LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	16	22	30	rVB	183014	233672	11.63%	0.997%
2	5.157	518	522	527	rBV	104910	112355	5.59%	0.479%
3	5.551	585	589	592	rBV	876883	761630	37.92%	3.249%
4	6.551	755	759	763	rBV	775974	744992	37.09%	3.178%
5	6.769	793	796	800	rBV4	20665	23130	1.15%	0.099%
6	6.939	822	825	829	rVB	582159	482347	24.02%	2.058%
7	7.204	867	870	874	rBV2	21983	25025	1.25%	0.107%
8	7.498	917	920	923	rBV	519233	425352	21.18%	1.815%
9	8.133	1024	1028	1033	rBV4	17589	36819	1.83%	0.157%
10	8.228	1040	1044	1046	rBV	686753	527159	26.25%	2.249%
11	8.245	1046	1047	1050	rVV	33984	24528	1.22%	0.105%
12	8.939	1162	1165	1168	rVB	30236	26104	1.30%	0.111%
13	9.039	1178	1182	1185	rVB	69564	58292	2.90%	0.249%
14	9.239	1214	1216	1222	rVB2	34296	35191	1.75%	0.150%
15	9.304	1223	1227	1230	rBV	830049	693050	34.51%	2.957%
16	9.380	1237	1240	1243	rBV2	37596	38567	1.92%	0.165%
17	9.569	1268	1272	1275	rBV2	45841	60546	3.01%	0.258%
18	9.645	1281	1285	1287	rBV	81231	83203	4.14%	0.355%
19	9.698	1291	1294	1301	rVB3	55882	99796	4.97%	0.426%
20	9.763	1301	1305	1306	rBV	45393	43710	2.18%	0.186%
21	9.851	1316	1320	1323	rBV	205834	191364	9.53%	0.816%
22	9.898	1326	1328	1333	rVB5	28270	24040	1.20%	0.103%
23	9.986	1340	1343	1346	rVB	638619	500859	24.94%	2.137%
24	10.022	1346	1349	1357	rVB	117906	129967	6.47%	0.554%
25	10.092	1357	1361	1365	rBV4	36329	46351	2.31%	0.198%
26	10.133	1365	1368	1369	rBV2	20116	23380	1.16%	0.100%
27	10.186	1374	1377	1381	rVB2	80938	89224	4.44%	0.381%
28	10.227	1381	1384	1387	rBV	68164	48066	2.39%	0.205%
29	10.304	1392	1397	1399	rBV3	69868	83037	4.13%	0.354%
30	10.333	1399	1402	1404	rVV	32446	27674	1.38%	0.118%
31	10.392	1408	1412	1414	rBV3	52720	66105	3.29%	0.282%
32	10.439	1418	1420	1423	rBV	52708	48780	2.43%	0.208%
33	10.486	1426	1428	1430	rVB2	31712	23252	1.16%	0.099%
34	10.533	1433	1436	1442	rVB2	152960	178628	8.89%	0.762%
35	10.604	1443	1448	1449	rBV3	27863	39252	1.95%	0.167%
36	10.645	1453	1455	1459	rVV	32324	31993	1.59%	0.136%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.692	1460	1463	1466	rVB2	42188	46310	2.31%	0.198%
38	10.774	1474	1477	1481	rVB	524499	430721	21.45%	1.837%
39	10.898	1493	1498	1502	rBV3	86165	105740	5.26%	0.451%
40	10.974	1509	1511	1513	rBV	36911	31650	1.58%	0.135%
41	11.086	1525	1530	1532	rBV2	69460	87324	4.35%	0.373%
42	11.116	1532	1535	1537	rVB2	48950	44175	2.20%	0.188%
43	11.169	1542	1544	1547	rVB	55026	39062	1.94%	0.167%
44	11.239	1554	1556	1561	rVB	40652	36964	1.84%	0.158%
45	11.286	1561	1564	1566	rVV2	38724	37798	1.88%	0.161%
46	11.333	1569	1572	1574	rVV4	33686	39597	1.97%	0.169%
47	11.374	1576	1579	1584	rVB	107495	113098	5.63%	0.482%
48	11.480	1594	1597	1599	rBV	605697	518221	25.80%	2.211%
49	11.510	1599	1602	1605	rVV	1073405	975008	48.55%	4.159%
50	11.557	1607	1610	1612	rVV	294243	221286	11.02%	0.944%
51	11.592	1612	1616	1618	rVV3	55891	63150	3.14%	0.269%
52	11.639	1621	1624	1625	rBV3	24665	24899	1.24%	0.106%
53	11.710	1633	1636	1639	rBV	84988	89719	4.47%	0.383%
54	11.774	1646	1647	1649	rVB	35438	23865	1.19%	0.102%
55	11.810	1651	1653	1658	rVB	100070	90294	4.50%	0.385%
56	11.898	1665	1668	1671	rVB	64893	71531	3.56%	0.305%
57	11.986	1680	1683	1685	rBV	295438	277683	13.83%	1.185%
58	12.010	1685	1687	1691	rVB	353688	308694	15.37%	1.317%
59	12.063	1693	1696	1698	rVV	104784	102592	5.11%	0.438%
60	12.098	1698	1702	1704	rVV2	434172	492083	24.50%	2.099%
61	12.121	1704	1706	1709	rVB	238685	188278	9.37%	0.803%
62	12.216	1720	1722	1725	rVB2	62031	49300	2.45%	0.210%
63	12.280	1730	1733	1735	rVV2	172965	164106	8.17%	0.700%
64	12.304	1735	1737	1741	rVB2	112771	117931	5.87%	0.503%
65	12.410	1753	1755	1757	rBV	63236	63232	3.15%	0.270%
66	12.427	1757	1758	1761	rVV	82806	56421	2.81%	0.241%
67	12.463	1761	1764	1766	rVV	107162	104986	5.23%	0.448%
68	12.486	1766	1768	1770	rVB	86276	68198	3.40%	0.291%
69	12.533	1773	1776	1779	rBV	284220	303077	15.09%	1.293%
70	12.574	1779	1783	1785	rVV2	168568	193703	9.64%	0.826%
71	12.621	1788	1791	1796	rBV2	149107	199993	9.96%	0.853%
72	12.704	1801	1805	1808	rVV	1911354	1650436	82.18%	7.041%
73	12.745	1808	1812	1814	rVV2	83419	104464	5.20%	0.446%
74	12.798	1818	1821	1823	rVB2	95898	93866	4.67%	0.400%
75	12.851	1828	1830	1833	rBV	94364	100410	5.00%	0.428%
76	12.933	1838	1844	1849	rVV	1620791	2008372	100.00%	8.568%

LSC Area Percent Report

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Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.980	1849	1852	1856	rVB2	137295	178505	8.89%	0.761%
78	13.045	1861	1863	1864	rVV2	114153	103168	5.14%	0.440%
79	13.068	1864	1867	1874	rVB	796272	812386	40.45%	3.466%
80	13.151	1876	1881	1884	rBV3	181766	296808	14.78%	1.266%
81	13.204	1888	1890	1892	rVV3	61148	56917	2.83%	0.243%
82	13.233	1892	1895	1897	rVV3	160978	216406	10.78%	0.923%
83	13.257	1897	1899	1902	rVB	367451	314747	15.67%	1.343%
84	13.327	1908	1911	1913	rVB	208706	171683	8.55%	0.732%
85	13.363	1914	1917	1920	rBV2	278621	256481	12.77%	1.094%
86	13.457	1930	1933	1935	rBV	186083	146127	7.28%	0.623%
87	13.486	1936	1938	1941	rVV	204594	178362	8.88%	0.761%
88	13.515	1941	1943	1947	rVB5	74191	71681	3.57%	0.306%
89	13.768	1983	1986	1990	rVB	144379	163660	8.15%	0.698%
90	13.910	2008	2010	2012	rVB	140040	93451	4.65%	0.399%
91	13.933	2012	2014	2018	rBV2	110438	141034	7.02%	0.602%
92	14.127	2043	2047	2050	rBV2	904556	1238568	61.67%	5.284%
93	14.163	2050	2053	2059	rVB	768490	791748	39.42%	3.378%
94	14.274	2070	2072	2077	rBV3	91984	122724	6.11%	0.524%
95	14.521	2112	2114	2117	rVB	182460	139364	6.94%	0.595%
96	14.645	2133	2135	2137	rBV	114664	104497	5.20%	0.446%
97	15.204	2226	2230	2234	rBV	464525	799832	39.82%	3.412%
98	15.527	2281	2285	2290	rVB	301778	417632	20.79%	1.782%
99	15.592	2292	2296	2302	rVB	445384	556368	27.70%	2.373%
100	15.657	2304	2307	2310	rBV2	199738	243718	12.14%	1.040%

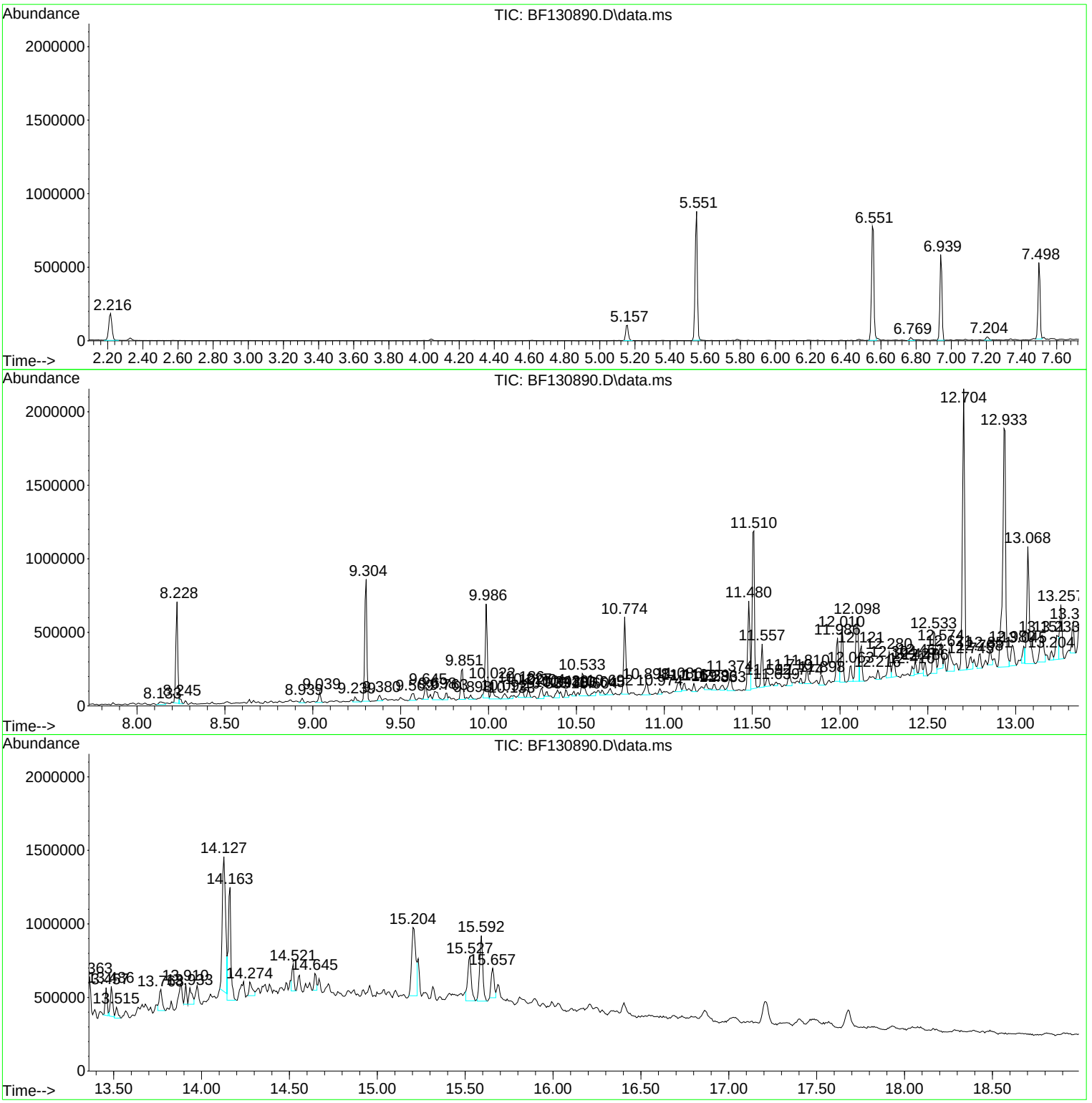
Sum of corrected areas: 23441544

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
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Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

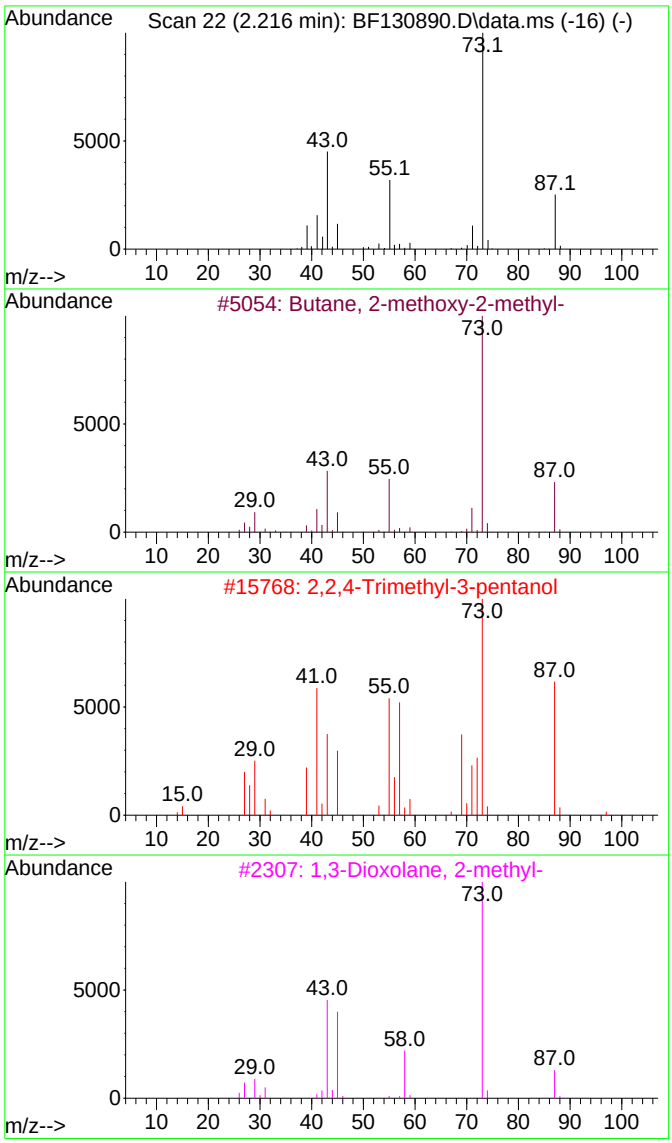
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

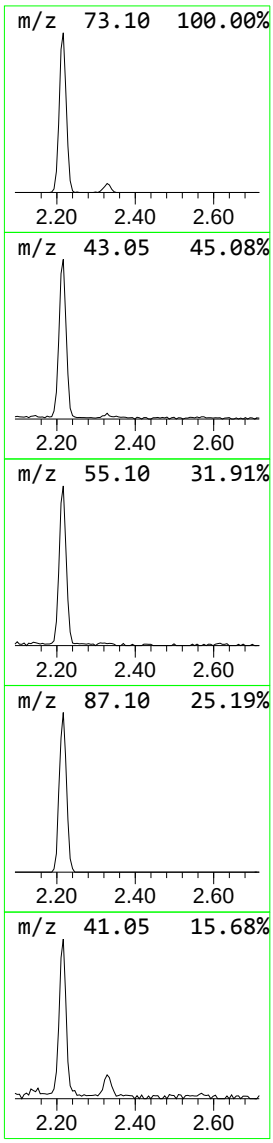
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.216	9.69 ng	233672	1,4-Dichlorobenzene-d4	6.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

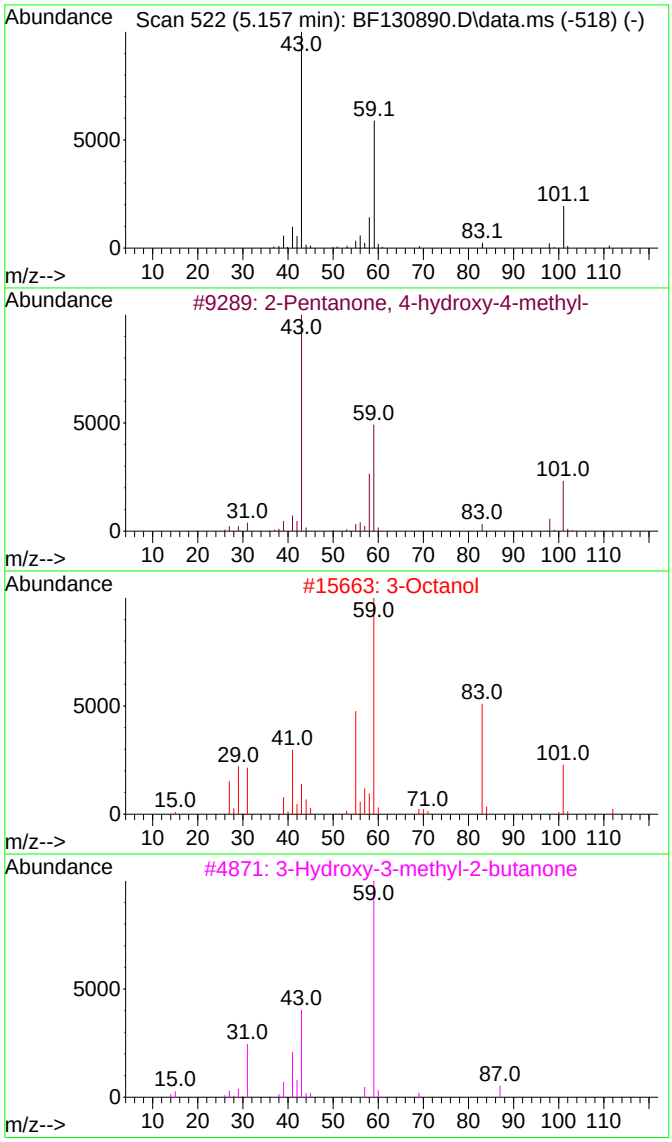
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

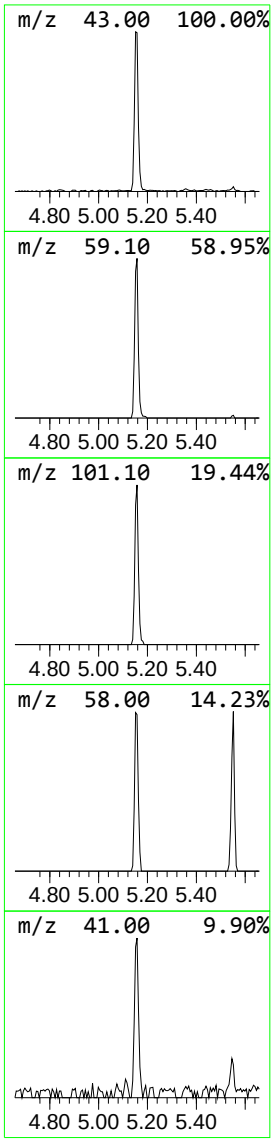
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	4.66 ng	112355	1,4-Dichlorobenzene-d4	6.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Octanol	130	C8H18O	000589-98-0	36
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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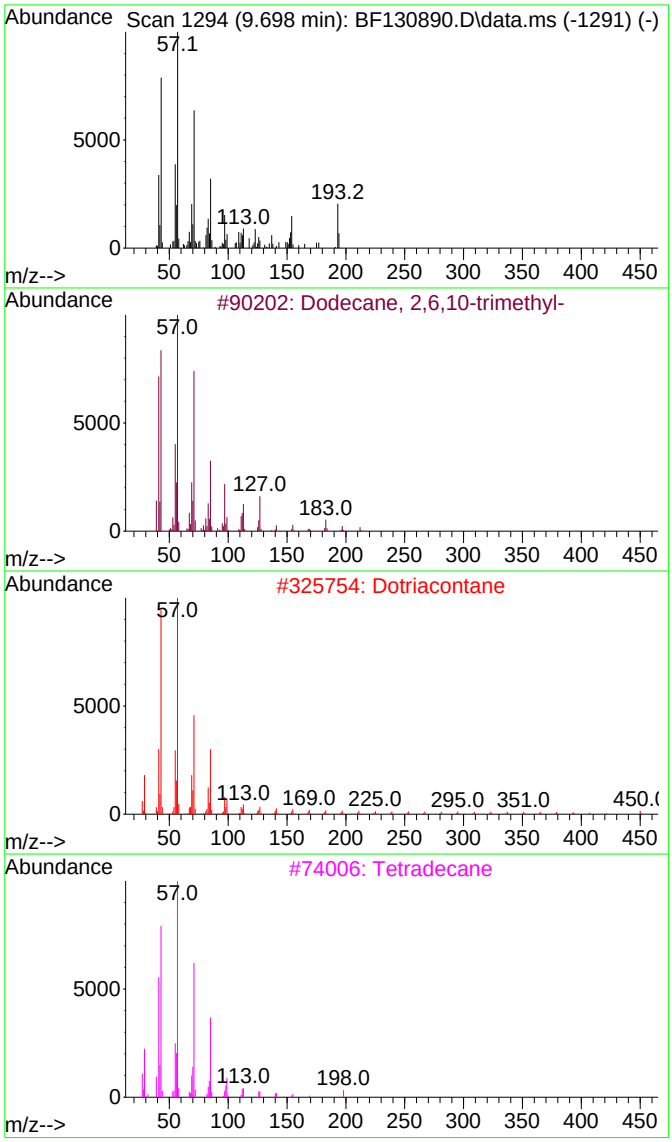
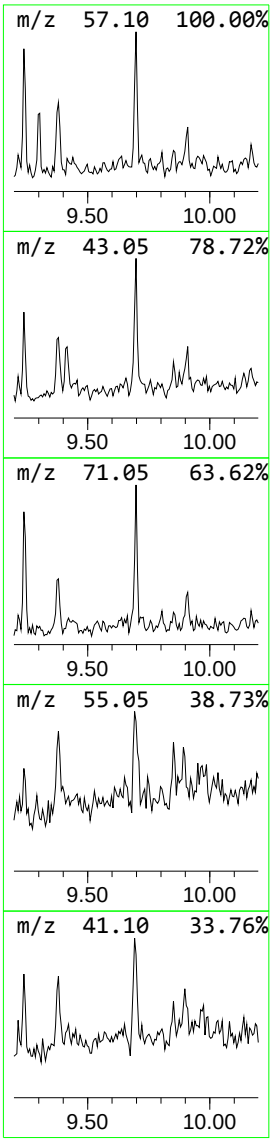
Peak Number 3 Dodecane, 2,6,10-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.698	3.98 ng	99796	Acenaphthene-d10	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	68
2	Dotriacontane	451	C32H66	000544-85-4	64
3	Tetradecane	198	C14H30	000629-59-4	52
4	Nonadecane	268	C19H40	000629-92-5	52
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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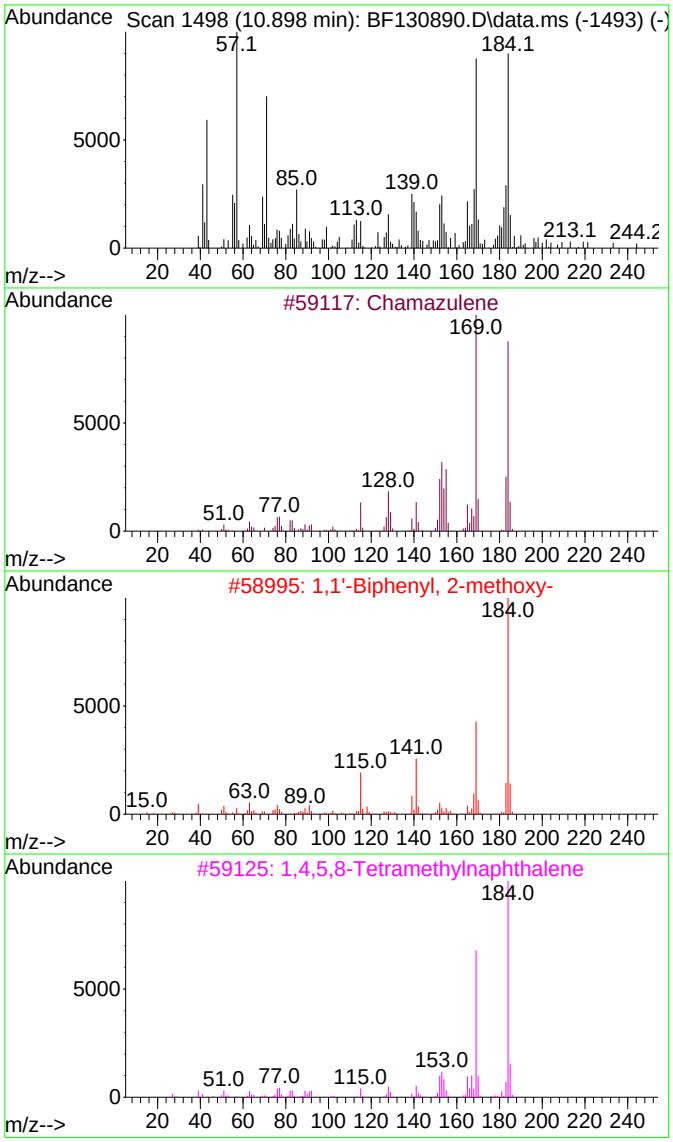
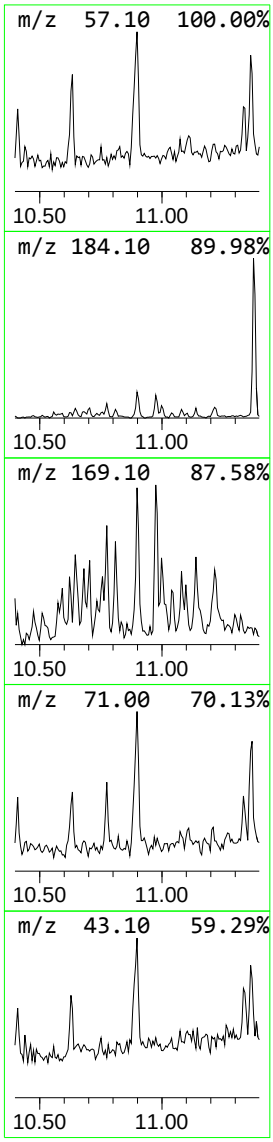
Peak Number 4 Chamazulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.898	4.08 ng	105740	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	89
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	74
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
5	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

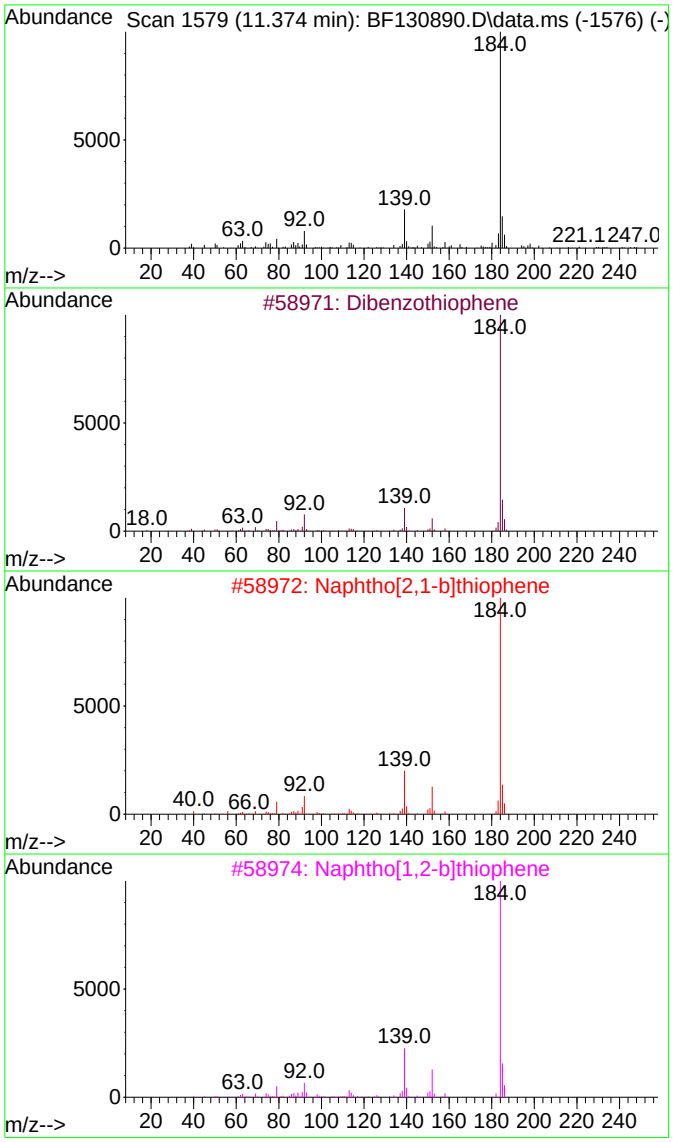
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

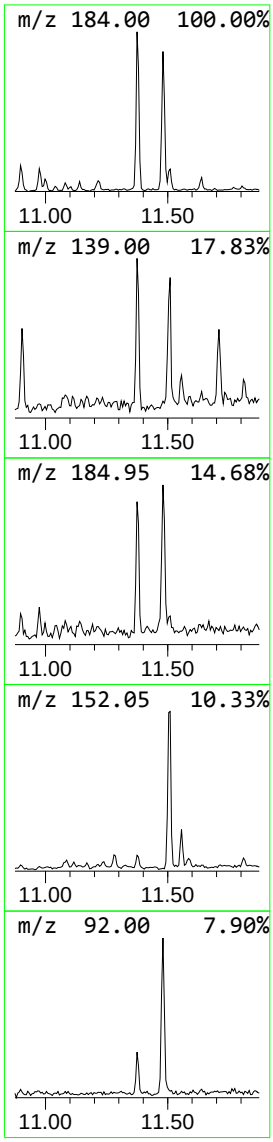
****

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.374	4.36 ng	113098	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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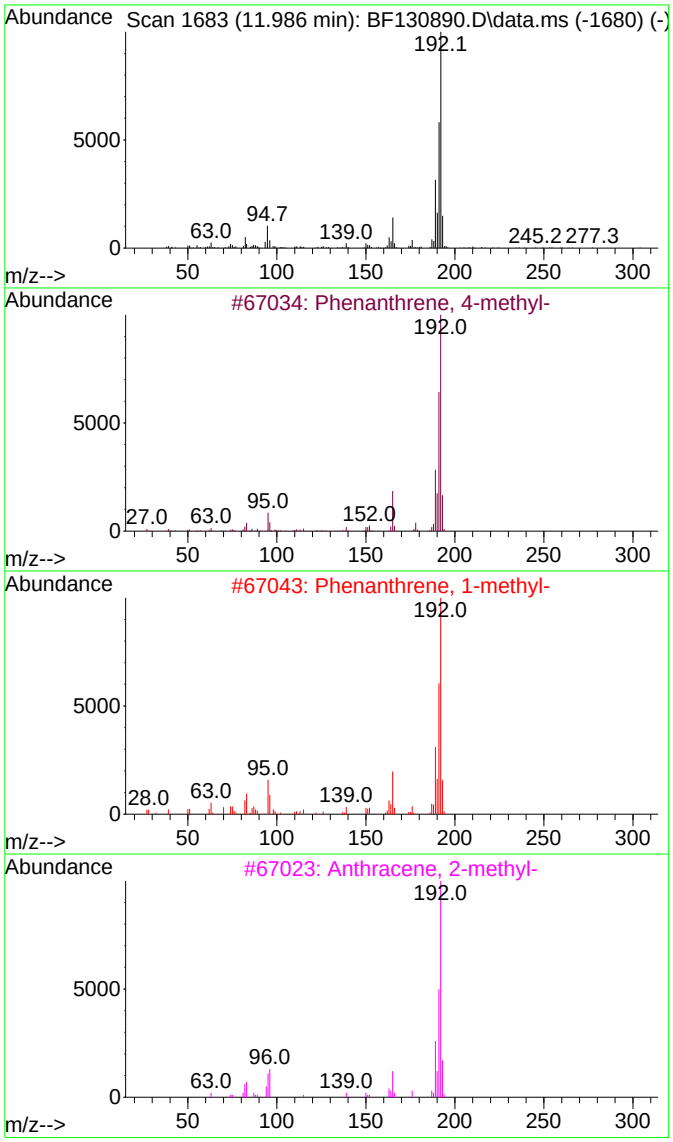
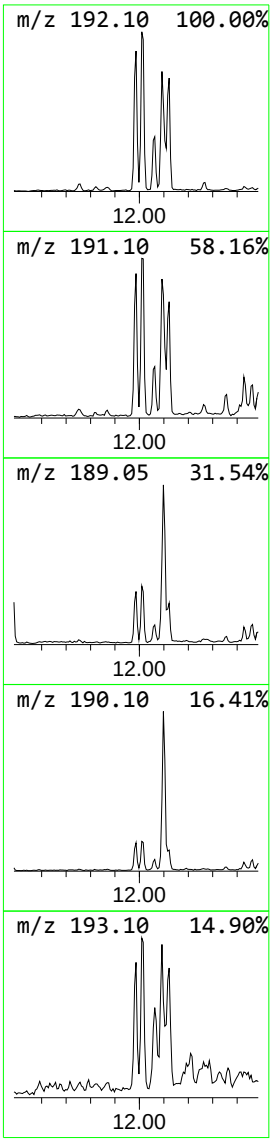
Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	10.72 ng	277683	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

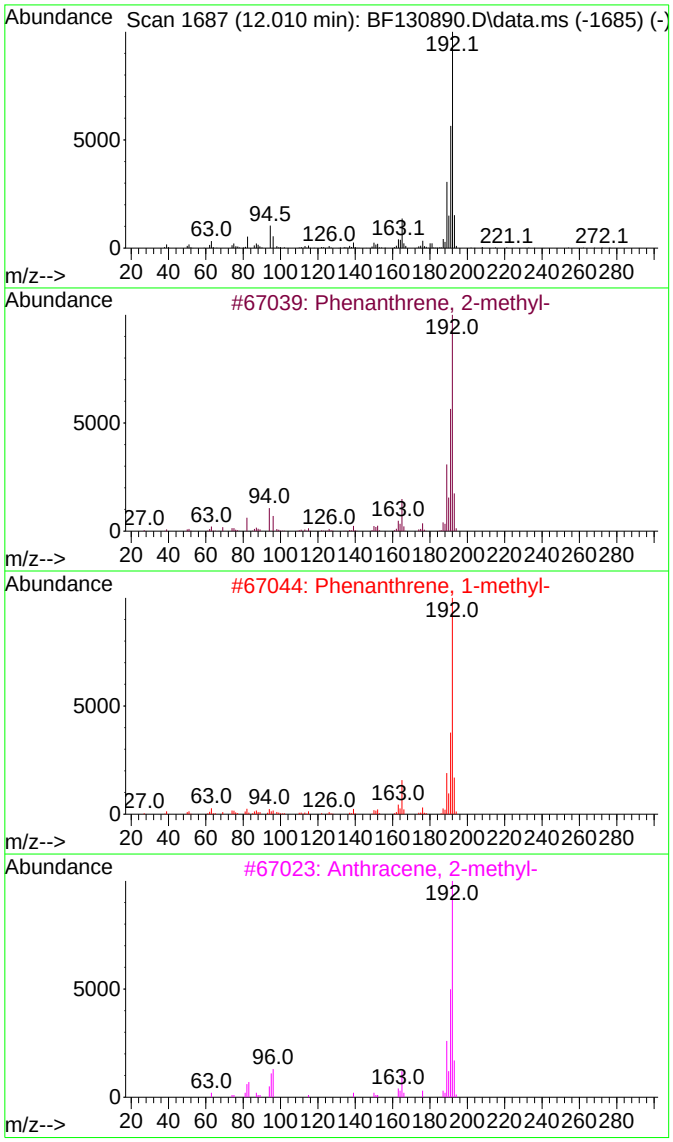
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

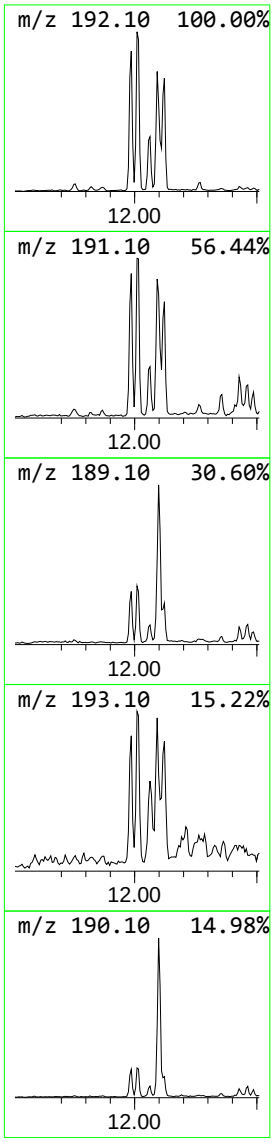
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	11.91 ng	308694	Phenanthrene-d10	11.480

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

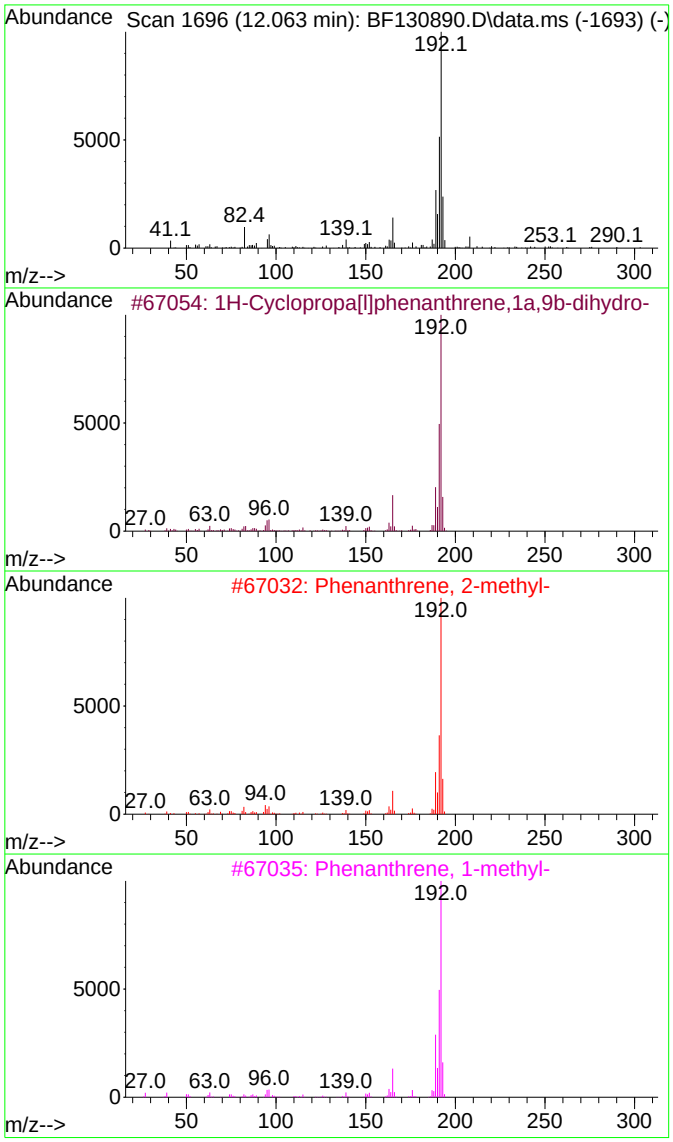
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

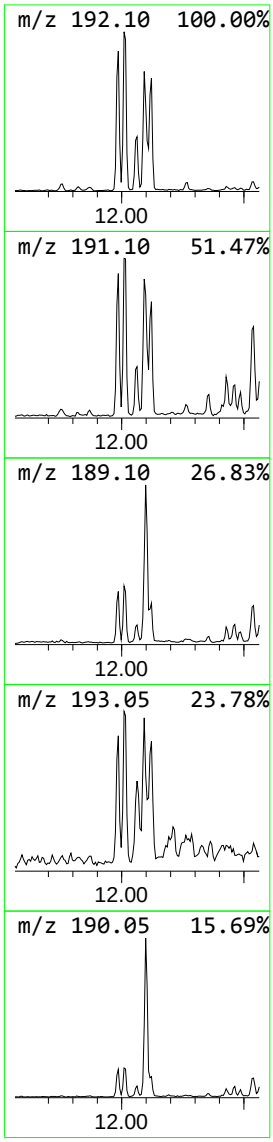
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	3.96 ng	102592	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

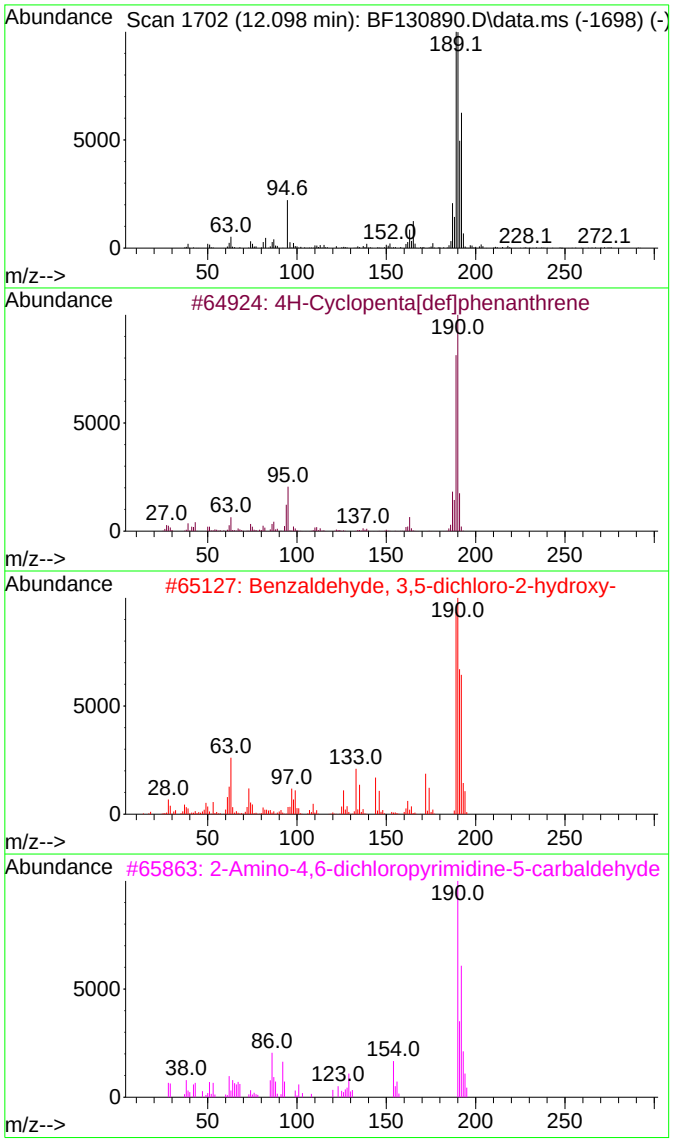
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

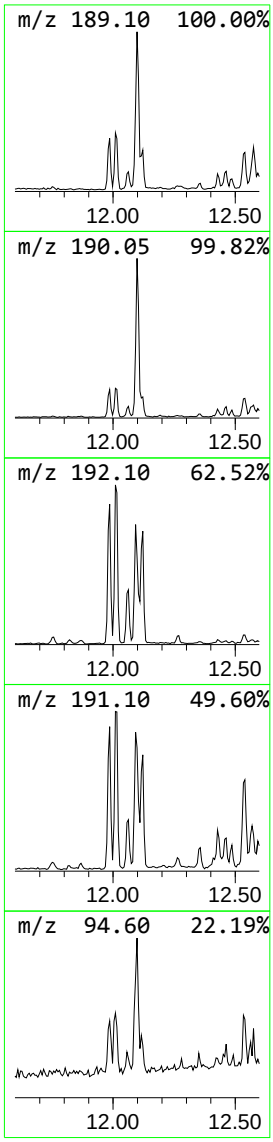
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	18.99 ng	492083	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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Acq On : 31 Oct 2022 20:58
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Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

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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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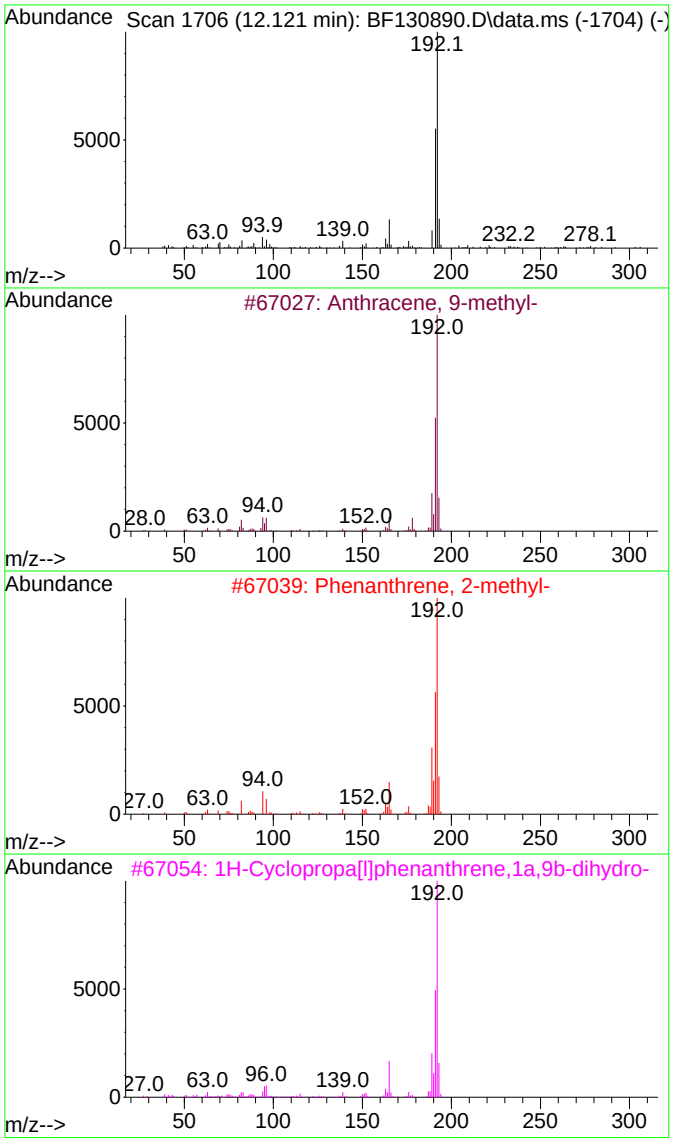
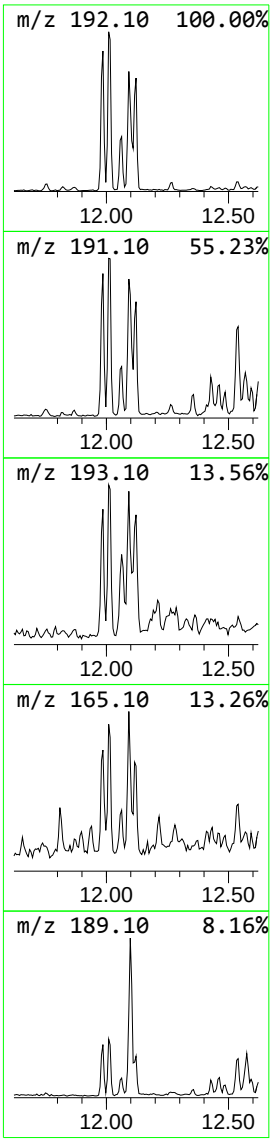
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	7.27 ng	188278	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87





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Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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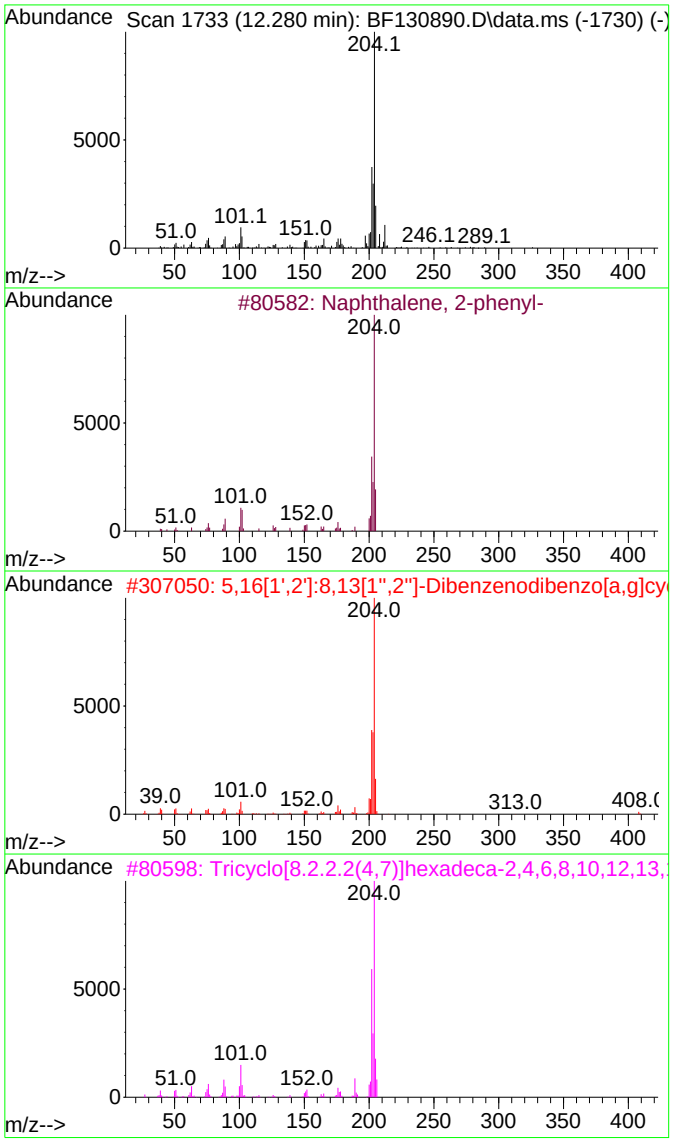
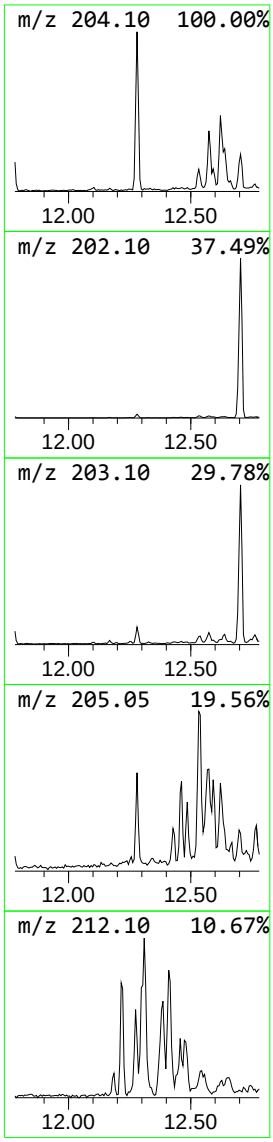
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.280	6.33 ng	164106	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





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Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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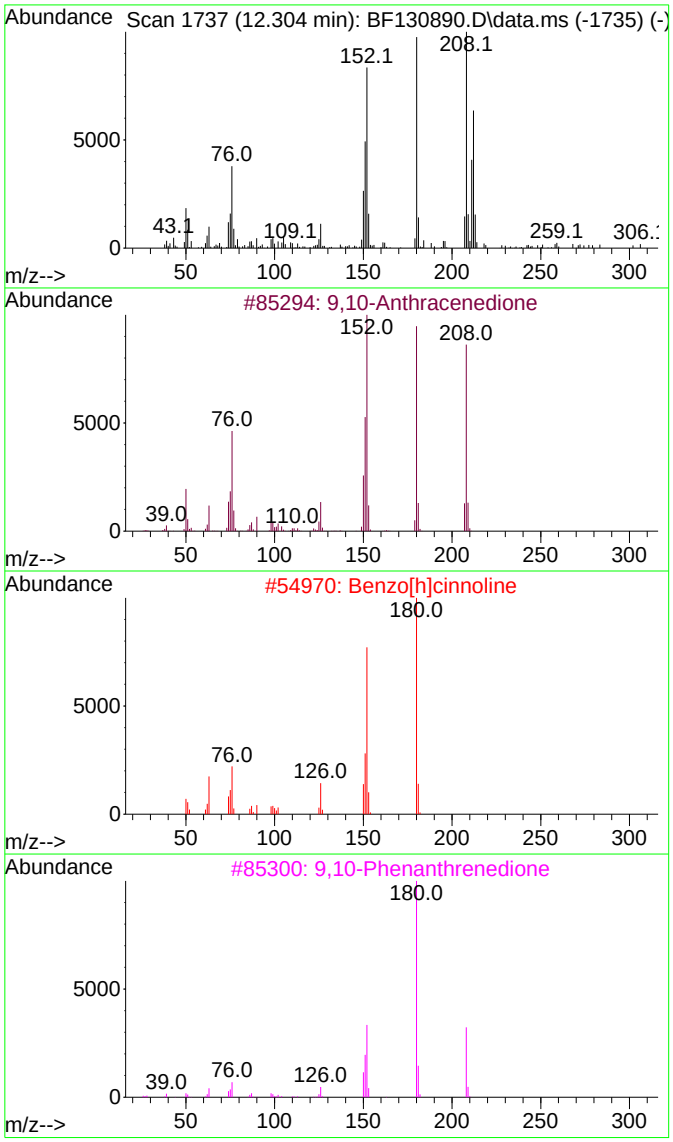
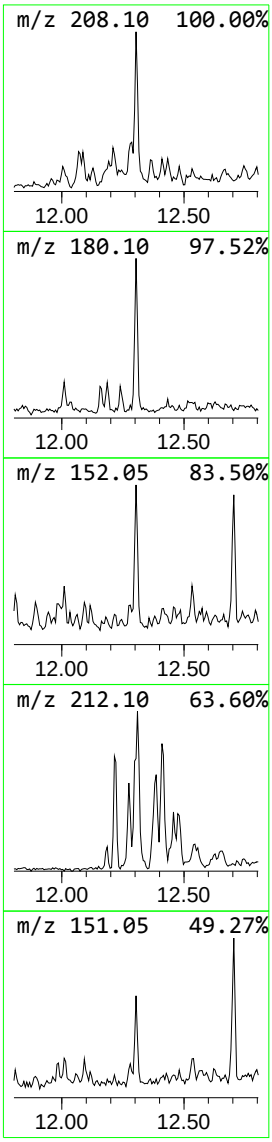
Peak Number 12 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	4.55 ng	117931	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50





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Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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

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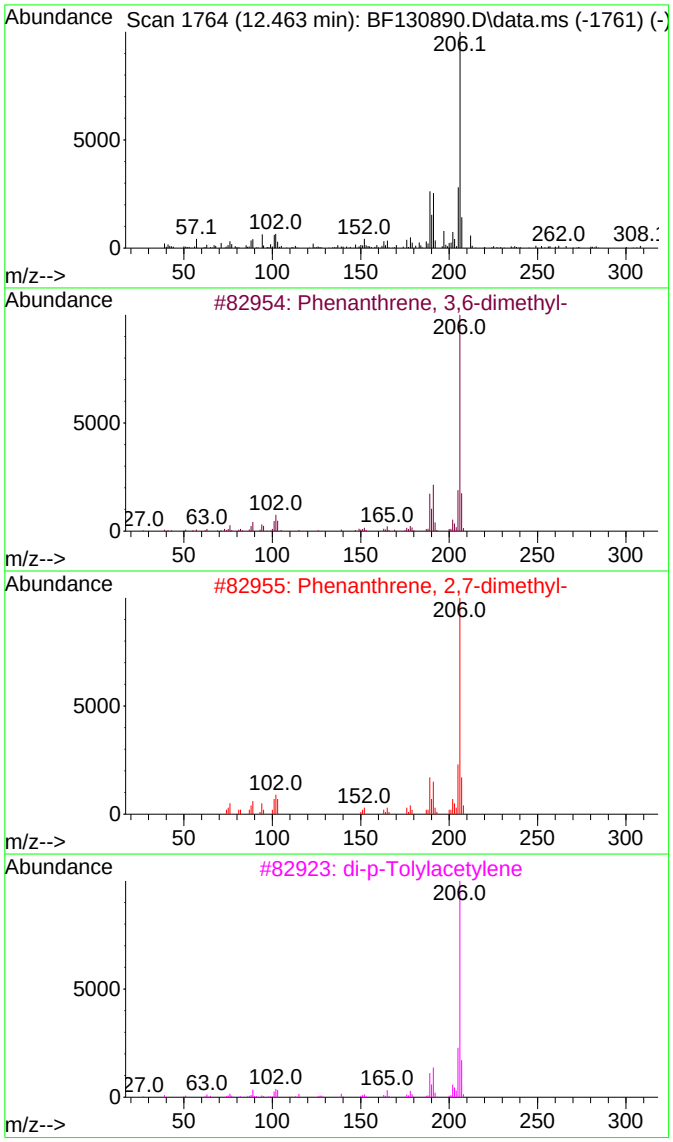
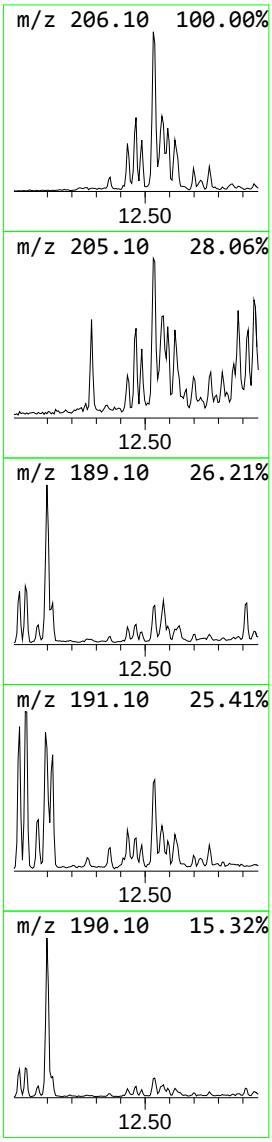
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	4.05 ng	104986	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64





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Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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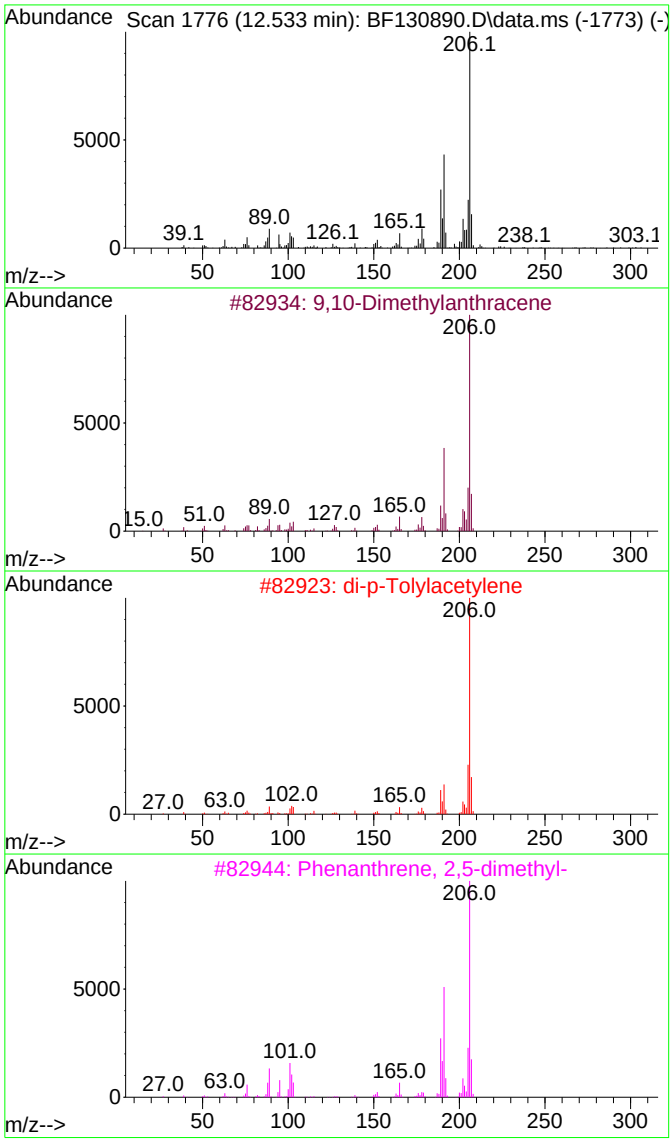
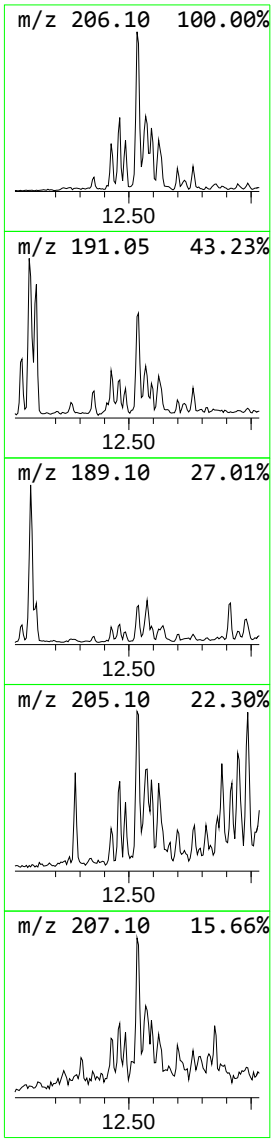
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	11.70 ng	303077	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-2-102822

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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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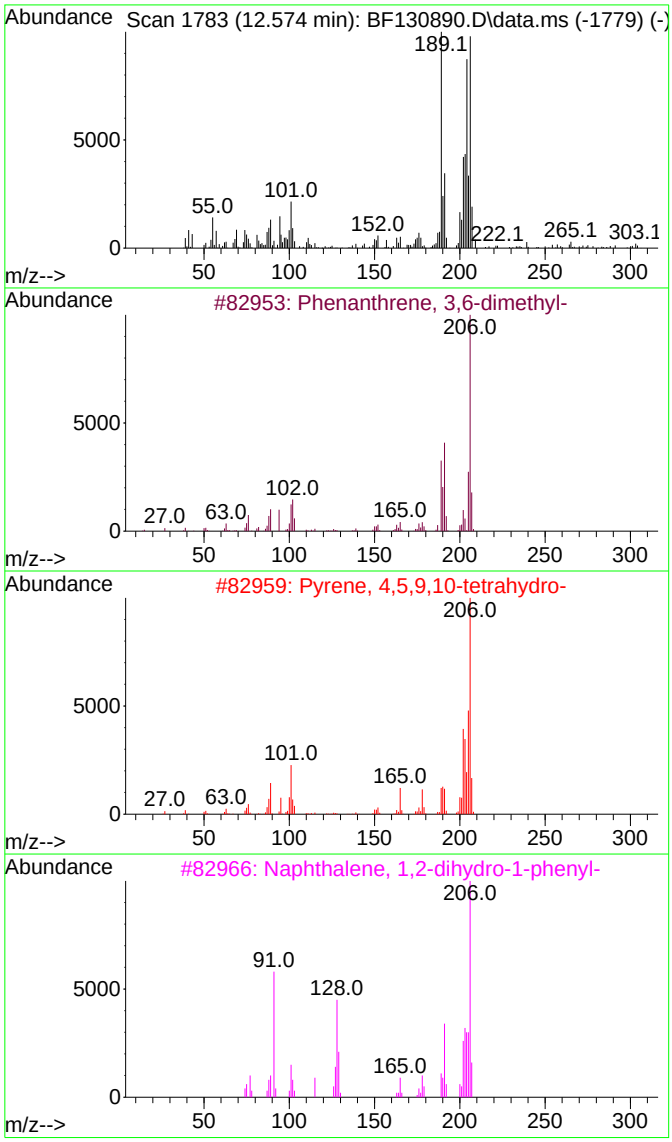
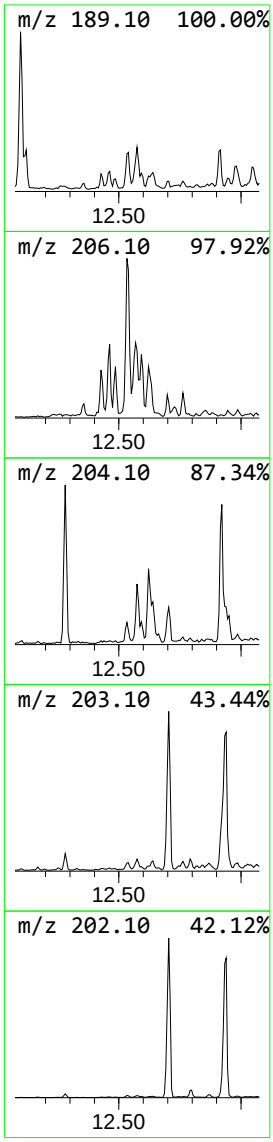
Peak Number 15 unknown12.574 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	7.48 ng	193703	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	38
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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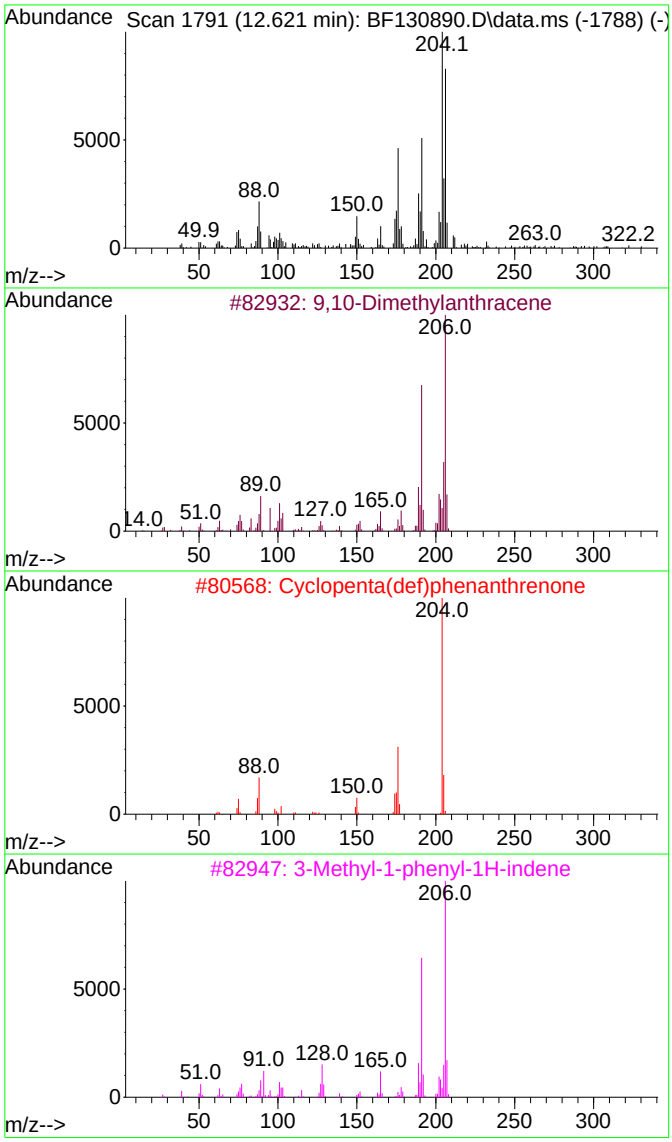
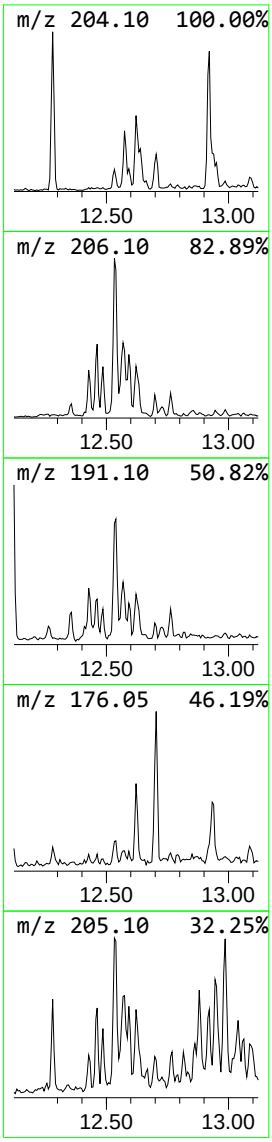
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	7.72 ng	199993	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	52
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	50
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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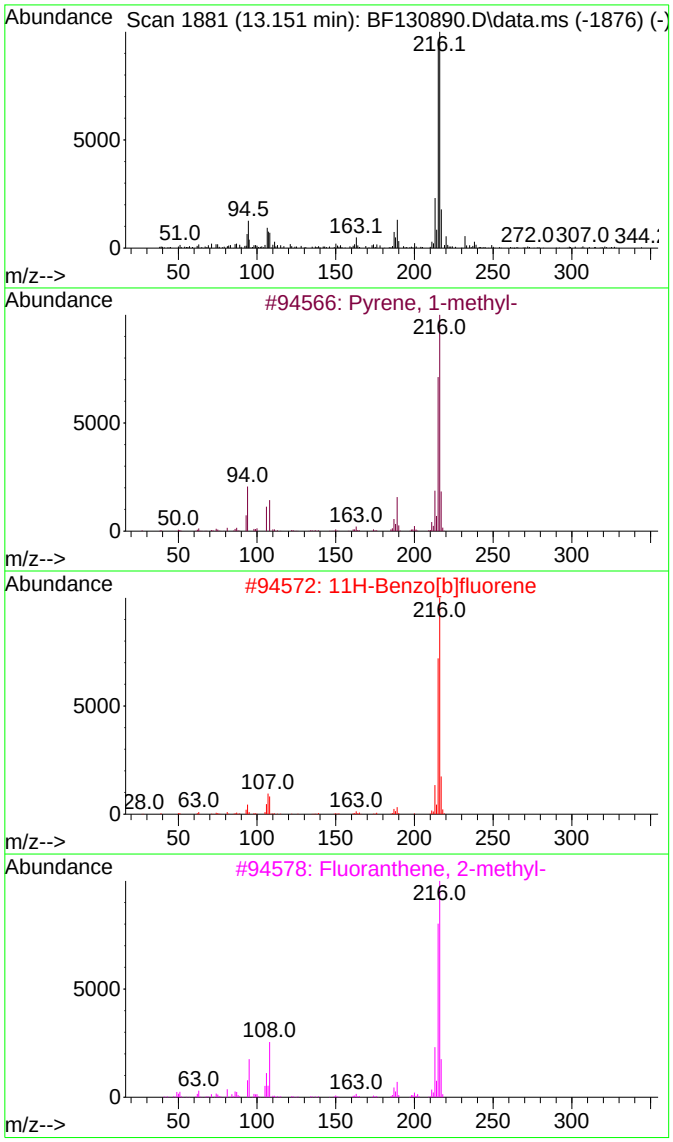
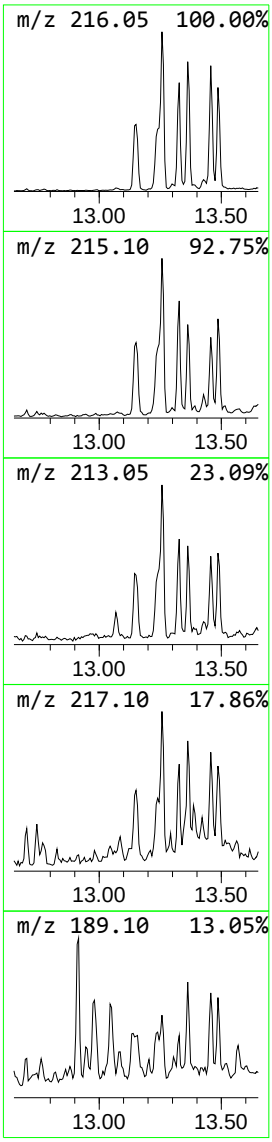
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	4.79 ng	296808	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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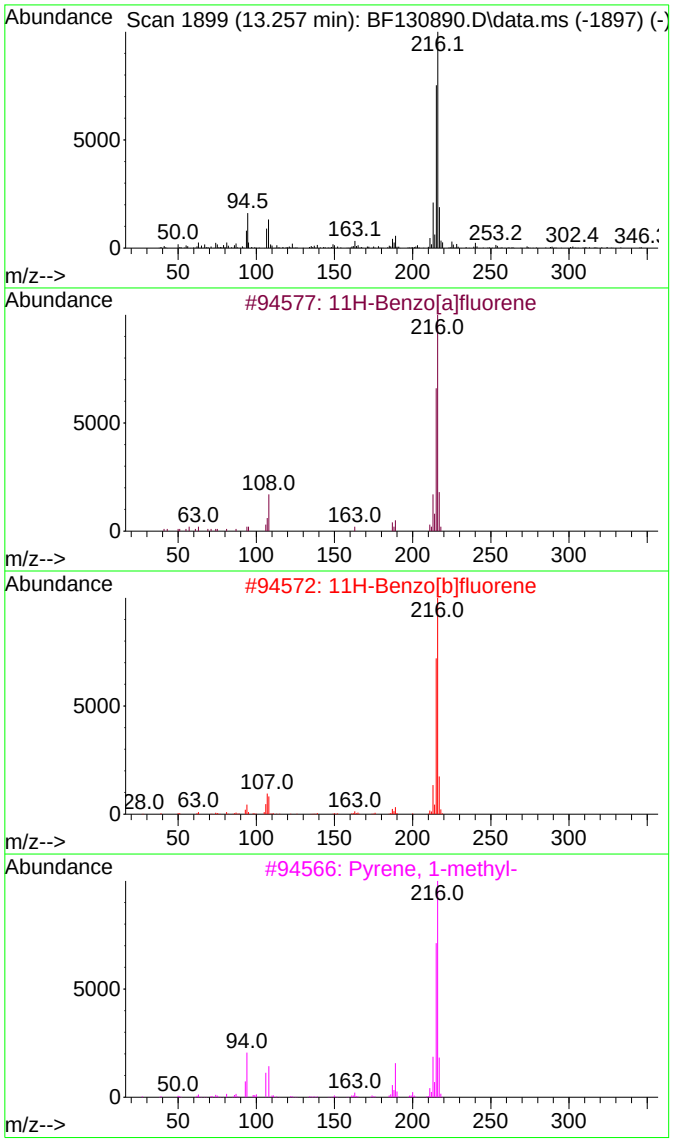
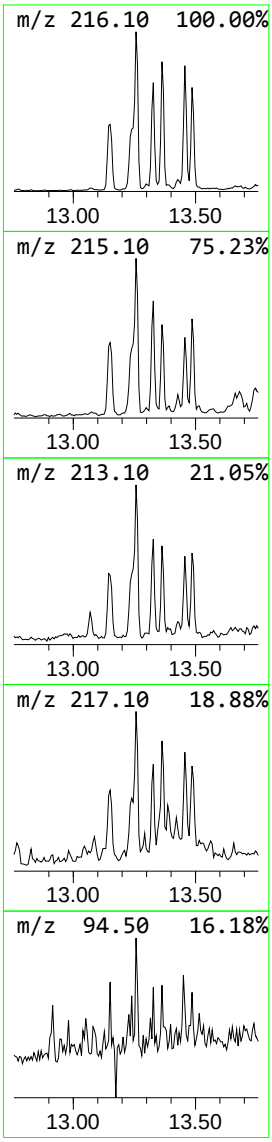
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	5.08 ng	314747	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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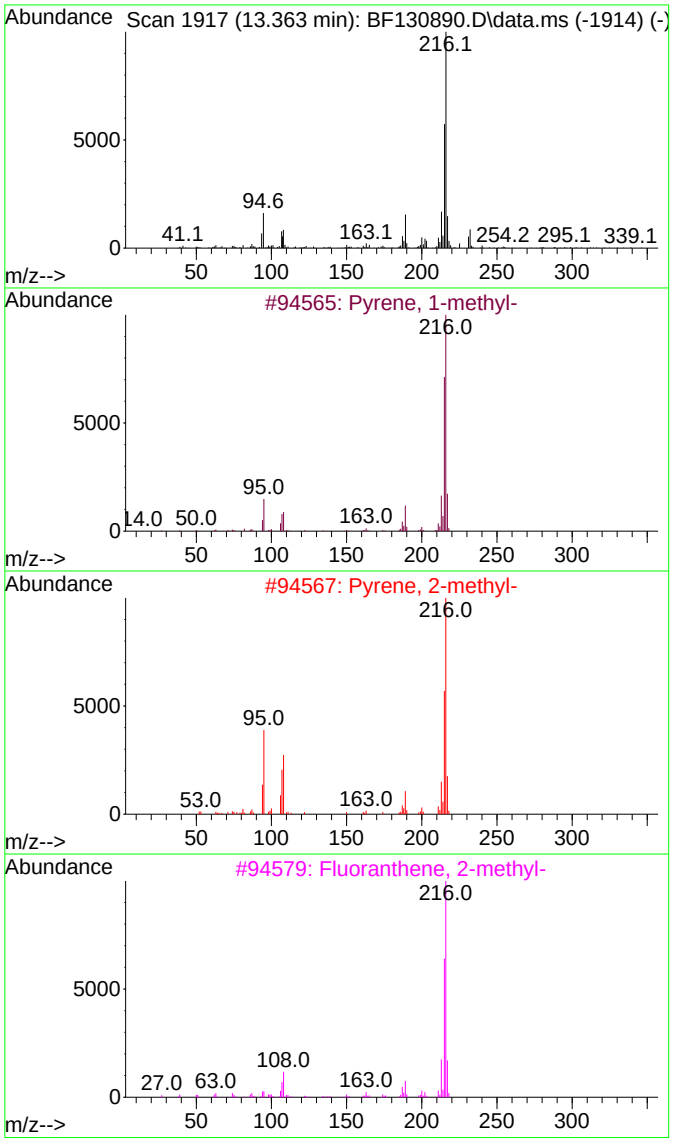
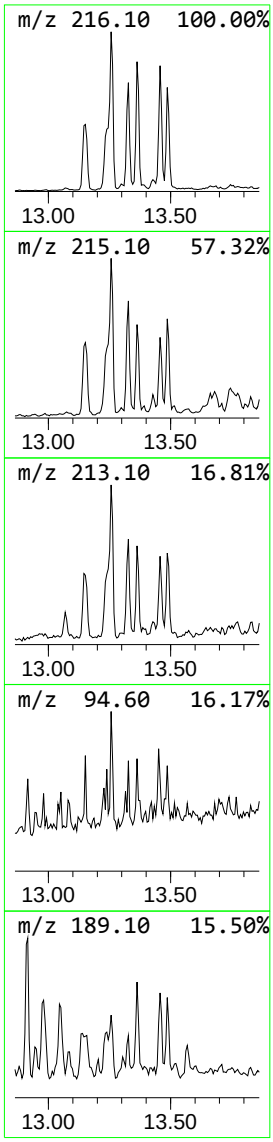
Peak Number 19 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.363	4.14 ng	256481	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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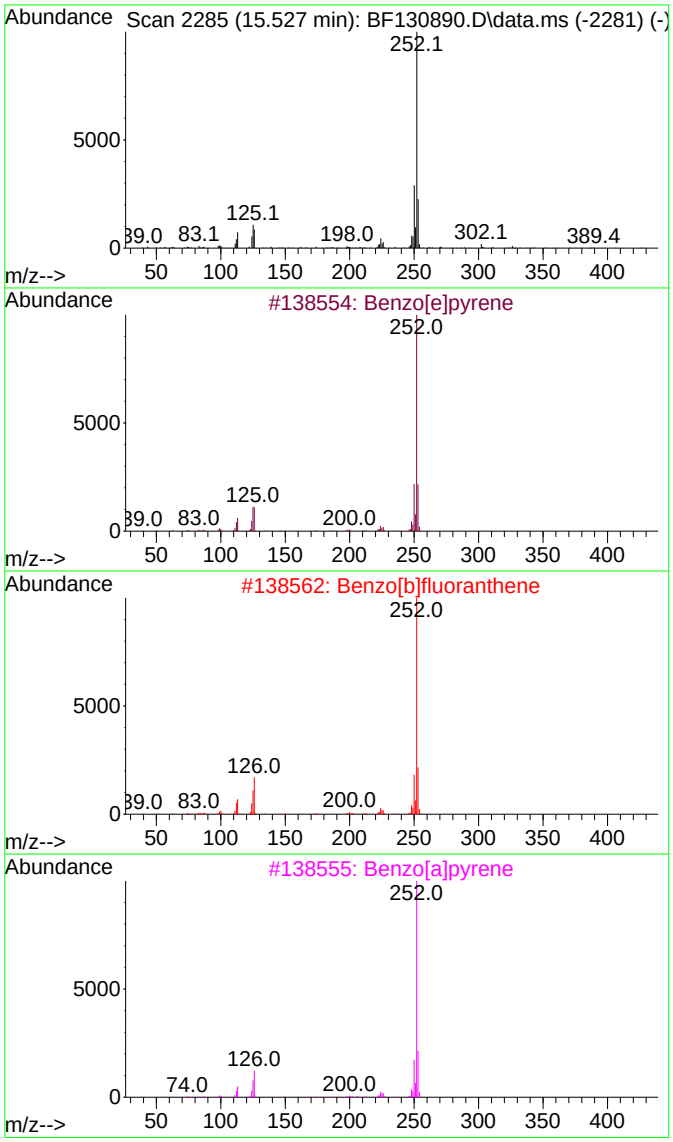
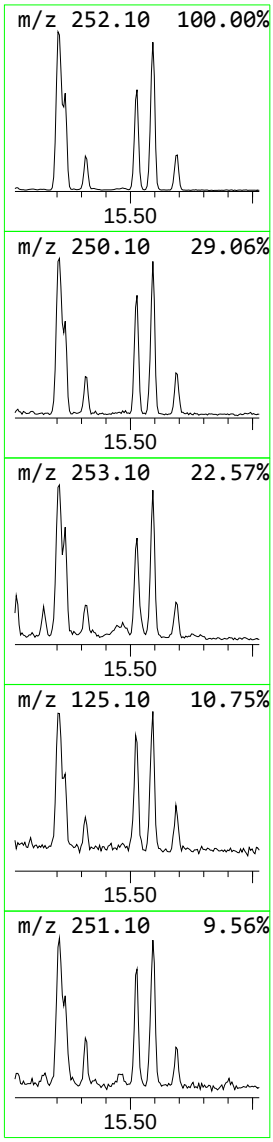
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.527	34.27 ng	417632	Perylene-d12	15.656

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
Acq On : 31 Oct 2022 20:58
Operator : CG\JU
Sample : N5361-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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
Butane, 2-metho...	2.216	9.7	ng	233672	1	6.939	482347	20.0
2-Pentanone, 4-...	5.157	4.7	ng	112355	1	6.939	482347	20.0
Dodecane, 2,6,1...	9.698	4.0	ng	99796	3	9.986	500859	20.0
Chamazulene	10.898	4.1	ng	105740	4	11.480	518221	20.0
Dibenzothiophene	11.374	4.4	ng	113098	4	11.480	518221	20.0
Phenanthrene, 4...	11.986	10.7	ng	277683	4	11.480	518221	20.0
Phenanthrene, 2...	12.010	11.9	ng	308694	4	11.480	518221	20.0
1H-Cyclopropa[l...	12.063	4.0	ng	102592	4	11.480	518221	20.0
4H-Cyclopenta[d...	12.098	19.0	ng	492083	4	11.480	518221	20.0
Anthracene, 9-m...	12.121	7.3	ng	188278	4	11.480	518221	20.0
Naphthalene, 2-...	12.280	6.3	ng	164106	4	11.480	518221	20.0
9,10-Anthracene...	12.304	4.5	ng	117931	4	11.480	518221	20.0
Phenanthrene, 3...	12.463	4.0	ng	104986	4	11.480	518221	20.0
9,10-Dimethylan...	12.533	11.7	ng	303077	4	11.480	518221	20.0
unknown12.574	12.574	7.5	ng	193703	4	11.480	518221	20.0
Cyclopenta(def)...	12.621	7.7	ng	199993	4	11.480	518221	20.0
Pyrene, 1-methyl-	13.151	4.8	ng	296808	5	14.133	1238570	20.0
11H-Benzo[a]flu...	13.257	5.1	ng	314747	5	14.133	1238570	20.0
Pyrene, 2-methyl-	13.363	4.1	ng	256481	5	14.133	1238570	20.0
Benzo[e]pyrene	15.527	34.3	ng	417632	6	15.656	243718	20.0