LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130437.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.546	243	248	258	rVB	35787	58138	2.03%	0.178%
2	4.822	461	465	474	rVB	151386	177208	6.17%	0.542%
3	5.251	534	538	551	rBV	1592447	1482297	51.64%	4.530%
4	6.287	710	714	730	rBV	1469574	1363829	47.51%	4.168%
5	6.645	771	775	778	rBV	572421	472684	16.47%	1.444%
6	7.210	866	871	874	rBV	1045083	867032	30.21%	2.650%
7	7.928	989	993	995	rBV	584457	523949	18.25%	1.601%
8	7.945	995	996	999	rVB	48049	28888	1.01%	0.088%
9	9.004	1171	1176	1179	rBV	1823125	1515425	52.80%	4.631%
10	9.533	1263	1266	1270	rBV	259699	217675	7.58%	0.665%
11	9.675	1284	1290	1293	rBV	656291	529235	18.44%	1.617%
12	9.704	1293	1295	1299	rVB	70328	63704	2.22%	0.195%
13	9.880	1321	1325	1329	rBV	53872	52368	1.82%	0.160%
14	10.057	1352	1355	1358	rBV	60996	46762	1.63%	0.143%
15	10.222	1380	1383	1389	rVB	85799	83691	2.92%	0.256%
16	10.463	1420	1424	1432	rBV	1064982	996785	34.73%	3.046%
17	10.586	1441	1445	1450	rVB3	43934	47579	1.66%	0.145%
18	10.769	1472	1476	1478	rBV2	28073	32473	1.13%	0.099%
19	10.963	1506	1509	1512	rVB	72667	62972	2.19%	0.192%
20	11.004	1512	1516	1519	rVV2	24140	32435	1.13%	0.099%
21	11.051	1522	1524	1530	rVB	71047	65878	2.30%	0.201%
22	11.157	1538	1542	1543	rBV	565574	521395	18.16%	1.593%
23	11.180	1543	1546	1549	rVV	1194145	934912	32.57%	2.857%
24	11.227	1549	1554	1557	rVV	310631	263029	9.16%	0.804%
25	11.263	1557	1560	1564	rVV2	38880	41055	1.43%	0.125%
26	11.386	1575	1581	1590	rBV2	130030	167191	5.82%	0.511%
27	11.457	1590	1593	1595	rBV2	40579	38126	1.33%	0.117%
28	11.486	1595	1598	1603	rVV3	35524	35697	1.24%	0.109%
29	11.657	1623	1627	1629	rBV	158410	134604	4.69%	0.411%
30	11.686	1629	1632	1637	rVV2	219254	296608	10.33%	0.906%
31	11.727	1637	1639	1642	rVB	90439	73638	2.57%	0.225%
32	11.763	1642	1645	1648	rBV	258193	274453	9.56%	0.839%
33	11.786	1648	1649	1653	rVB	108247	78391	2.73%	0.240%
34	11.951	1674	1677	1679	rBV	118865	91746	3.20%	0.280%
35	11.974	1679	1681	1688	rVB	224930	181845	6.34%	0.556%
36	12.098	1697	1702	1705	rBV3	46238	60550	2.11%	0.185%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.157	1709	1712	1714	rVB	32806	31262	1.09%	0.096%
38	12.204	1716	1720	1723	rBV2	119653	146009	5.09%	0.446%
39	12.239	1724	1726	1728	rVV	42438	34602	1.21%	0.106%
40	12.286	1732	1734	1739	rBV	166337	165006	5.75%	0.504%
41	12.369	1743	1748	1751	rBV	2479827	2132593	74.30%	6.517%
42	12.427	1751	1758	1761	rBV3	53475	85456	2.98%	0.261%
43	12.457	1761	1763	1765	rBV	150599	110454	3.85%	0.338%
44	12.480	1765	1767	1769	rBV2	54097	51520	1.79%	0.157%
45	12.598	1780	1787	1790	rBV	1957087	2142176	74.63%	6.546%
46	12.639	1792	1794	1799	rVB2	91200	100844	3.51%	0.308%
47	12.710	1803	1806	1808	rBV	127498	122948	4.28%	0.376%
48	12.739	1808	1811	1818	rVB	2003824	1916909	66.78%	5.858%
49	12.816	1818	1824	1826	rBV2	136644	219565	7.65%	0.671%
50	12.845	1826	1829	1832	rBV2	50041	44386	1.55%	0.136%
51	12.898	1835	1838	1839	rBV2	121355	135146	4.71%	0.413%
52	12.921	1839	1842	1845	rVB	240948	247912	8.64%	0.758%
53	12.957	1845	1848	1850	rBV3	42535	55807	1.94%	0.171%
54	12.986	1850	1853	1855	rBV	167167	132588	4.62%	0.405%
55	13.021	1855	1859	1862	rBV	261403	260793	9.09%	0.797%
56	13.080	1867	1869	1871	rBV	40663	38131	1.33%	0.117%
57	13.116	1872	1875	1877	rVB	123087	104194	3.63%	0.318%
58	13.145	1877	1880	1887	rBV2	135897	196763	6.86%	0.601%
59	13.221	1891	1893	1899	rVB5	65876	81673	2.85%	0.250%
60	13.427	1925	1928	1933	rVB	278164	274833	9.57%	0.840%
61	13.533	1942	1946	1949	rBV2	291334	326320	11.37%	0.997%
62	13.563	1949	1951	1953	rVV	176240	150794	5.25%	0.461%
63	13.586	1953	1955	1957	rVV	191515	184886	6.44%	0.565%
64	13.633	1961	1963	1966	rVB	256547	201459	7.02%	0.616%
65	13.780	1982	1988	1992	rBV2	2066690	2870343	100.00%	8.772%
66	13.815	1992	1994	1997	rVB	1226618	933615	32.53%	2.853%
67	13.892	2004	2007	2009	rBV	175403	126614	4.41%	0.387%
68	13.933	2011	2014	2016	rBV	164328	134755	4.69%	0.412%
69	14.021	2027	2029	2031	rVB	107761	82387	2.87%	0.252%
70	14.045	2031	2033	2035	rBV	66866	45883	1.60%	0.140%
71	14.174	2052	2055	2058	rVB	251066	223102	7.77%	0.682%
72	14.210	2058	2061	2064	rBV2	147171	149082	5.19%	0.456%
73	14.268	2068	2071	2073	rVB3	94005	86170	3.00%	0.263%
74	14.298	2073	2076	2078	rBV3	120936	119885	4.18%	0.366%
75	14.474	2104	2106	2109	rBV4	79118	81071	2.82%	0.248%
76	14.798	2156	2161	2163	rBV	1287130	1729804	60.26%	5.286%

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.892	2174	2177	2180	rVB	254575	247707	8.63%	0.757%
78	15.068	2203	2207	2212	rVB	693373	851426	29.66%	2.602%
79	15.127	2212	2217	2222	rVB	996873	1106731	38.56%	3.382%
80	15.180	2222	2226	2229	rBV	425001	538030	18.74%	1.644%
81	15.210	2229	2231	2237	rVB2	307347	326138	11.36%	0.997%
82	16.504	2445	2451	2458	rVB2	422505	753412	26.25%	2.302%
83	16.709	2483	2486	2491	rVB2	82569	115275	4.02%	0.352%
84	16.898	2513	2518	2528	rVB	322944	592351	20.64%	1.810%

Sum of corrected areas: 32723057

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
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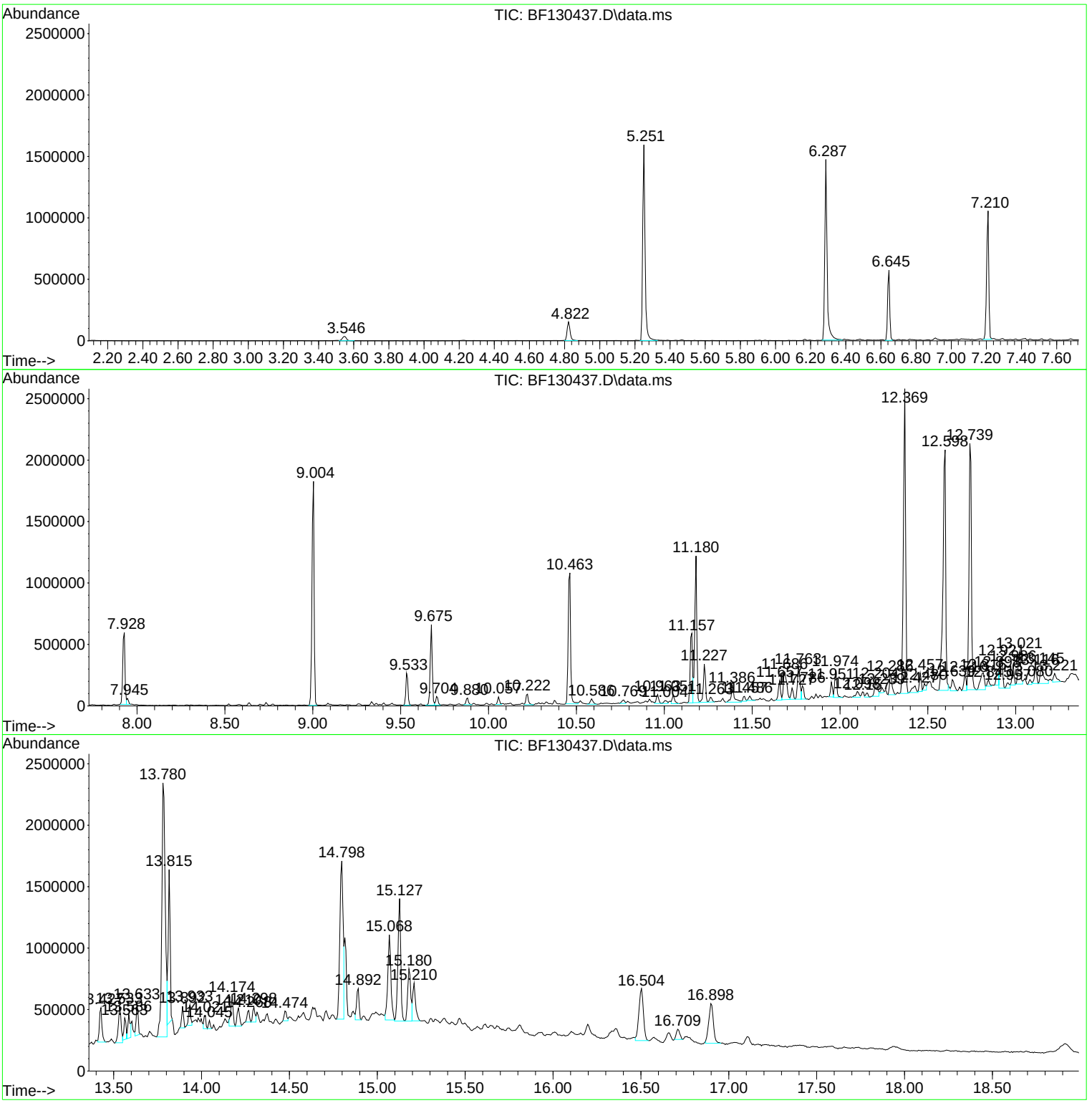
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

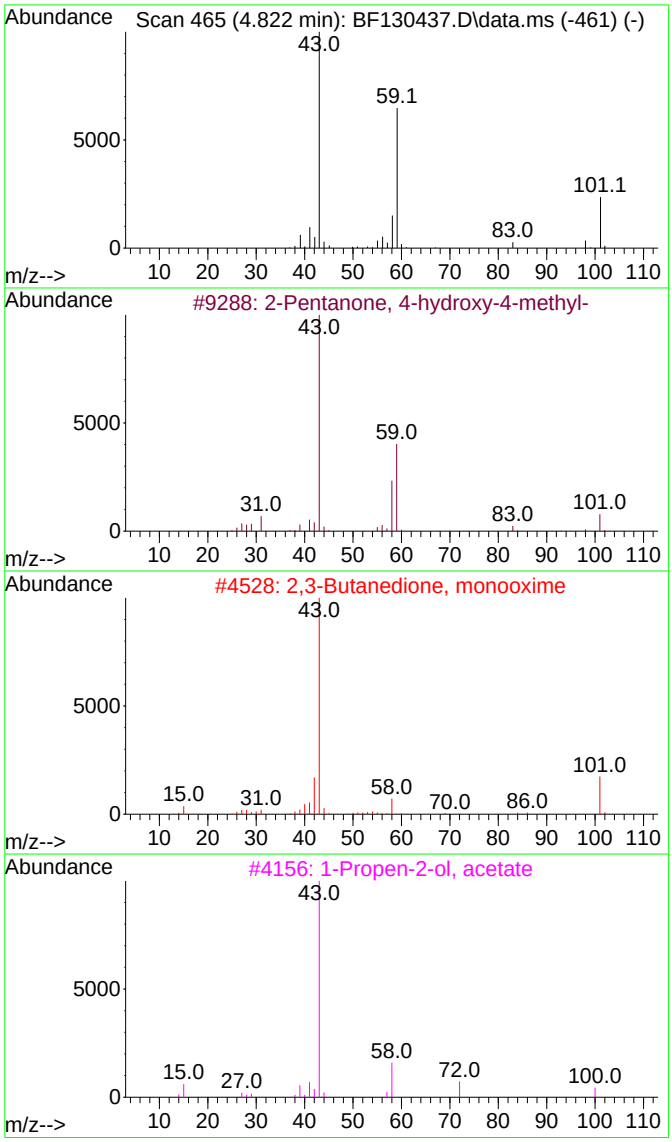
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

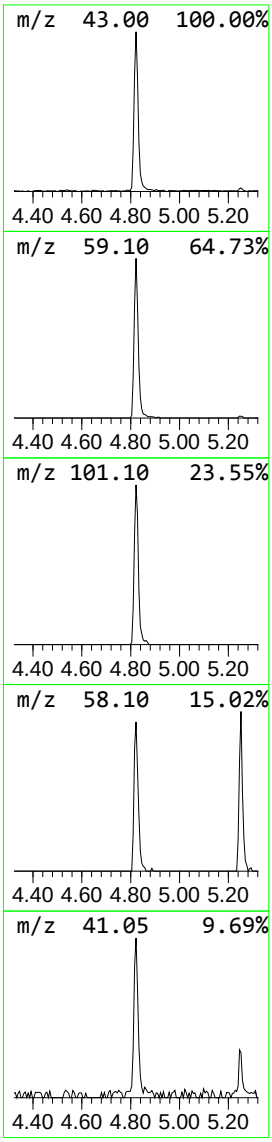
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.822	7.50 ng	177208	1,4-Dichlorobenzene-d4	6.645

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Hexanamide	115	C6H13NO	000628-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

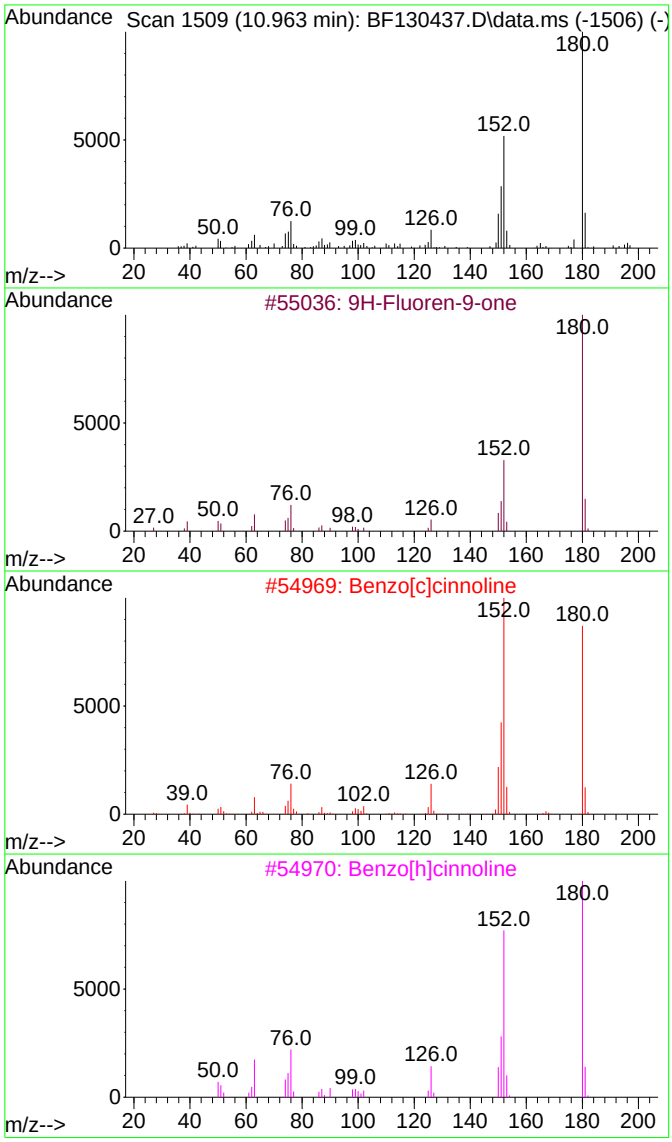
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

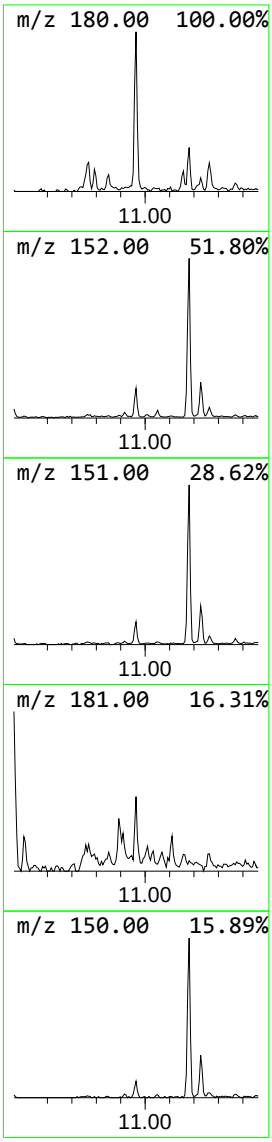
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	2.42 ng	62972	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

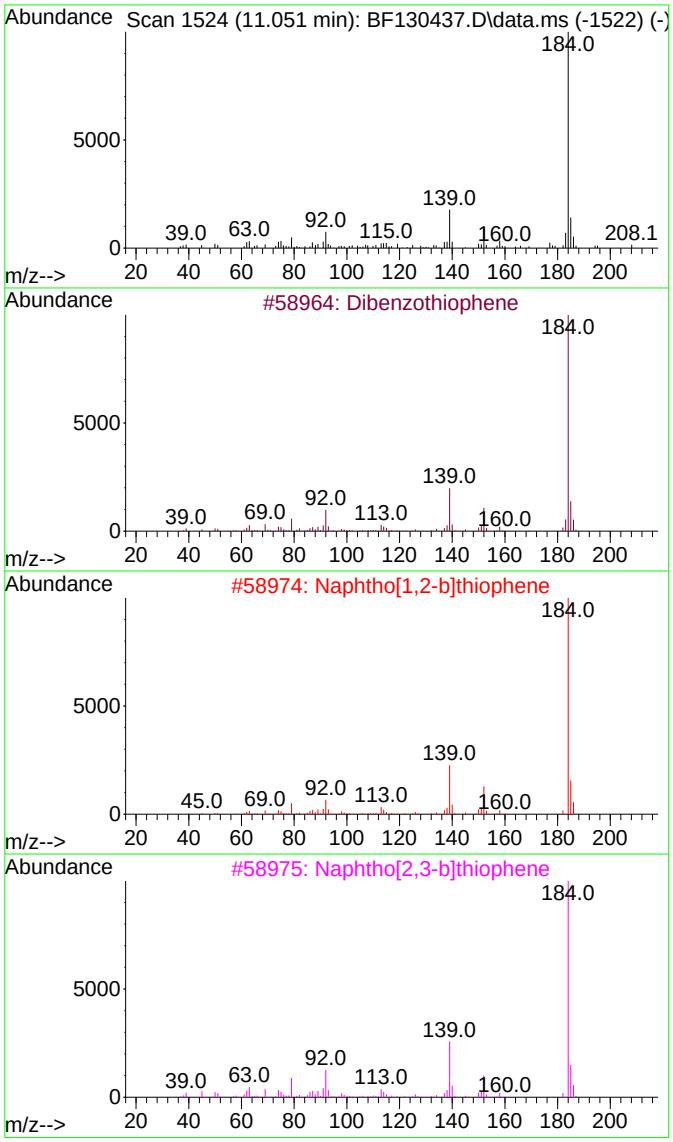
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

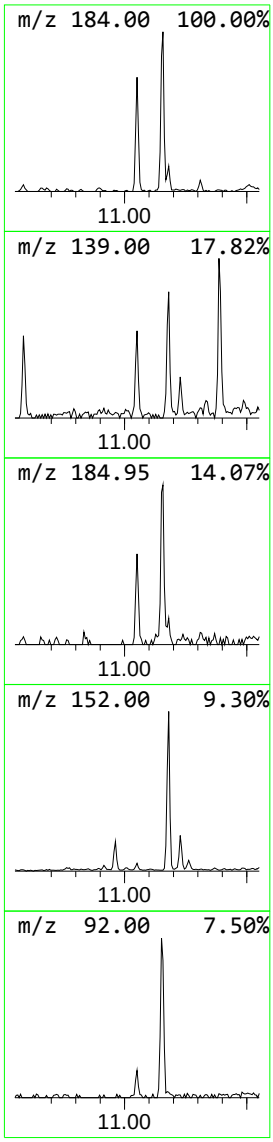
****

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.051	2.53 ng	65878	Phenanthrene-d10	11.157

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	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

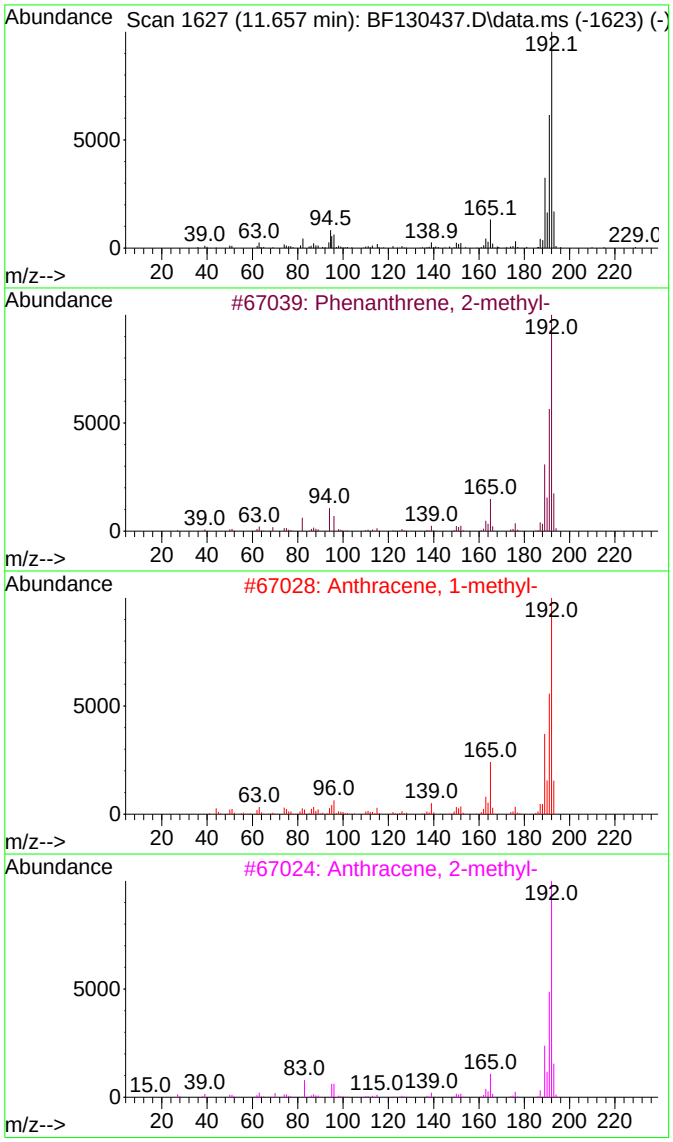
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

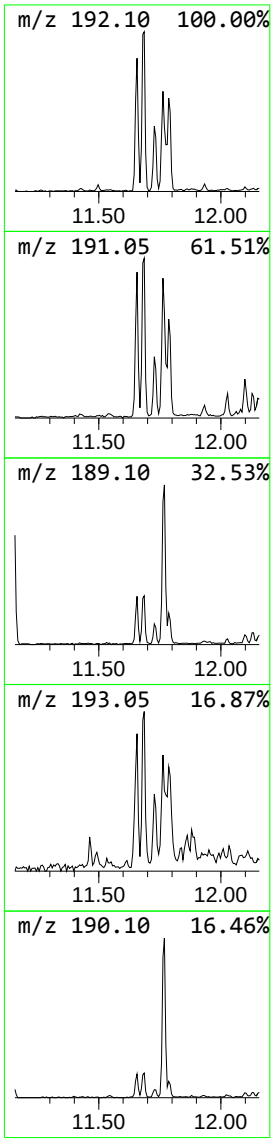
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.657	5.16 ng	134604	Phenanthrene-d10	11.157

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

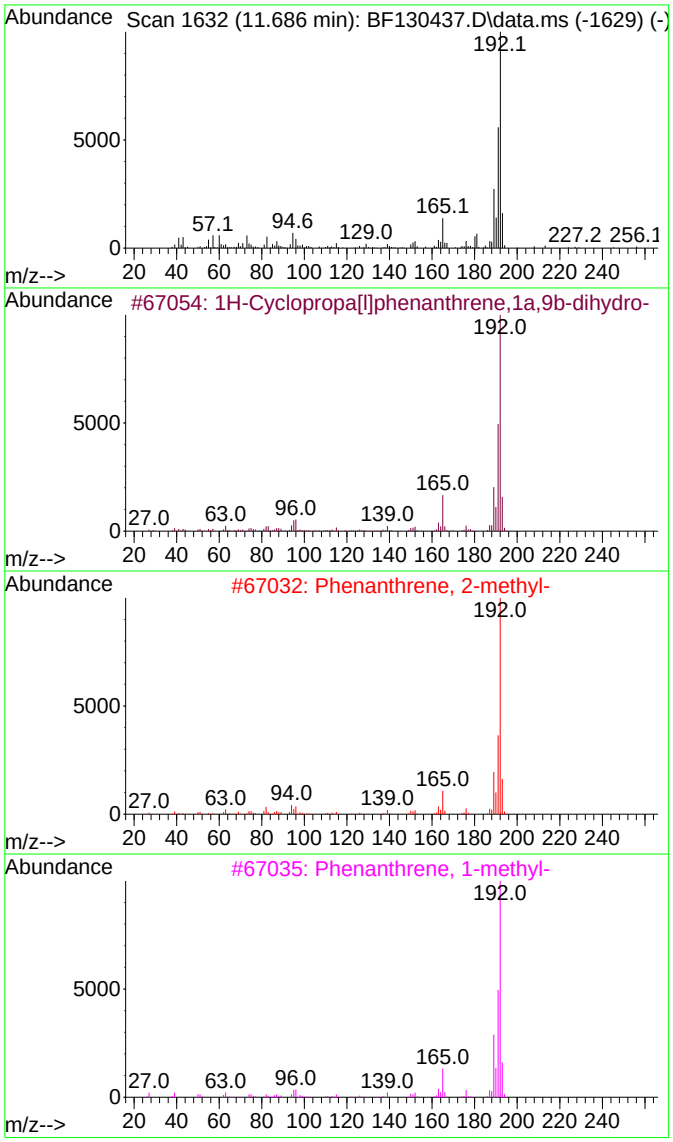
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

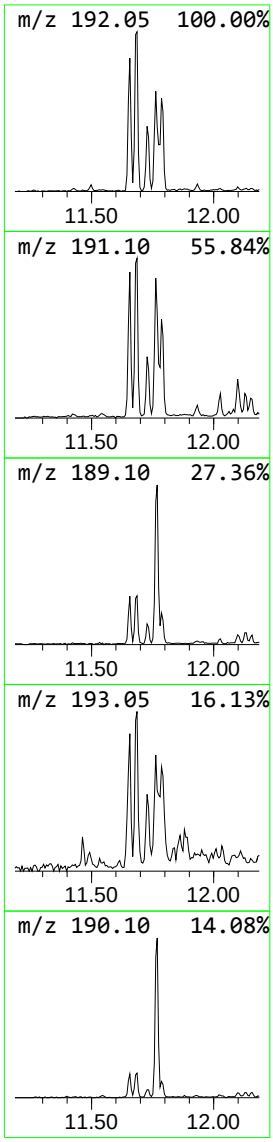
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	11.38 ng	296608	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

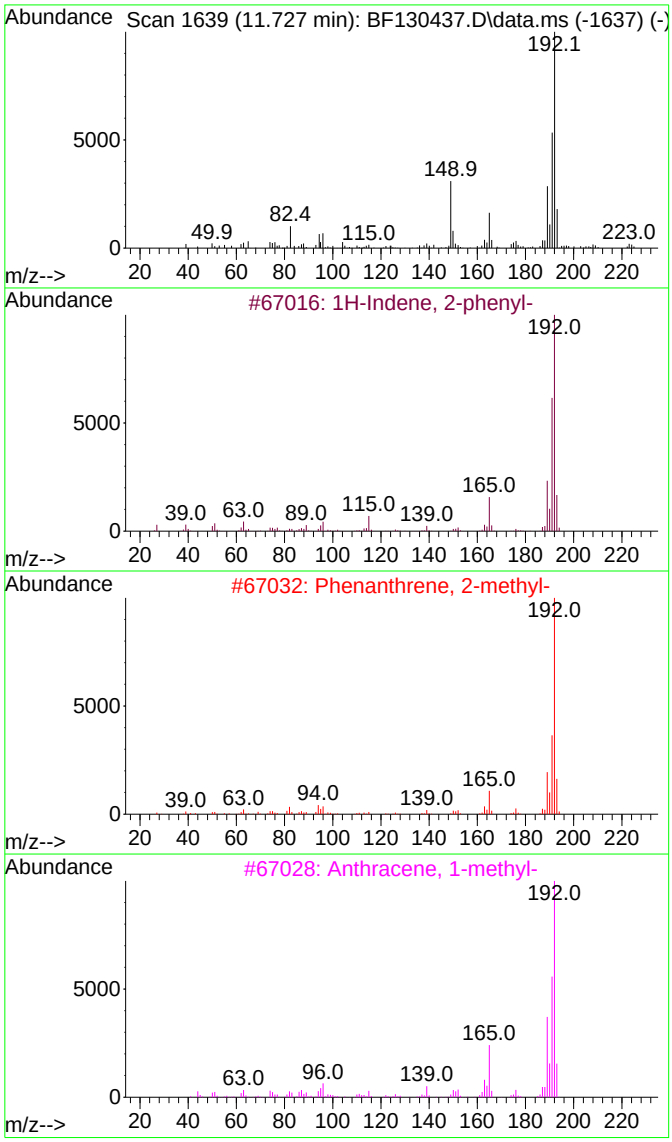
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

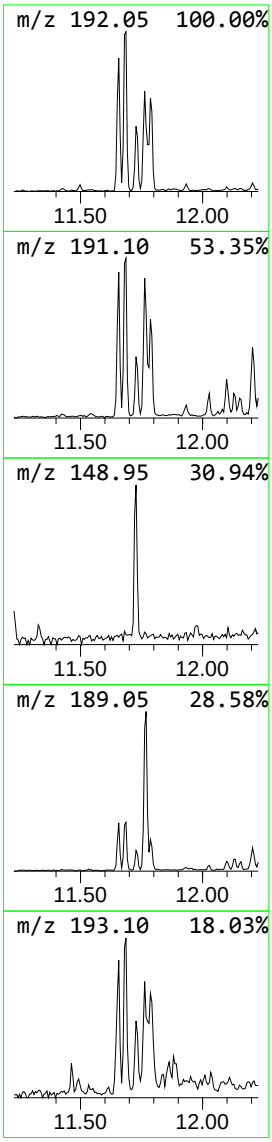
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.727	2.82 ng	73638	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	89





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Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

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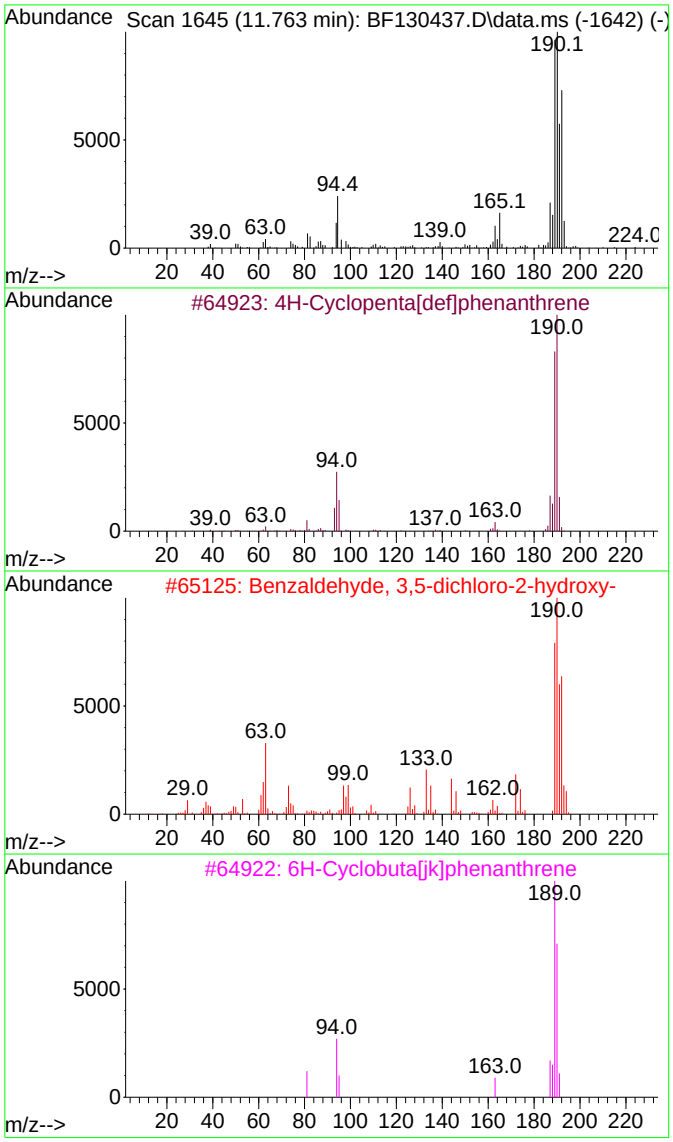
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

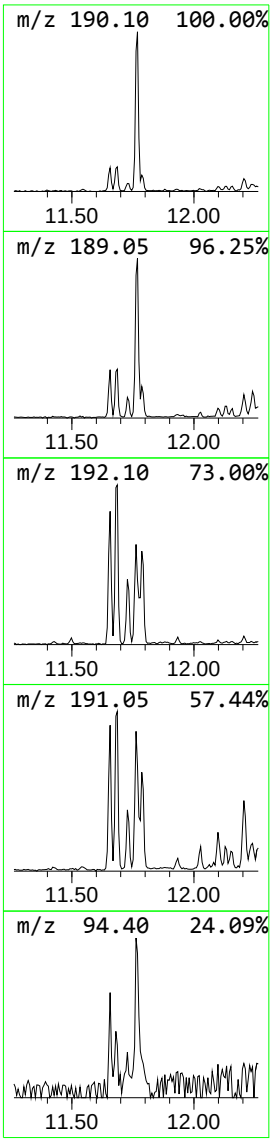
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	10.53 ng	274453	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	35





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Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SASP2-T-1-(0-6)

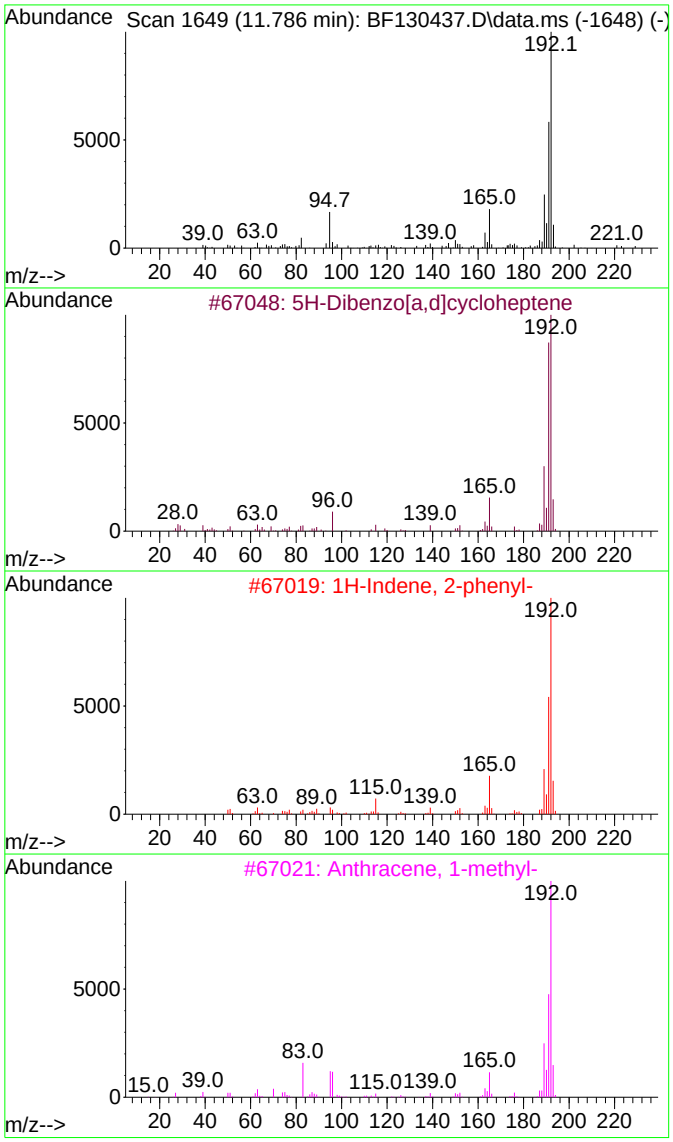
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

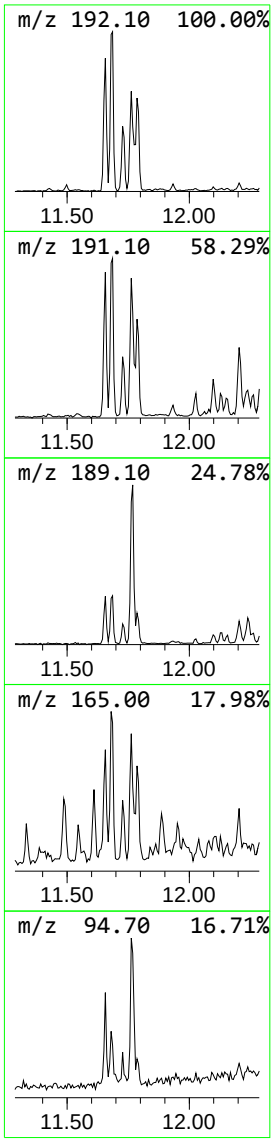
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5H-Dibenzo[a,d]cycloheptene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	3.01 ng	78391	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74





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Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

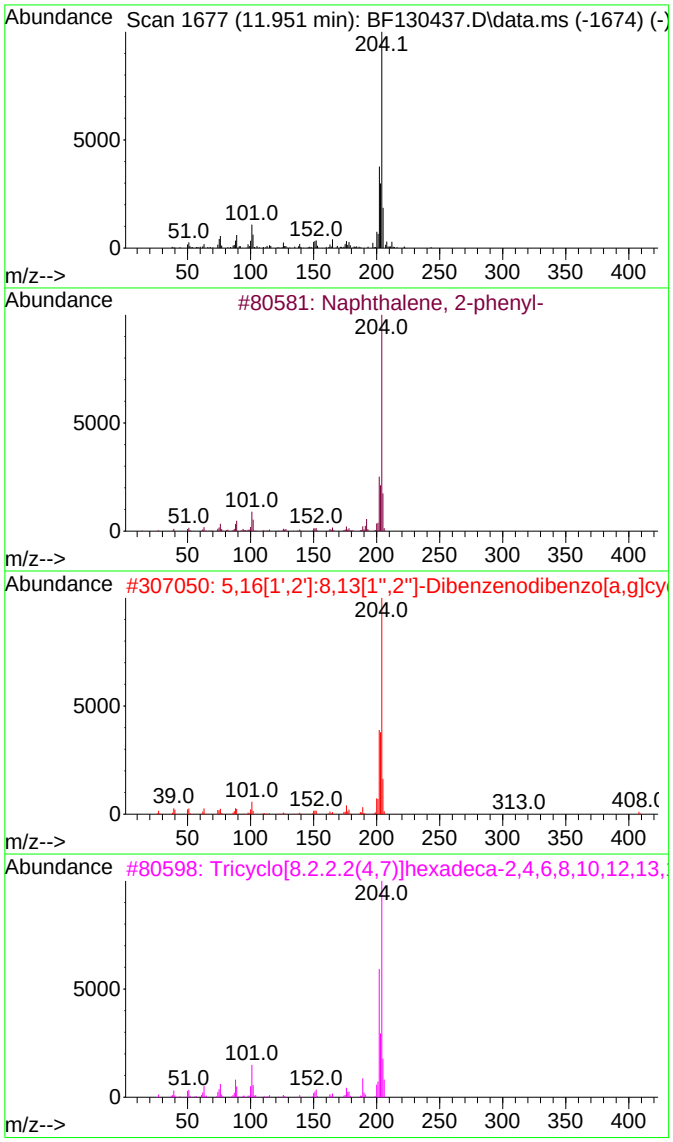
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

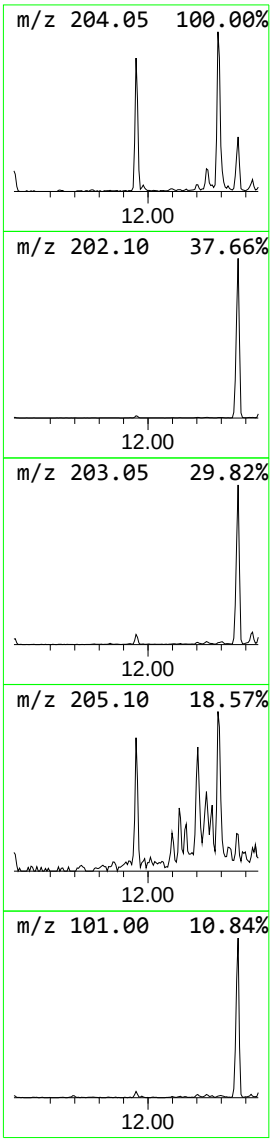
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	3.52 ng	91746	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52





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Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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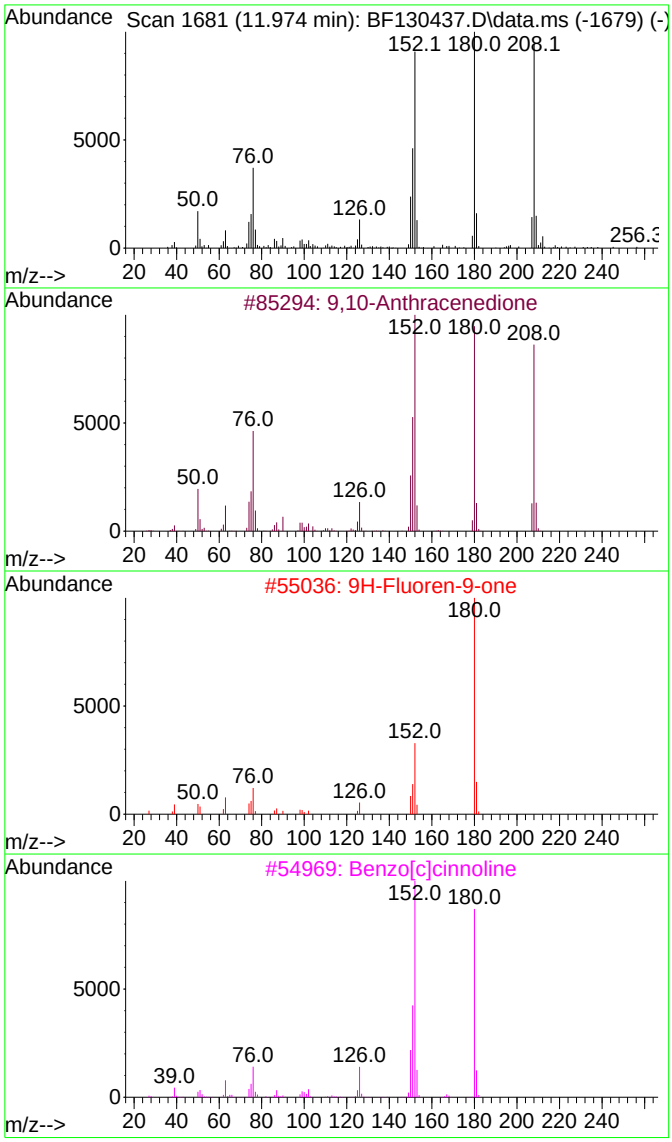
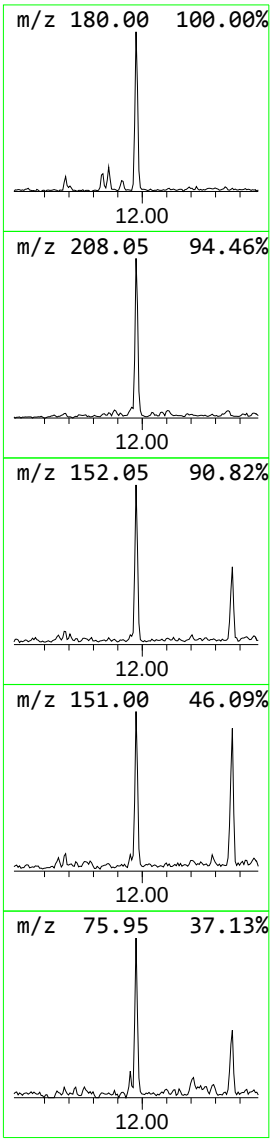
Peak Number 11 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	6.98 ng	181845	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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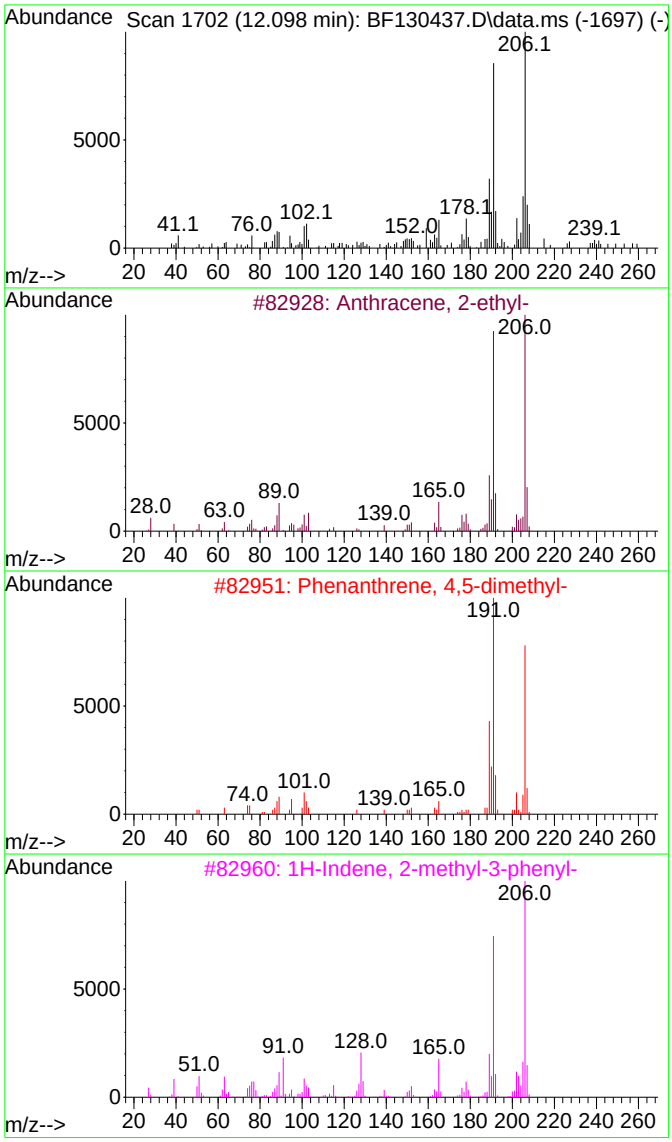
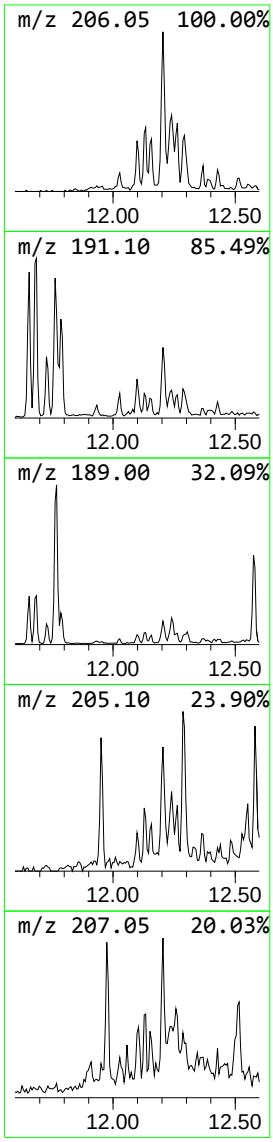
Peak Number 12 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	2.32 ng	60550	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

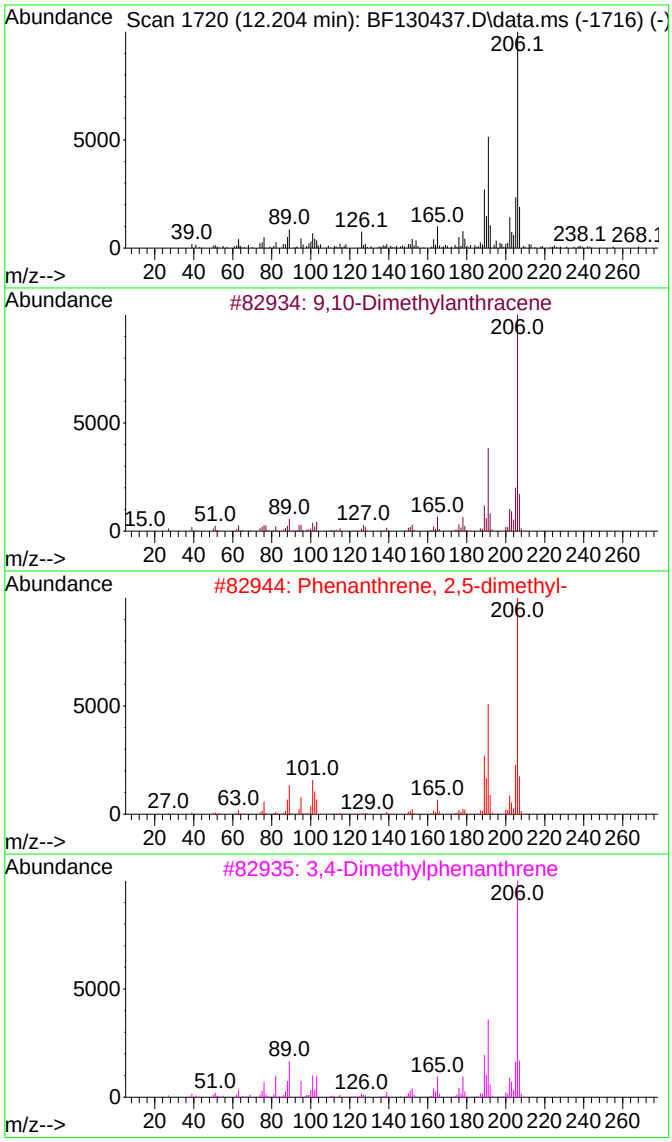
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

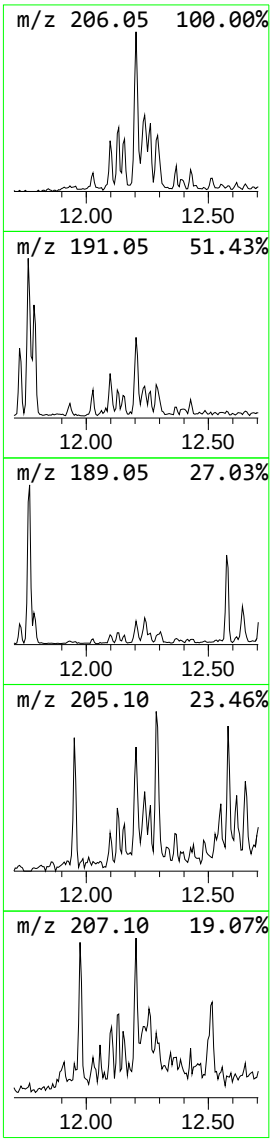
****

Peak Number 13 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	5.60 ng	146009	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91





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Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

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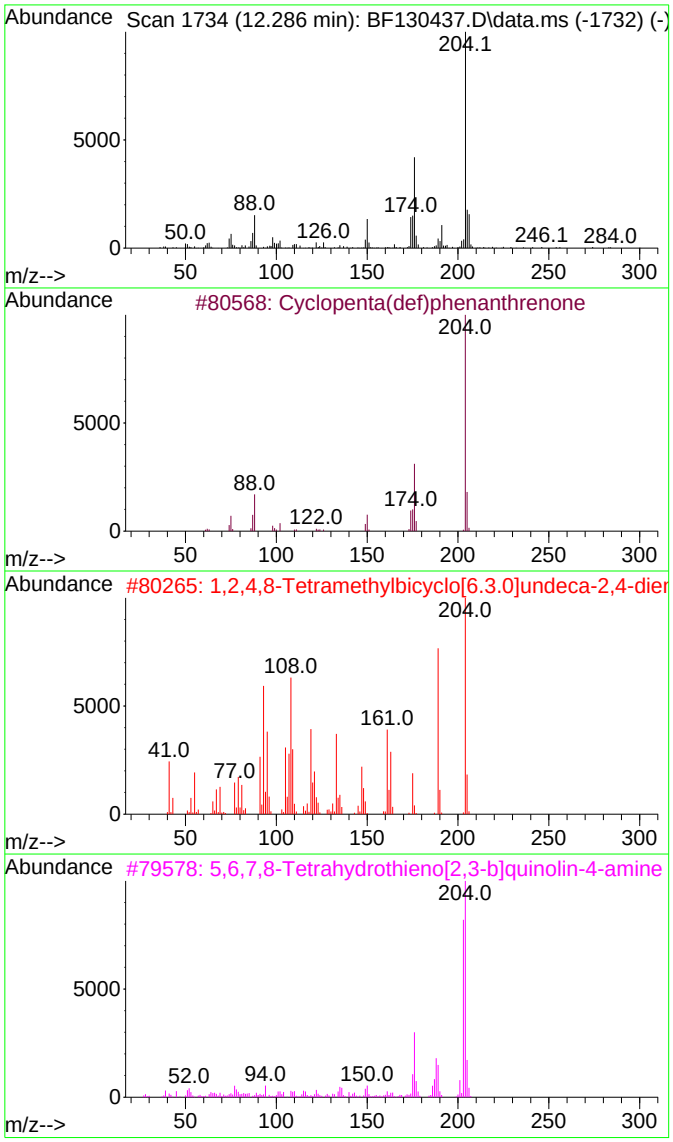
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

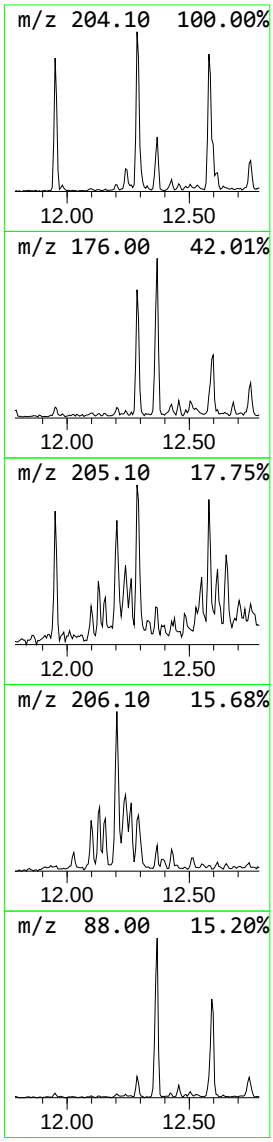
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	6.33 ng	165006	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	45
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
5	.alpha.-L-Galactopyranoside, met...	394	C16H38O5Si3	056271-60-4	43





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Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

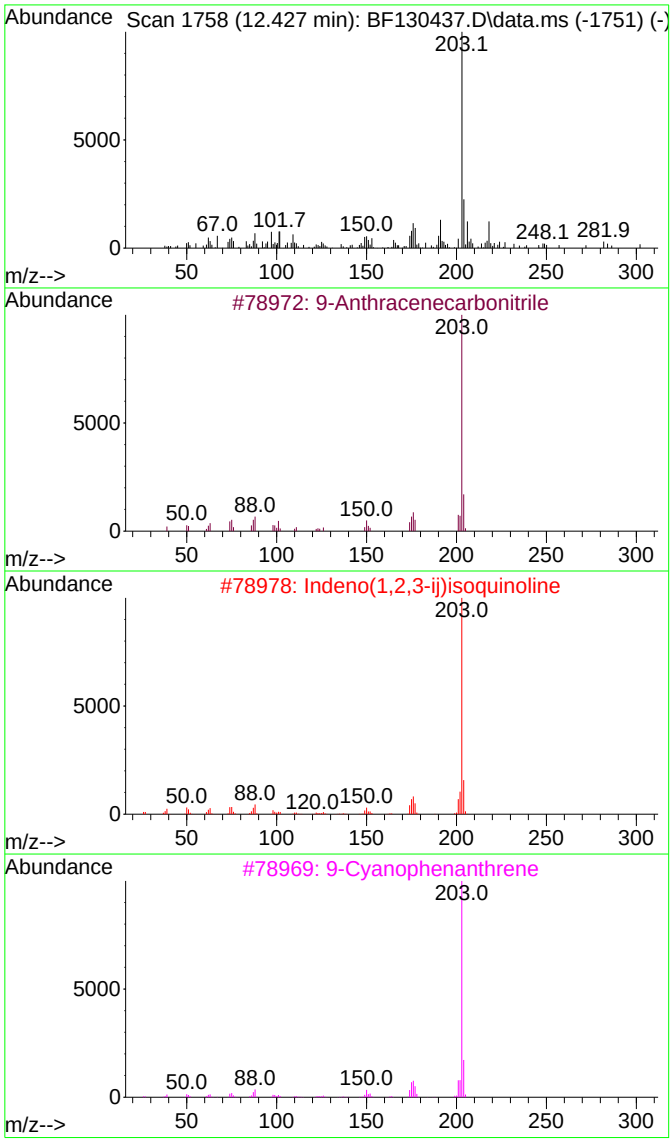
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

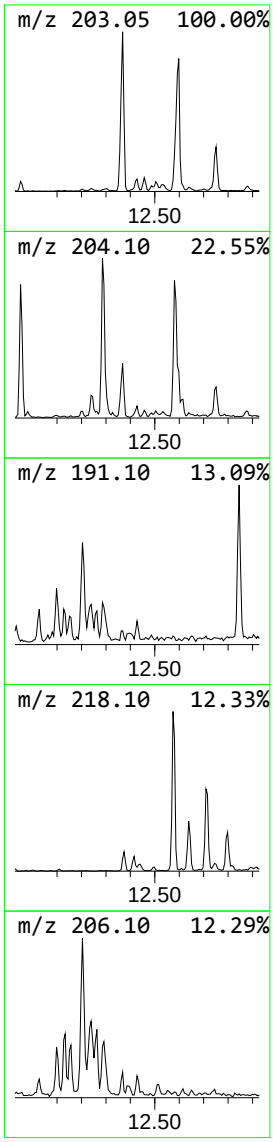
****

Peak Number 15 9-Anthracenecarbonitrile Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.28 ng	85456	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	89
2	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	76
3	9-Cyanophenanthrene	203	C15H9N	002510-55-6	76
4	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	64
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	62





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Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

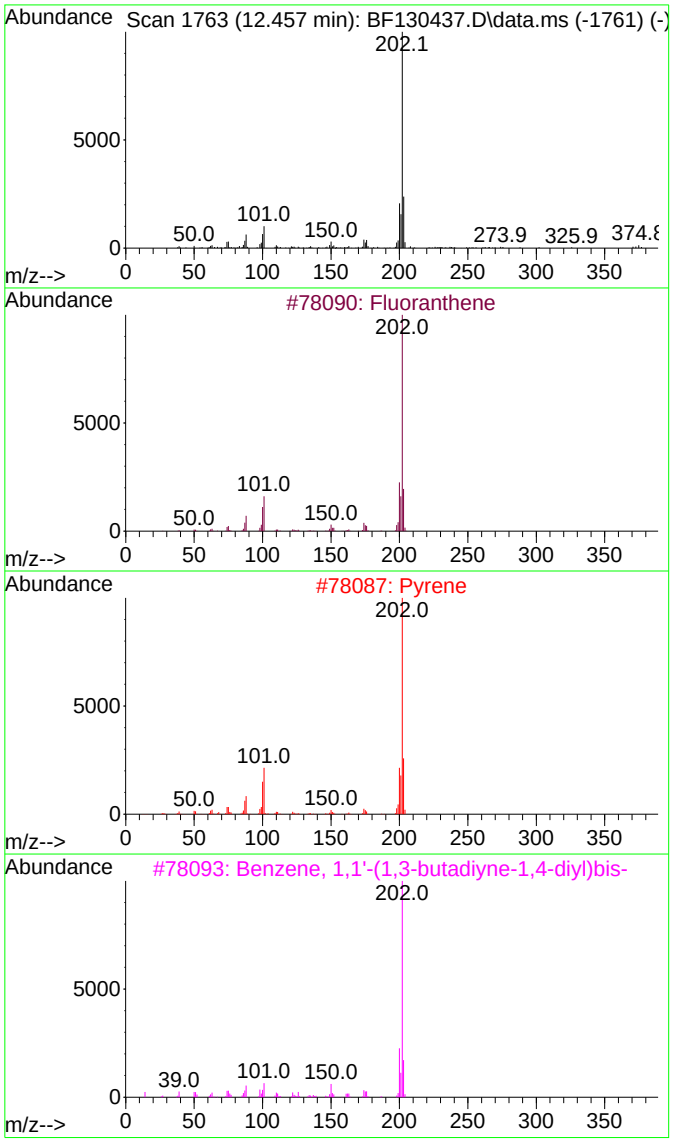
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

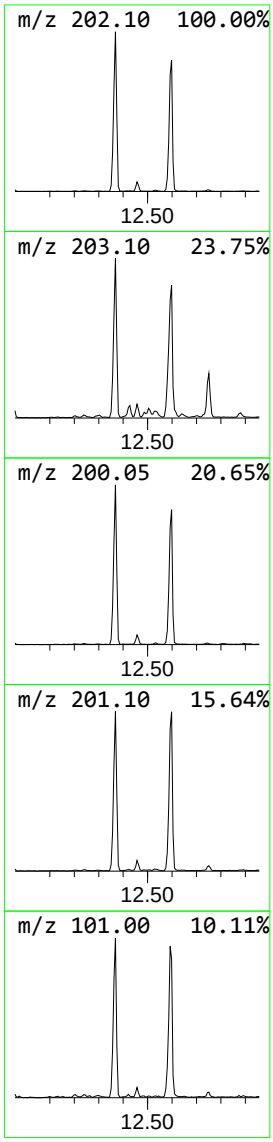
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	4.24 ng	110454	Phenanthrene-d10	11.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	86
2	Pyrene	202	C16H10	000129-00-0	81
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
4	Anthracene, 9-(2-nitroethenyl)-	249	C16H11NO2	058349-77-2	56
5	Methyl 3-indolepropionate, TMS d...	275	C15H21NO2Si	056196-72-6	50





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ClientSampleId :
SASP2-T-1-(0-6)

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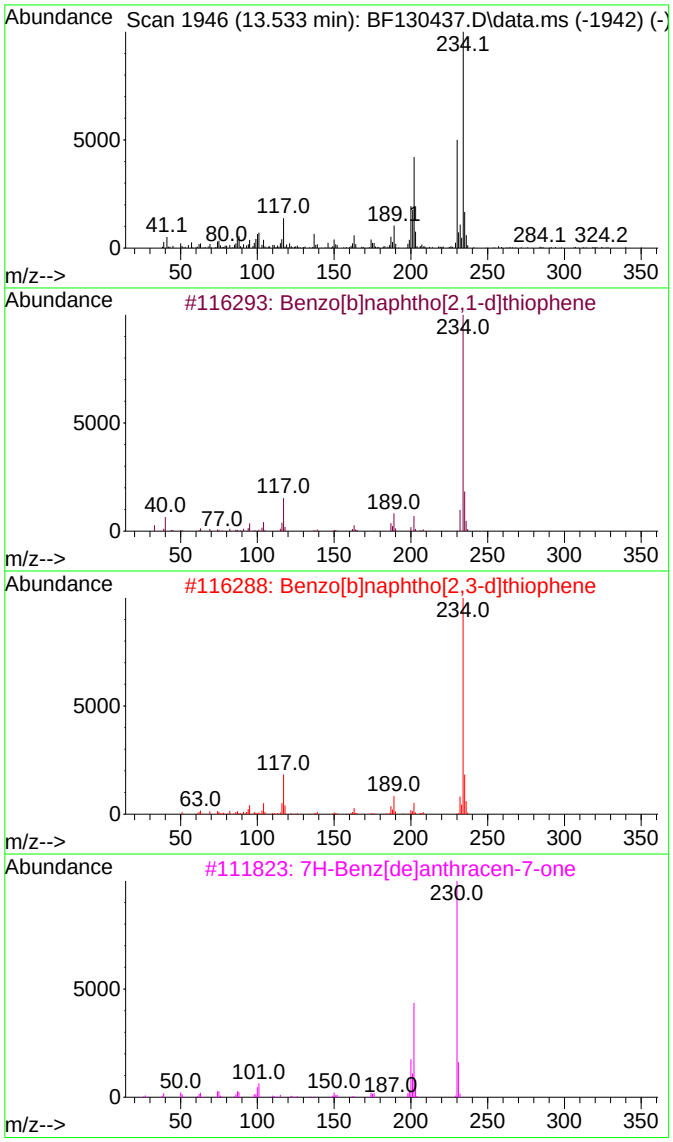
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

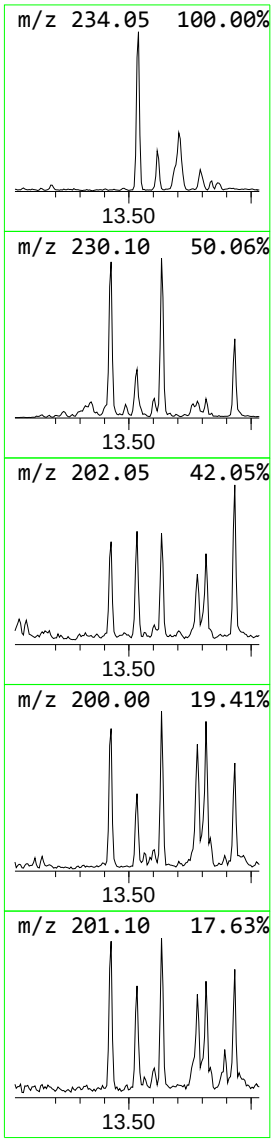
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.533	2.27 ng	326320	Chrysene-d12	13.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	43
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	42





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Sample : N4782-01
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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
SASP2-T-1-(0-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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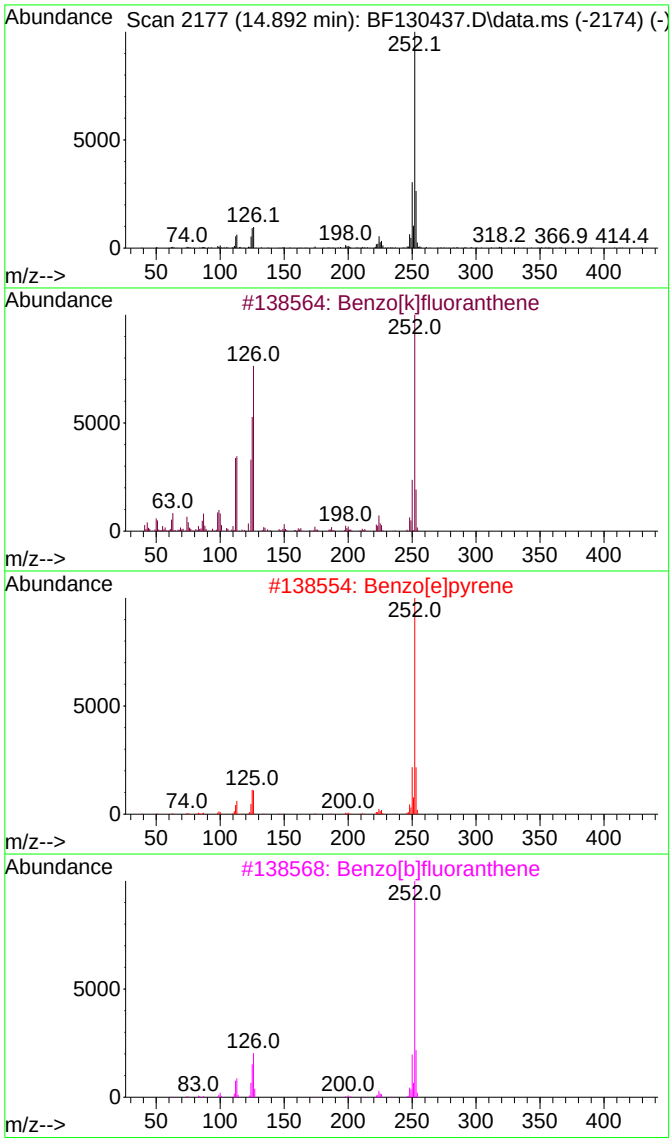
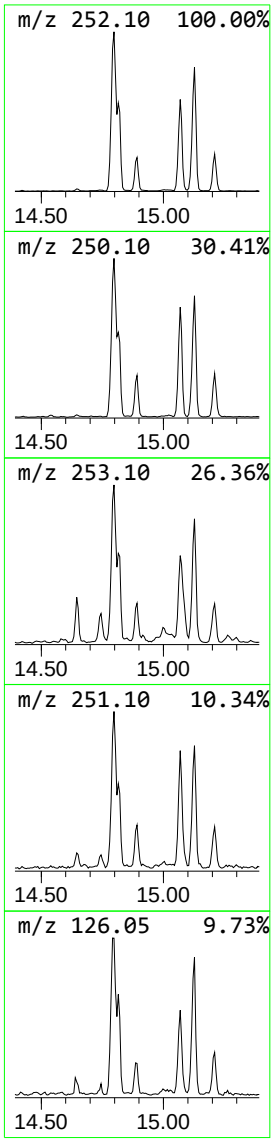
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	9.21 ng	247707	Perylene-d12	15.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	86





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Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

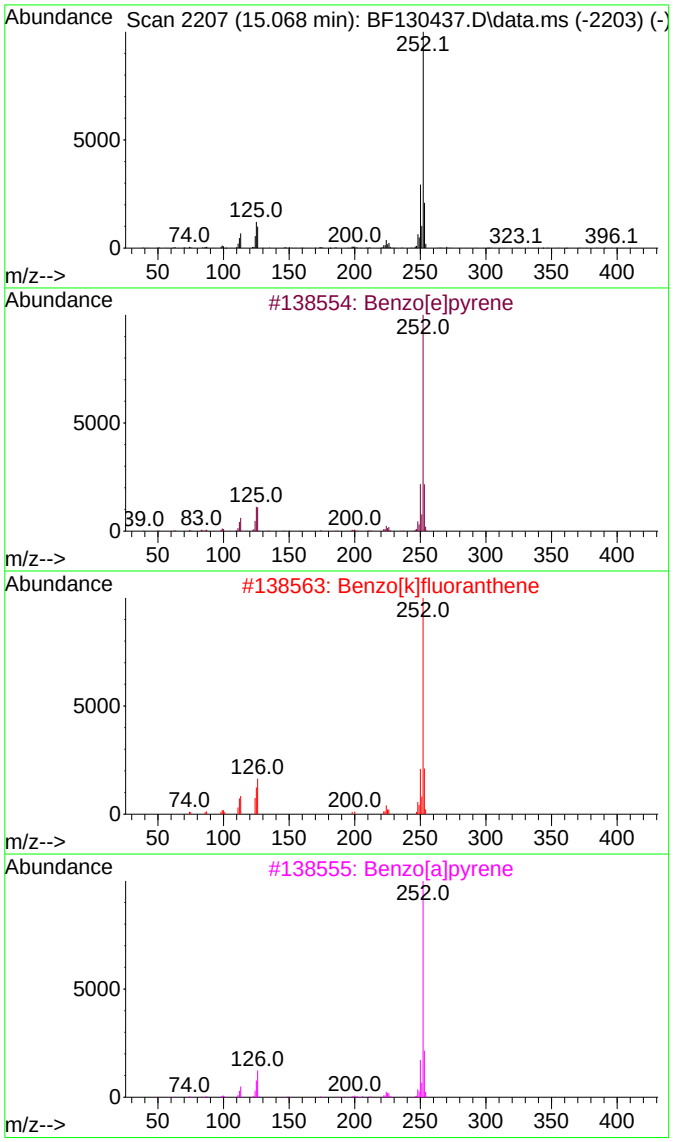
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

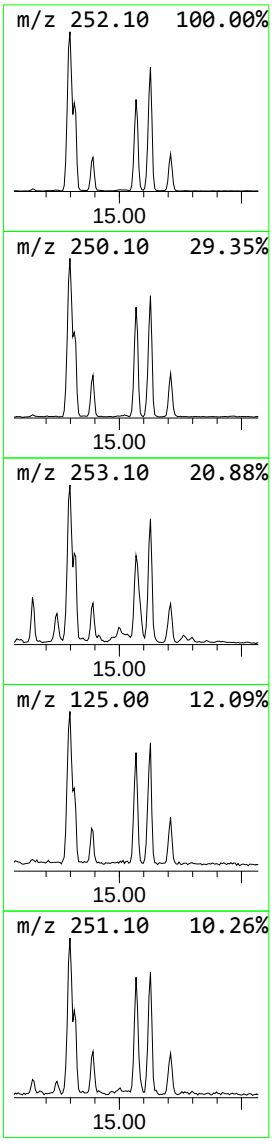
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.068	31.65 ng	851426	Perylene-d12	15.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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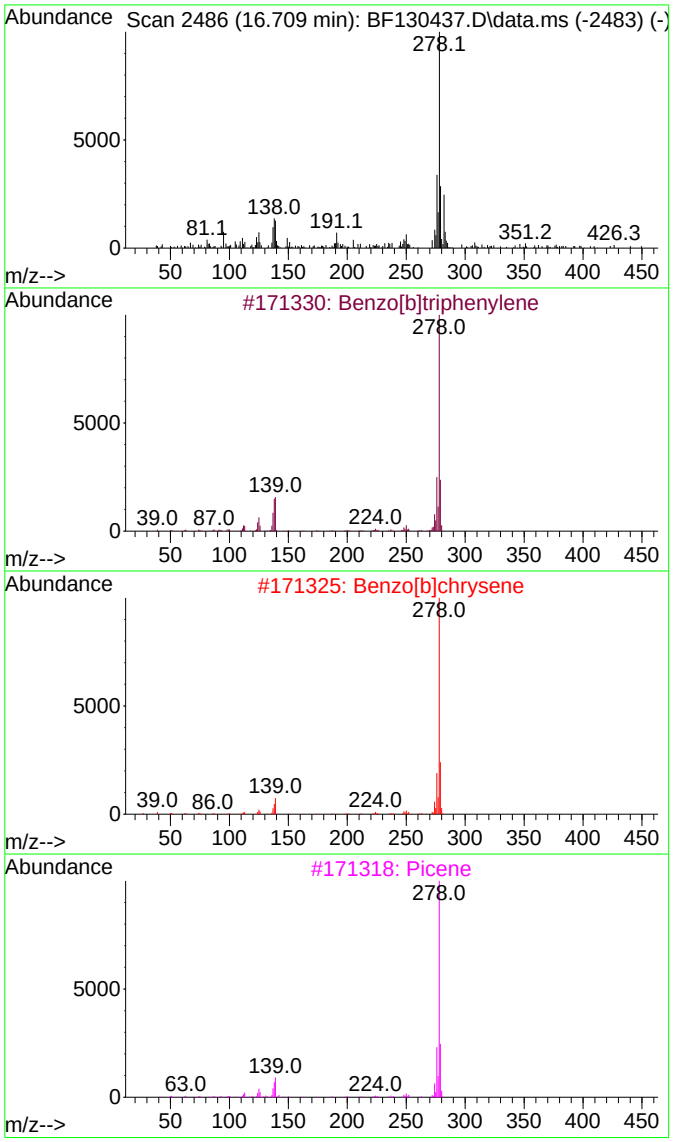
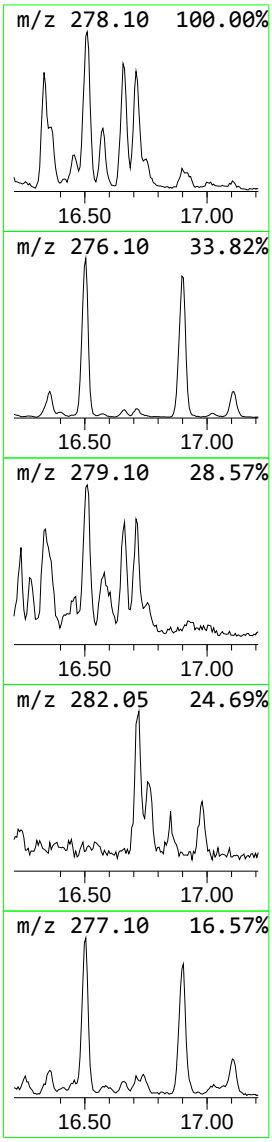
Peak Number 20 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.709	4.29 ng	115275	Perylene-d12	15.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
2	Benzo[b]chrysene	278	C22H14	000214-17-5	64
3	Picene	278	C22H14	000213-46-7	64
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
5	Pentaphene	278	C22H14	000222-93-5	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130437.D
Acq On : 27 Sep 2022 22:05
Operator : CG\JU
Sample : N4782-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.822	7.5	ng	177208	1	6.645	472684	20.0
9H-Fluoren-9-one	10.963	2.4	ng	62972	4	11.157	521395	20.0
Dibenzothiophene	11.051	2.5	ng	65878	4	11.157	521395	20.0
Phenanthrene, 2...	11.657	5.2	ng	134604	4	11.157	521395	20.0
1H-Cyclopropa[l...	11.686	11.4	ng	296608	4	11.157	521395	20.0
1H-Indene, 2-ph...	11.727	2.8	ng	73638	4	11.157	521395	20.0
4H-Cyclopenta[d...	11.763	10.5	ng	274453	4	11.157	521395	20.0
5H-Dibenzo[a,d]...	11.786	3.0	ng	78391	4	11.157	521395	20.0
Naphthalene, 2-...	11.951	3.5	ng	91746	4	11.157	521395	20.0
9,10-Anthracene...	11.974	7.0	ng	181845	4	11.157	521395	20.0
Anthracene, 2-e...	12.098	2.3	ng	60550	4	11.157	521395	20.0
9,10-Dimethylan...	12.204	5.6	ng	146009	4	11.157	521395	20.0
Cyclopenta(def)...	12.286	6.3	ng	165006	4	11.157	521395	20.0
9-Anthracenecar...	12.427	3.3	ng	85456	4	11.157	521395	20.0
Benzene, 1,1'-(...	12.457	4.2	ng	110454	4	11.157	521395	20.0
Benzo[b]naphtho...	13.533	2.3	ng	326320	5	13.792	2870340	20.0
Benzo[e]pyrene	14.892	9.2	ng	247707	6	15.180	538030	20.0
Perylene	15.068	31.6	ng	851426	6	15.180	538030	20.0
Benzo[b]triphen...	16.709	4.3	ng	115275	6	15.180	538030	20.0