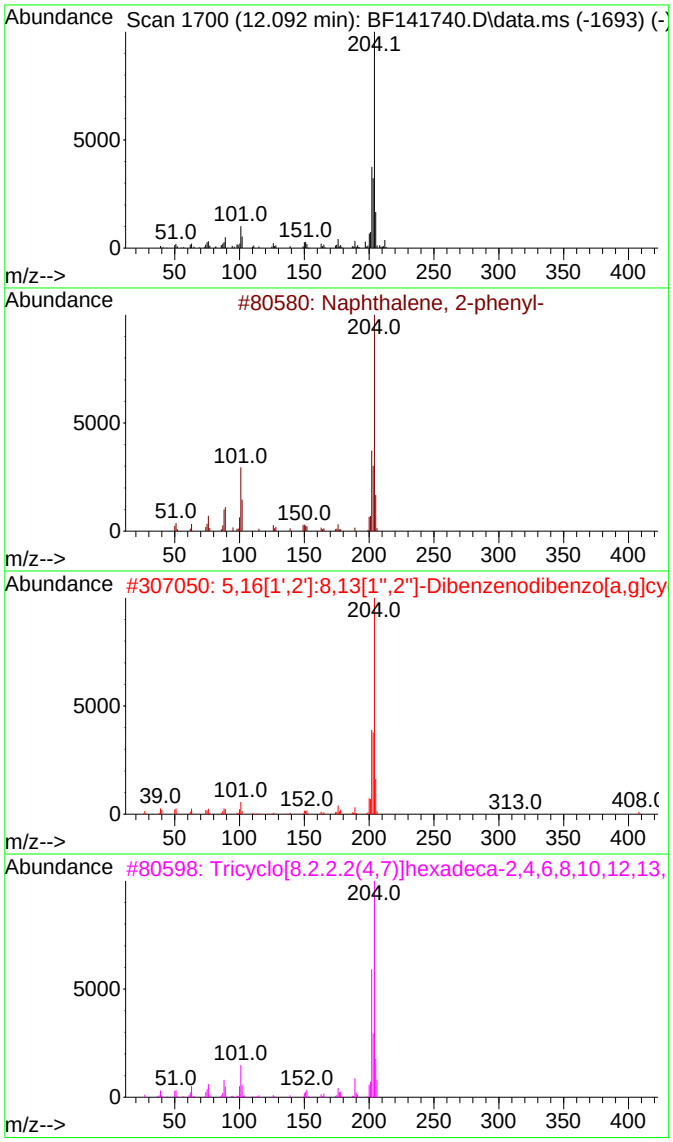
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

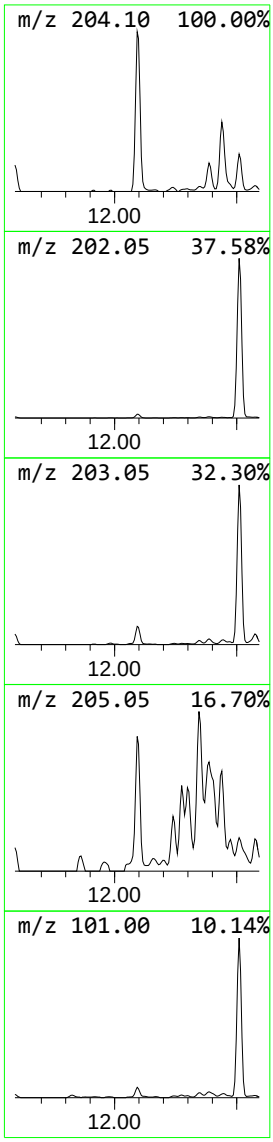
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	3.22 ng	101844	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





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ALS Vial : 8 Sample Multiplier: 1

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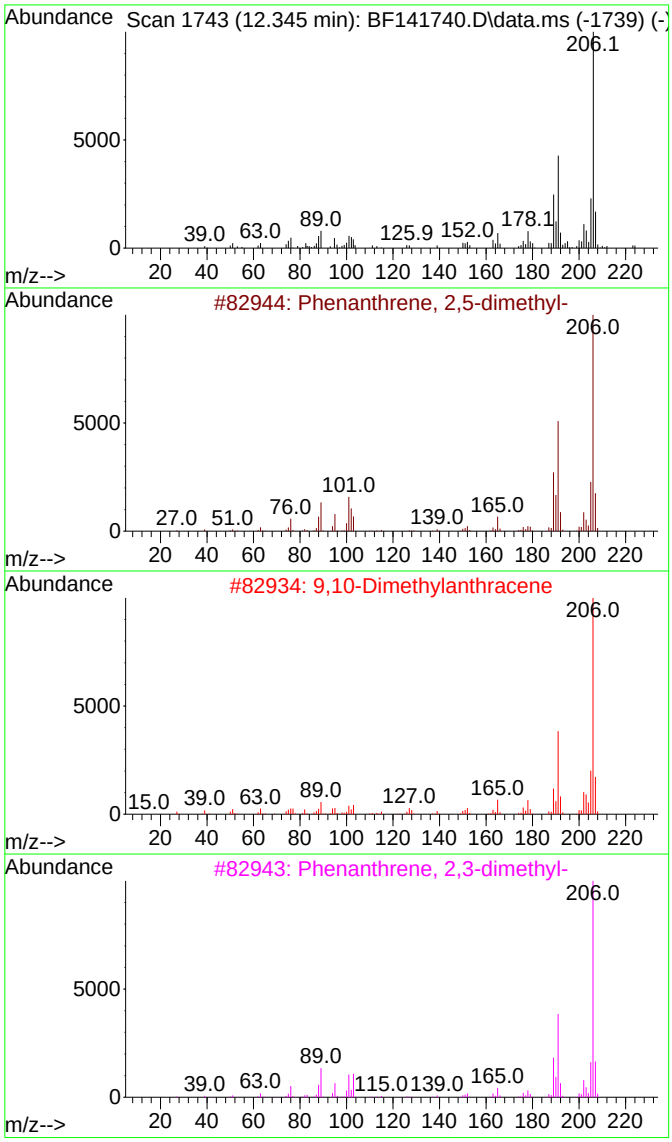
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

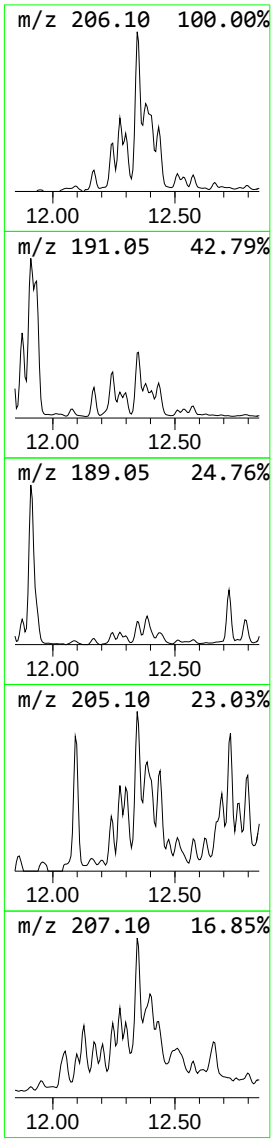
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	3.13 ng	98928	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	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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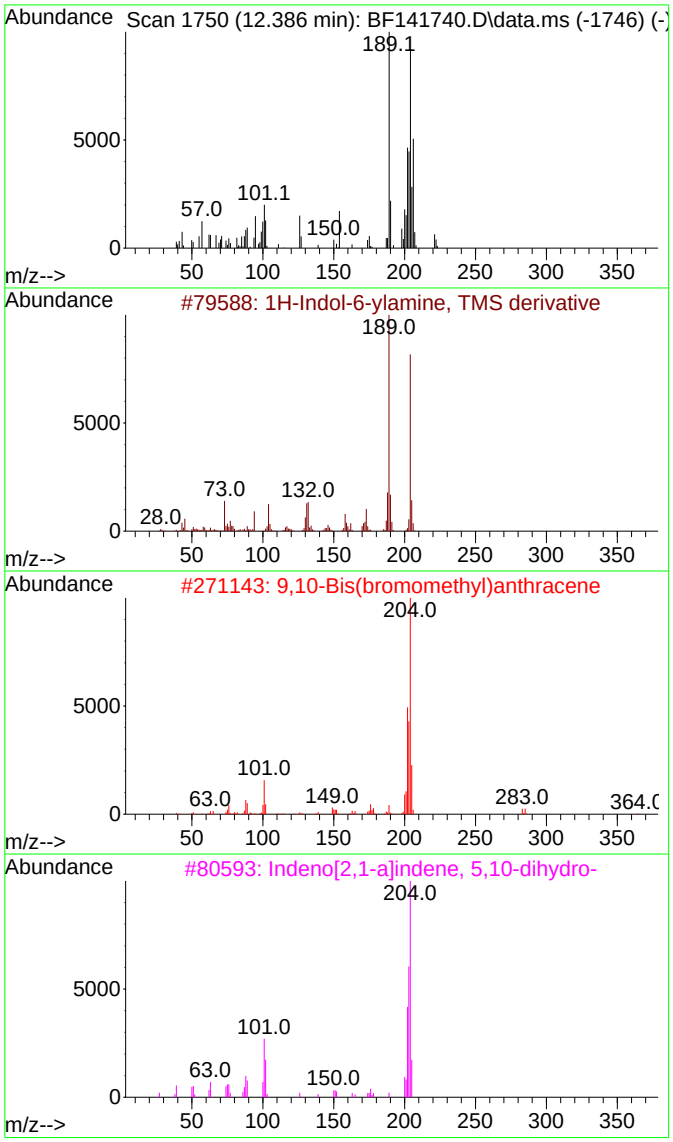
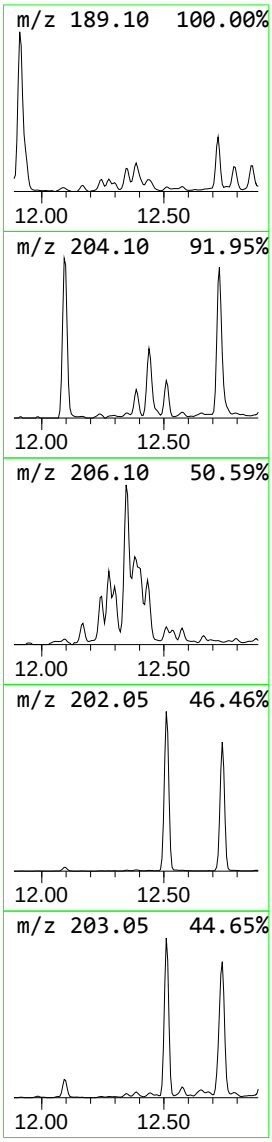
Peak Number 14 unknown12.386 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	2.75 ng	86811	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	43
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
4	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	38
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	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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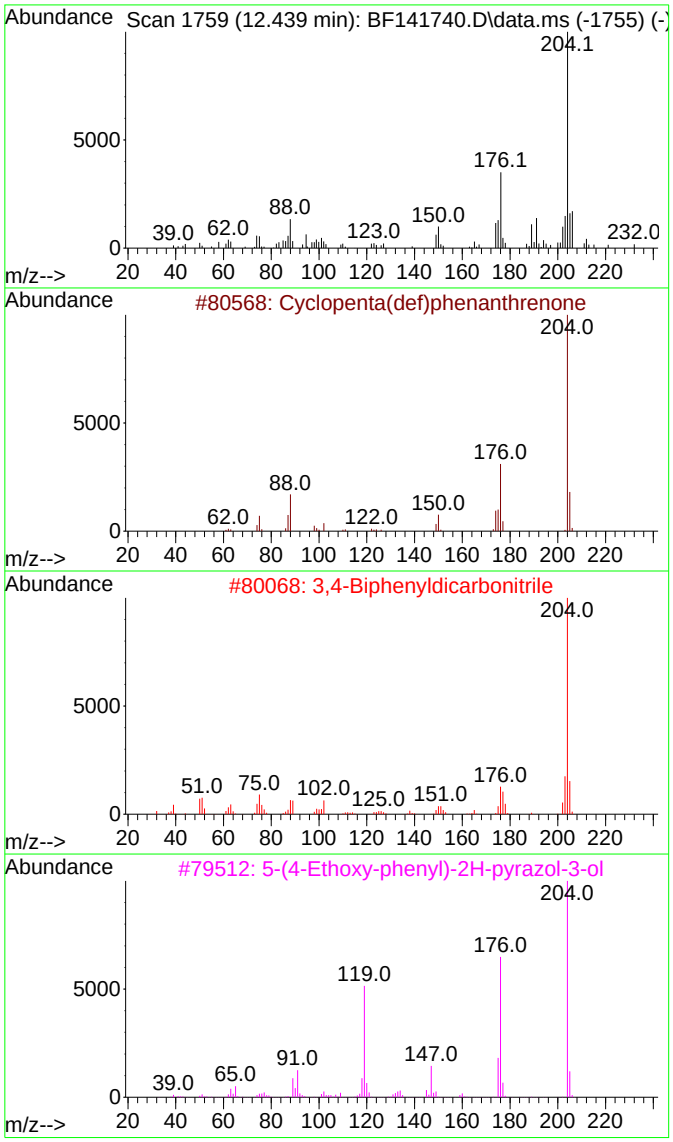
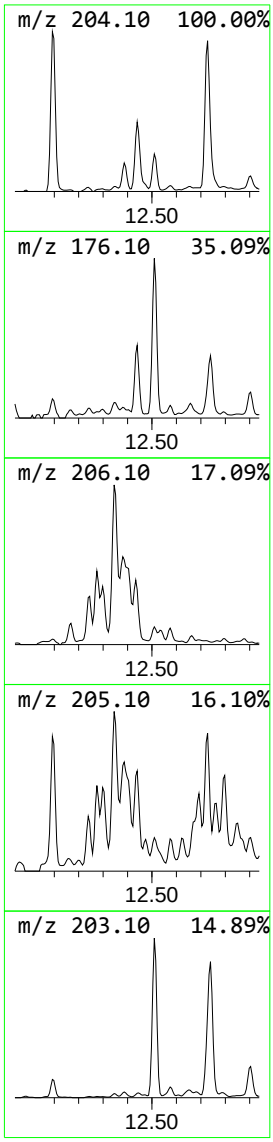
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	2.48 ng	78534	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
4	.alpha.-L-6-Deoxymannopyranose, ...	452	C18H44O5Si4	055057-21-1	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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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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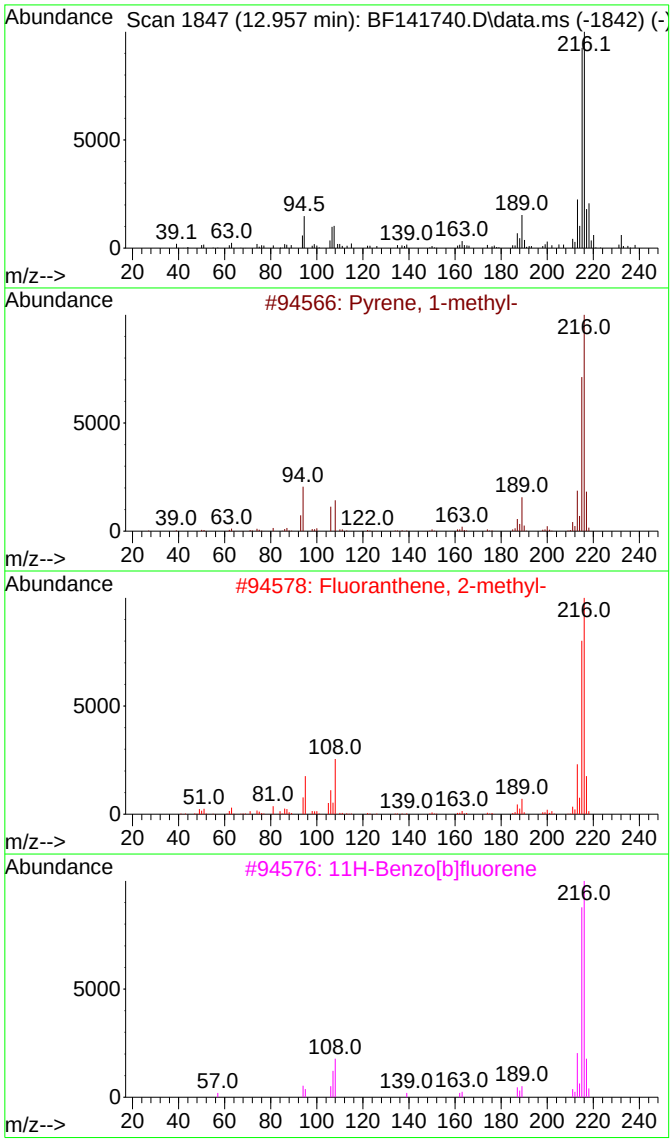
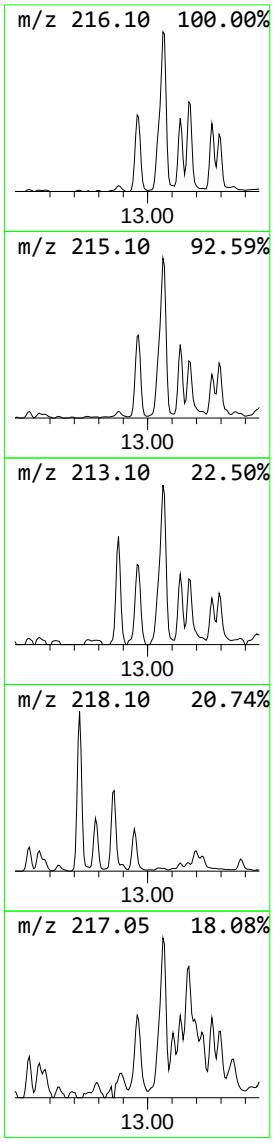
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.957	2.31 ng	126597	Chrysene-d12	13.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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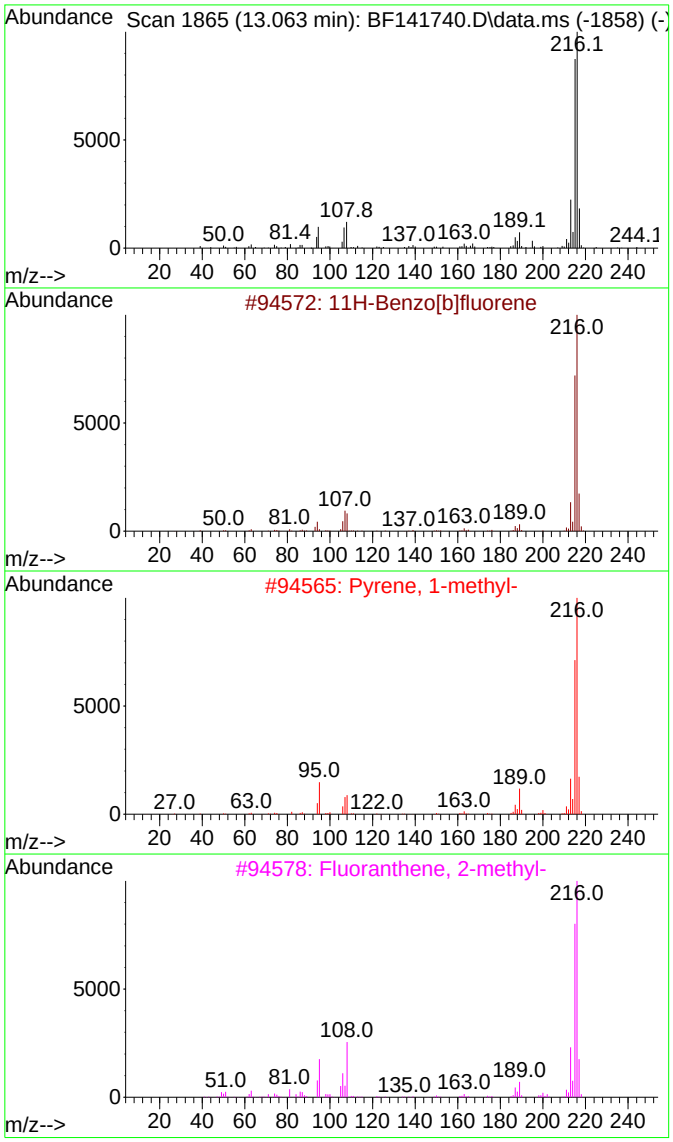
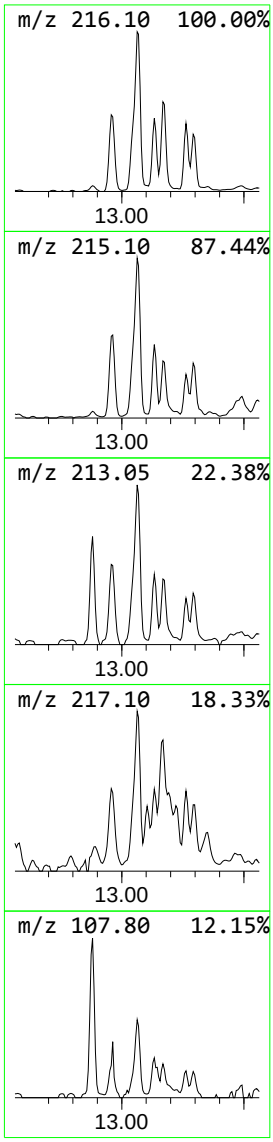
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	4.16 ng	227795	Chrysene-d12	13.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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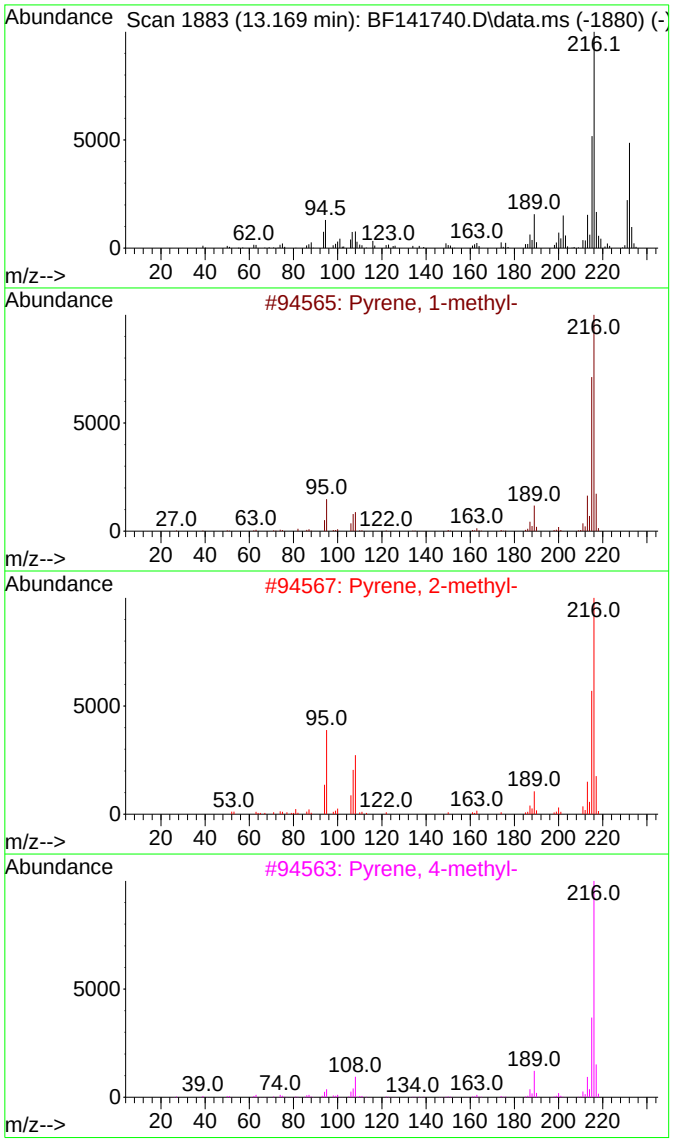
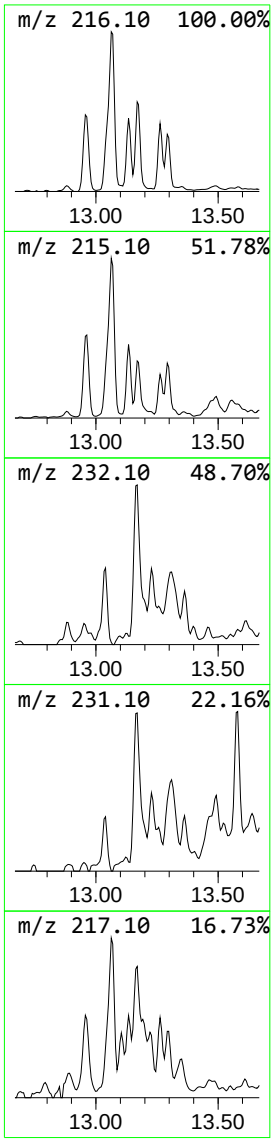
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	2.32 ng	127150	Chrysene-d12	13.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	47





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Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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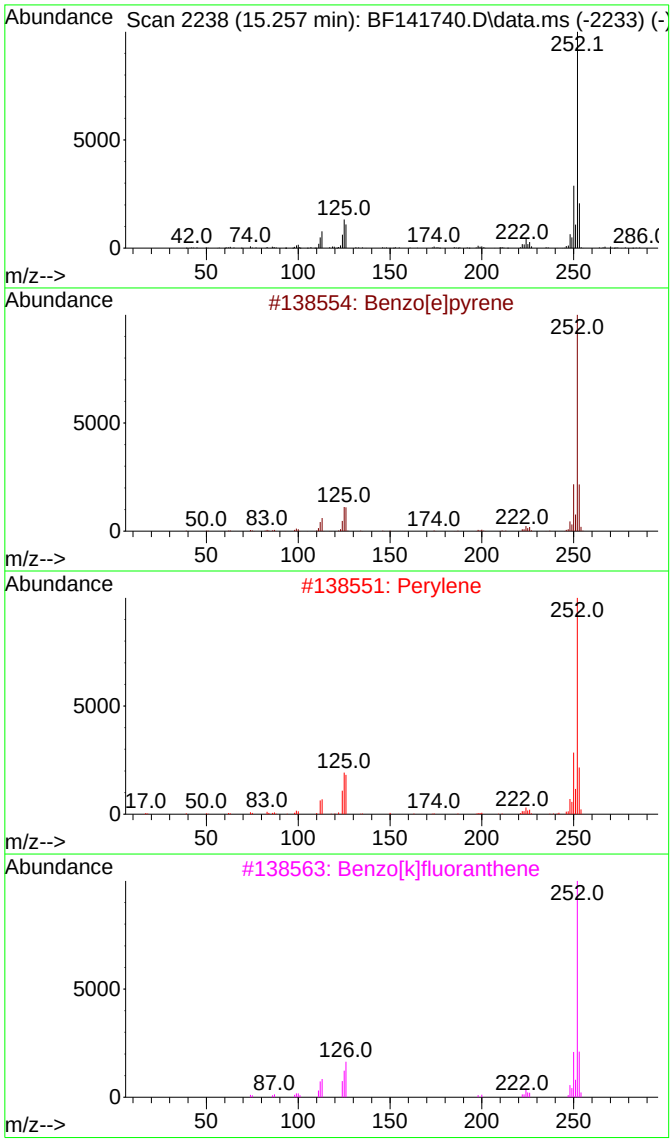
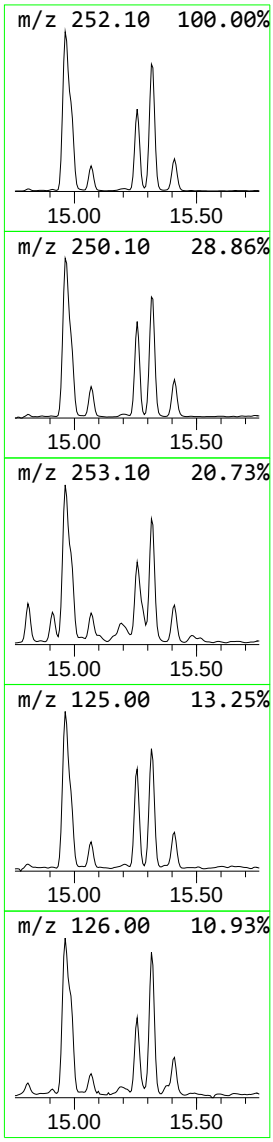
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.257	7.26 ng	224114	Perylene-d12	15.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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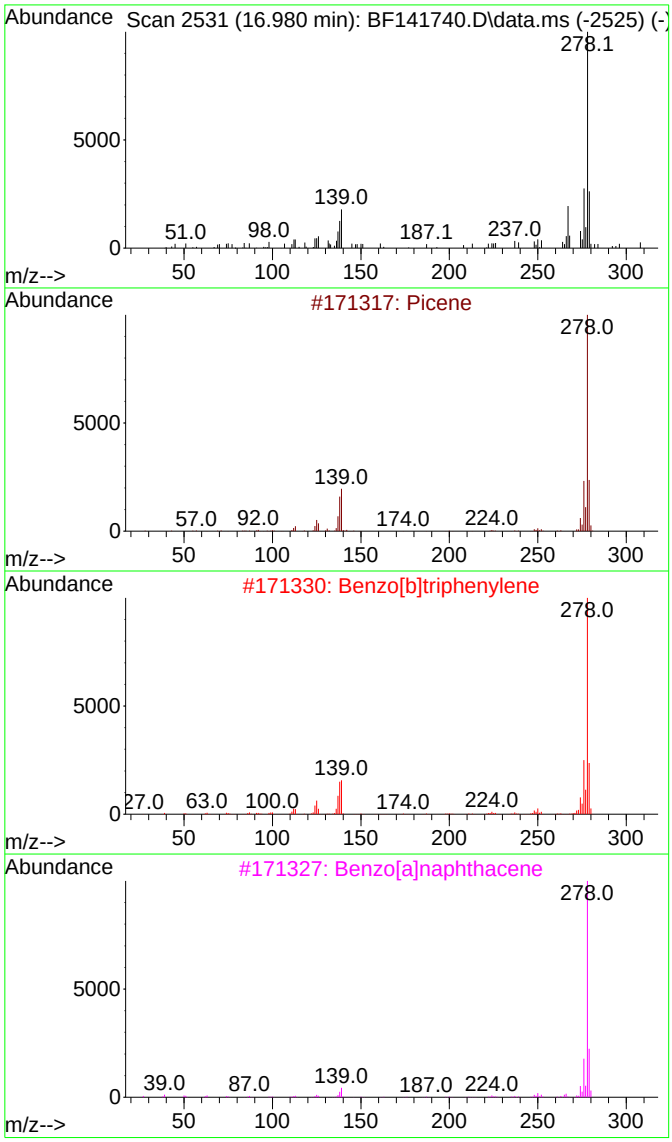
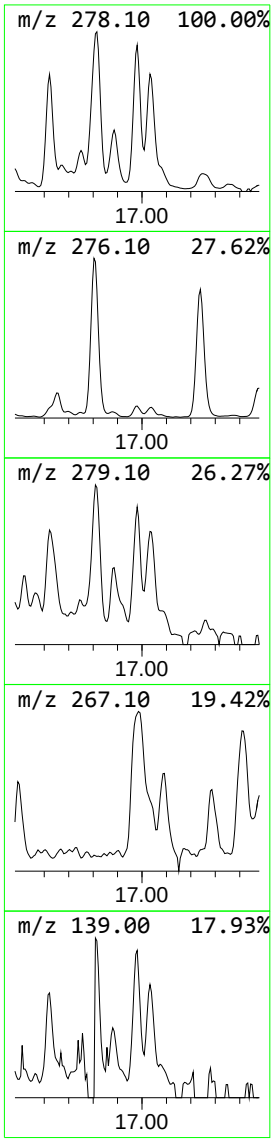
Peak Number 20 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.980	2.03 ng	62771	Perylene-d12	15.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	91
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	86
4	Pentaphene	278	C22H14	000222-93-5	83
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
Data File : BF141740.D
Acq On : 24 Feb 2025 12:55
Operator : RC/JU
Sample : Q1397-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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
3-Hexen-2-one	4.351	2.7	ng	64855	1	6.781	481442	20.0
2-Pentanone, 4-...	4.987	4.3	ng	103304	1	6.781	481442	20.0
Benzophenone	10.522	7.6	ng	282881	3	9.810	743269	20.0
9H-Fluorene, 1-...	10.904	2.6	ng	82963	4	11.298	632151	20.0
9H-Fluoren-9-one	11.104	2.2	ng	68779	4	11.298	632151	20.0
Anthracene, 1,2...	11.157	3.3	ng	105011	4	11.298	632151	20.0
Dibenzothiophene	11.192	2.6	ng	82810	4	11.298	632151	20.0
Anthracene, 2-m...	11.798	5.7	ng	178812	4	11.298	632151	20.0
Phenanthrene, 2...	11.828	10.1	ng	318408	4	11.298	632151	20.0
Anthracene, 1-m...	11.874	3.5	ng	109710	4	11.298	632151	20.0
4H-Cyclopenta[d...	11.910	12.2	ng	385994	4	11.298	632151	20.0
Naphthalene, 2-...	12.092	3.2	ng	101844	4	11.298	632151	20.0
Phenanthrene, 2...	12.345	3.1	ng	98928	4	11.298	632151	20.0
unknown12.386	12.386	2.8	ng	86811	4	11.298	632151	20.0
Cyclopenta(def)...	12.439	2.5	ng	78534	4	11.298	632151	20.0
Pyrene, 1-methyl-	12.957	2.3	ng	126597	5	13.939	1096250	20.0
11H-Benzo[b]flu...	13.063	4.2	ng	227795	5	13.939	1096250	20.0
Pyrene, 2-methyl-	13.169	2.3	ng	127150	5	13.939	1096250	20.0
Benzo[e]pyrene	15.257	7.3	ng	224114	6	15.380	617435	20.0
Picene	16.980	2.0	ng	62771	6	15.380	617435	20.0