LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

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-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138323.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	10	18	23	rVB	2612269	3416785	100.00%	7.022%
2	3.410	223	225	241	rBV	20517	59013	1.73%	0.121%
3	5.075	503	508	510	rBV	38140	39717	1.16%	0.082%
4	5.110	510	514	520	rVB	174311	205544	6.02%	0.422%
5	5.510	577	582	585	rBV	3577733	3206917	93.86%	6.591%
6	6.516	748	753	756	rBV	3311243	2957455	86.56%	6.078%
7	6.710	783	786	790	rBV2	36825	42716	1.25%	0.088%
8	6.886	812	816	819	rBV	1475428	1106911	32.40%	2.275%
9	7.445	900	911	914	rBV	2201228	1892469	55.39%	3.889%
10	8.169	1030	1034	1036	rBV	1488143	1254605	36.72%	2.578%
11	8.186	1036	1037	1041	rVB	163350	100263	2.93%	0.206%
12	8.475	1083	1086	1090	rBV	59037	48706	1.43%	0.100%
13	8.880	1152	1155	1158	rBV	79859	63182	1.85%	0.130%
14	8.975	1167	1171	1175	rBV	70748	69750	2.04%	0.143%
15	9.239	1212	1216	1219	rBV	3509478	2801010	81.98%	5.756%
16	9.510	1257	1262	1265	rBV3	37680	52420	1.53%	0.108%
17	9.574	1270	1273	1276	rVV	59823	59452	1.74%	0.122%
18	9.639	1280	1284	1286	rBV3	49953	57589	1.69%	0.118%
19	9.780	1305	1308	1312	rVB	160516	131816	3.86%	0.271%
20	9.922	1325	1332	1335	rBV	1570794	1260810	36.90%	2.591%
21	9.951	1335	1337	1341	rVV	372937	288032	8.43%	0.592%
22	10.016	1344	1348	1354	rVB	307456	390864	11.44%	0.803%
23	10.074	1354	1358	1362	rBV5	44963	57055	1.67%	0.117%
24	10.122	1362	1366	1370	rVB2	155355	164168	4.80%	0.337%
25	10.163	1370	1373	1378	rVB3	39313	47150	1.38%	0.097%
26	10.239	1382	1386	1388	rBV	57280	72223	2.11%	0.148%
27	10.327	1397	1401	1402	rBV3	50126	52286	1.53%	0.107%
28	10.345	1402	1404	1407	rVB	70766	57443	1.68%	0.118%
29	10.469	1422	1425	1430	rVB	289194	246631	7.22%	0.507%
30	10.621	1449	1451	1455	rVB2	71119	70071	2.05%	0.144%
31	10.710	1462	1466	1469	rBV	2146598	1799029	52.65%	3.697%
32	10.833	1482	1487	1494	rVB	221256	258141	7.56%	0.531%
33	11.016	1516	1518	1521	rVB3	53136	40450	1.18%	0.083%
34	11.045	1521	1523	1526	rVV3	51294	44806	1.31%	0.092%
35	11.098	1530	1532	1535	rVB	53220	43104	1.26%	0.089%
36	11.163	1541	1543	1548	rVB3	48844	54284	1.59%	0.112%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

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-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.210	1549	1551	1555	rVB2	79139	69178	2.02%	0.142%
38	11.269	1556	1561	1564	rVV3	88805	123091	3.60%	0.253%
39	11.304	1564	1567	1572	rVB2	211005	230296	6.74%	0.473%
40	11.410	1581	1585	1587	rBV	1463080	1334922	39.07%	2.743%
41	11.433	1587	1589	1592	rVV	1925045	1415766	41.44%	2.910%
42	11.480	1595	1597	1600	rVB	468487	380378	11.13%	0.782%
43	11.516	1600	1603	1606	rBV2	85586	95317	2.79%	0.196%
44	11.616	1617	1620	1621	rBV3	34308	38060	1.11%	0.078%
45	11.639	1621	1624	1629	rVV	158309	210441	6.16%	0.432%
46	11.698	1632	1634	1637	rVV2	100037	100675	2.95%	0.207%
47	11.739	1639	1641	1647	rVB2	69888	76688	2.24%	0.158%
48	11.910	1667	1670	1672	rBV	274919	227722	6.66%	0.468%
49	11.933	1672	1674	1678	rVV2	579350	537246	15.72%	1.104%
50	11.986	1680	1683	1685	rVV	153033	138302	4.05%	0.284%
51	12.021	1685	1689	1691	rVV2	533949	544186	15.93%	1.118%
52	12.045	1691	1693	1697	rVB	213881	168871	4.94%	0.347%
53	12.110	1701	1704	1707	rVB3	62909	65730	1.92%	0.135%
54	12.204	1717	1720	1722	rBV	195000	152787	4.47%	0.314%
55	12.227	1722	1724	1728	rVB2	123824	104748	3.07%	0.215%
56	12.357	1743	1746	1748	rVB	85897	69281	2.03%	0.142%
57	12.386	1748	1751	1753	rBV	126747	105420	3.09%	0.217%
58	12.410	1753	1755	1757	rVB	67661	48887	1.43%	0.100%
59	12.463	1761	1764	1767	rBV	217448	217181	6.36%	0.446%
60	12.498	1767	1770	1772	rVV2	156661	171170	5.01%	0.352%
61	12.545	1775	1778	1784	rBV2	146177	167144	4.89%	0.344%
62	12.627	1788	1792	1795	rVV	3033550	2571723	75.27%	5.285%
63	12.663	1795	1798	1800	rVV2	361117	280472	8.21%	0.576%
64	12.715	1804	1807	1809	rBV	141954	119914	3.51%	0.246%
65	12.774	1815	1817	1820	rBV	103556	91741	2.69%	0.189%
66	12.851	1824	1830	1836	rBV	2616691	2945169	86.20%	6.053%
67	12.898	1836	1838	1844	rVB2	115418	141670	4.15%	0.291%
68	12.992	1847	1854	1861	rVB	3571259	3292731	96.37%	6.767%
69	13.068	1863	1867	1870	rBV3	214128	322075	9.43%	0.662%
70	13.157	1879	1882	1883	rBV2	147997	154922	4.53%	0.318%
71	13.174	1883	1885	1888	rVB	388197	379057	11.09%	0.779%
72	13.245	1895	1897	1899	rBV	293625	201148	5.89%	0.413%
73	13.280	1901	1903	1906	rVB2	285329	244880	7.17%	0.503%
74	13.374	1917	1919	1921	rVB	167671	119900	3.51%	0.246%
75	13.404	1922	1924	1927	rBV	164170	138689	4.06%	0.285%
76	13.680	1969	1971	1976	rVB	192283	211707	6.20%	0.435%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

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-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.827	1993	1996	1998	rBV	152042	115870	3.39%	0.238%
78	13.845	1998	1999	2001	rVV	111391	96804	2.83%	0.199%
79	13.892	2004	2007	2014	rVB2	466120	551556	16.14%	1.134%
80	14.045	2028	2033	2036	rBV2	1554668	2284021	66.85%	4.694%
81	14.074	2036	2038	2043	rVB	1147846	937614	27.44%	1.927%
82	14.151	2049	2051	2054	rVB	159599	125154	3.66%	0.257%
83	14.433	2097	2099	2102	rVB	209504	163749	4.79%	0.337%
84	15.092	2207	2211	2214	rBV	765371	1114274	32.61%	2.290%
85	15.204	2227	2230	2234	rBV	177677	199453	5.84%	0.410%
86	15.398	2260	2263	2269	rVB	466238	552049	16.16%	1.135%
87	15.462	2270	2274	2280	rVB	621320	766586	22.44%	1.575%
88	15.527	2281	2285	2288	rBV	595199	755405	22.11%	1.552%
89	17.003	2532	2536	2546	rVB2	228904	474344	13.88%	0.975%

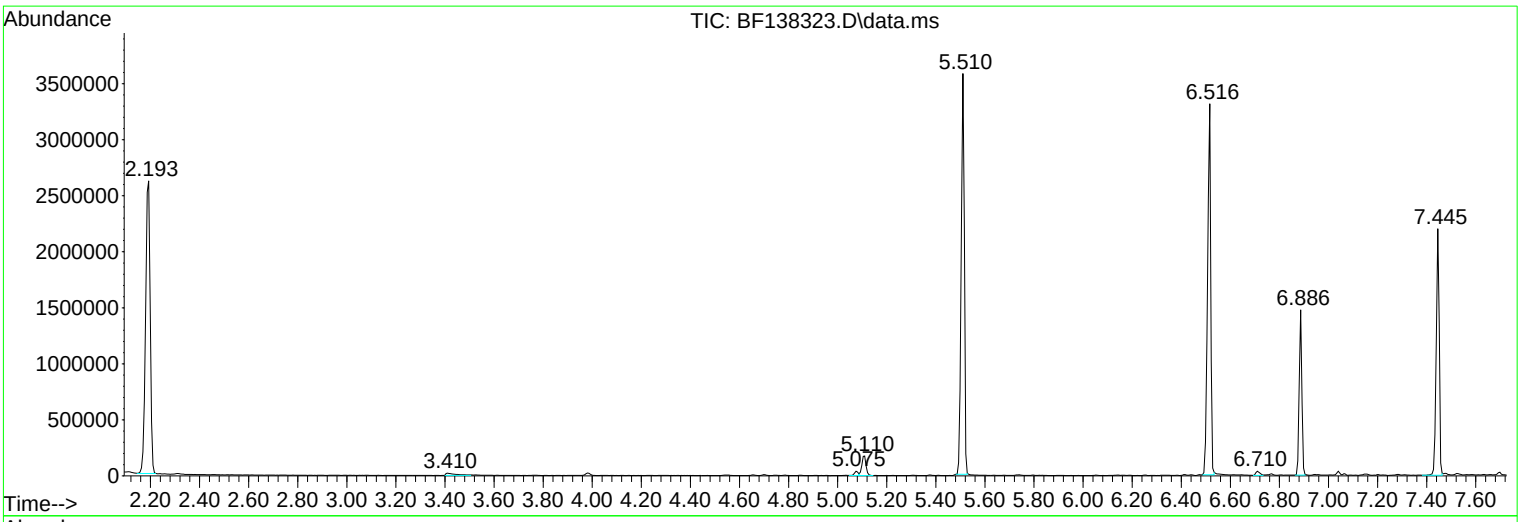
Sum of corrected areas: 48659031

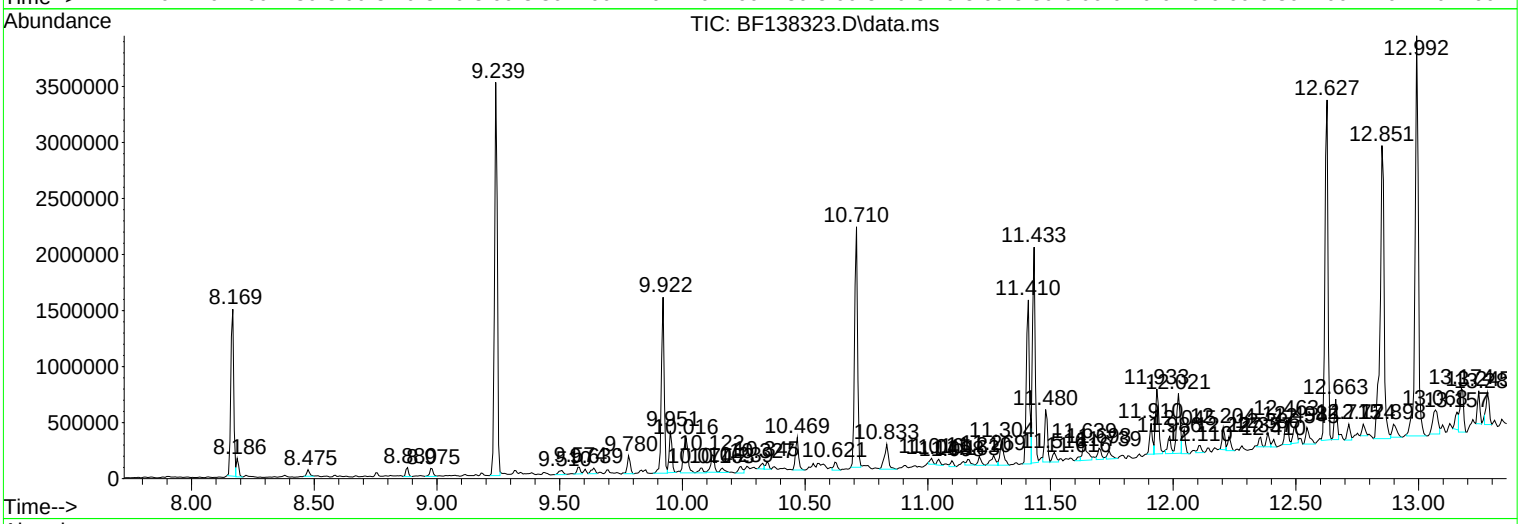
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

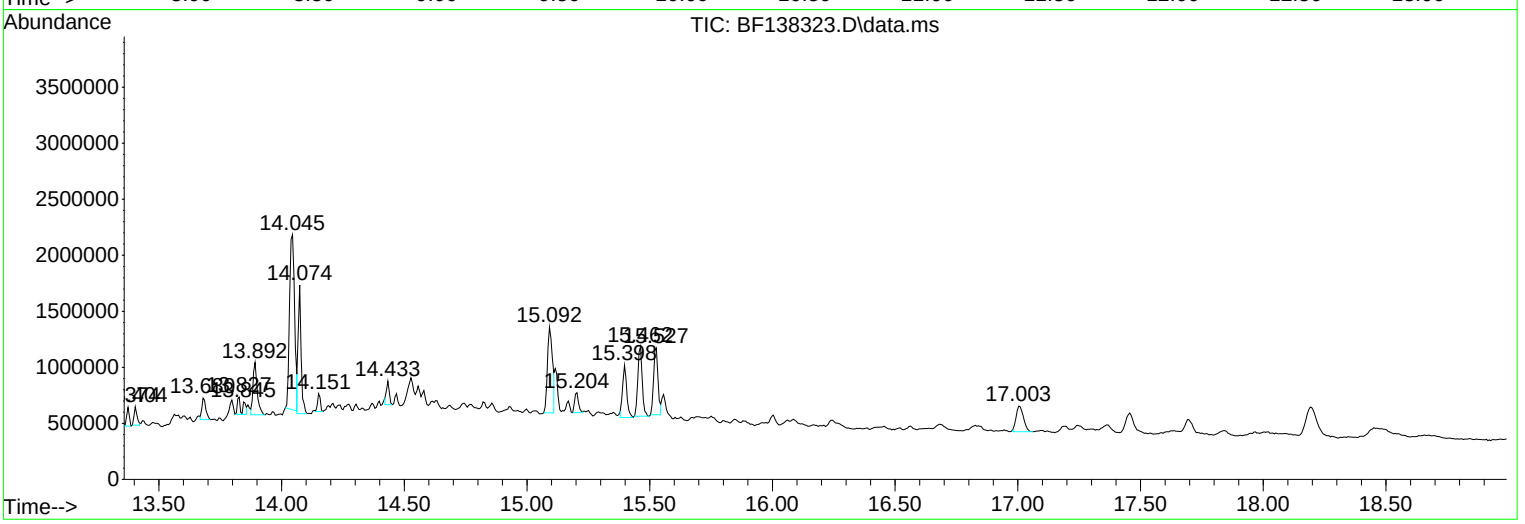
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.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\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

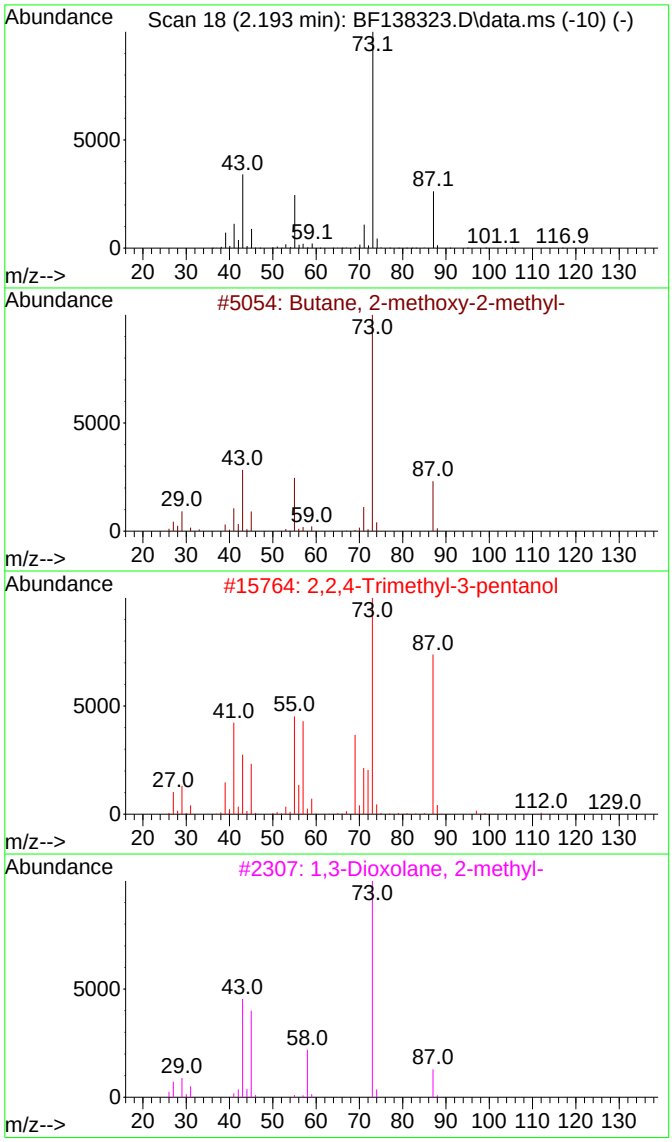
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

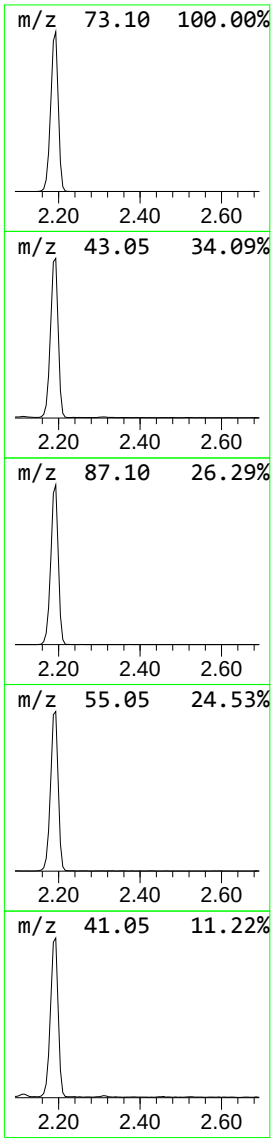
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	61.74 ng	3416790	1,4-Dichlorobenzene-d4	6.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

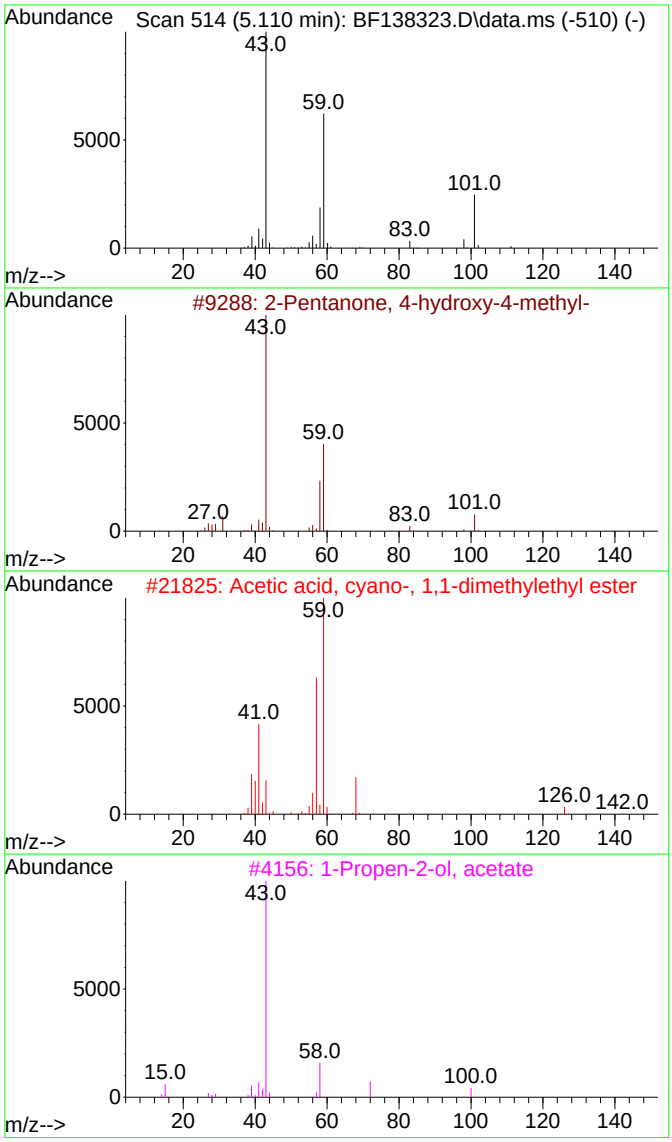
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

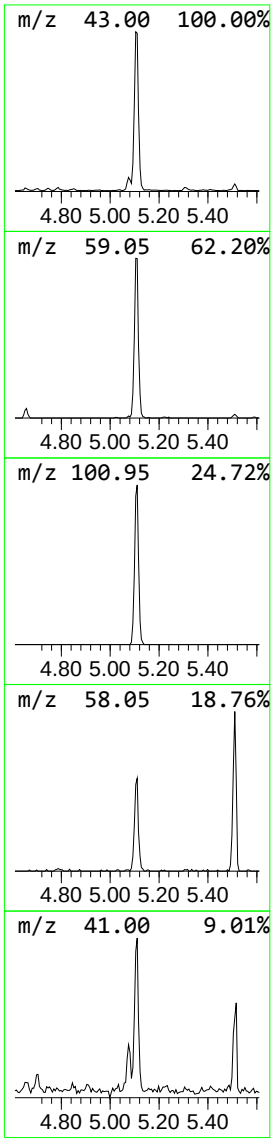
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	3.71 ng	205544	1,4-Dichlorobenzene-d4	6.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

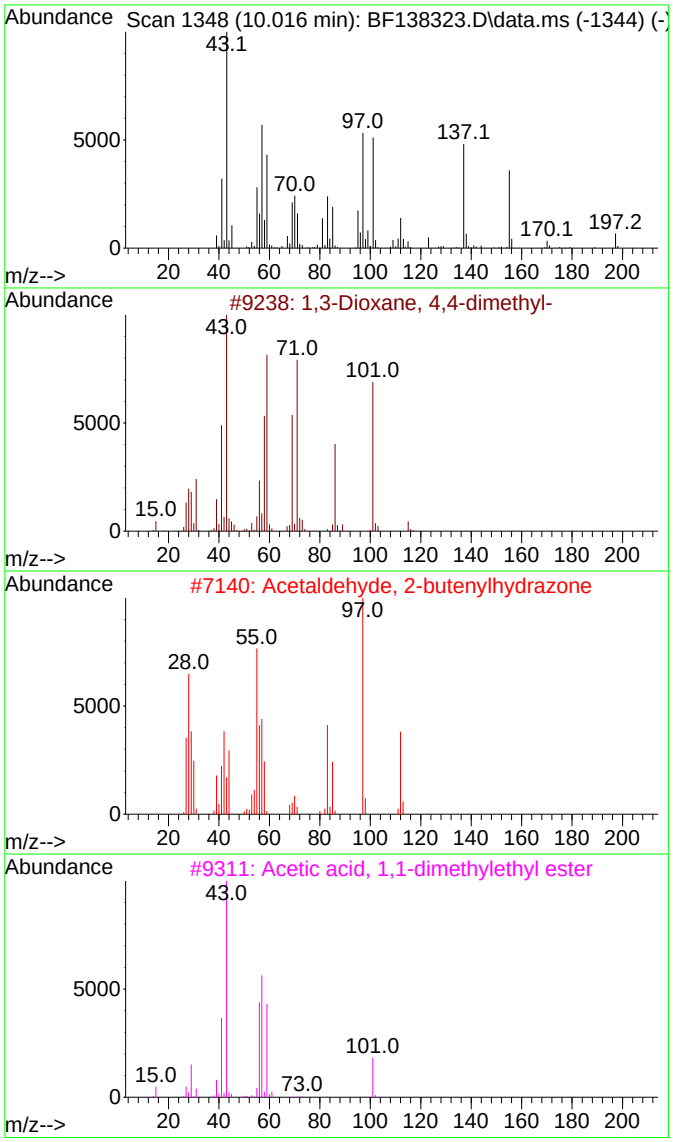
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

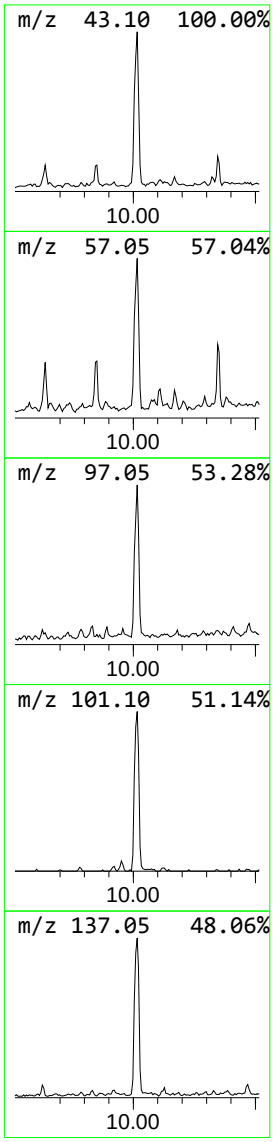
****

Peak Number 3 unknown10.016 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.016	6.20 ng	390864	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	22
2	Acetaldehyde, 2-butenylhydrazone	112	C6H12N2	075268-07-4	18
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	12
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	11
5	Thiophene, 2-ethyl-	112	C6H8S	000872-55-9	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

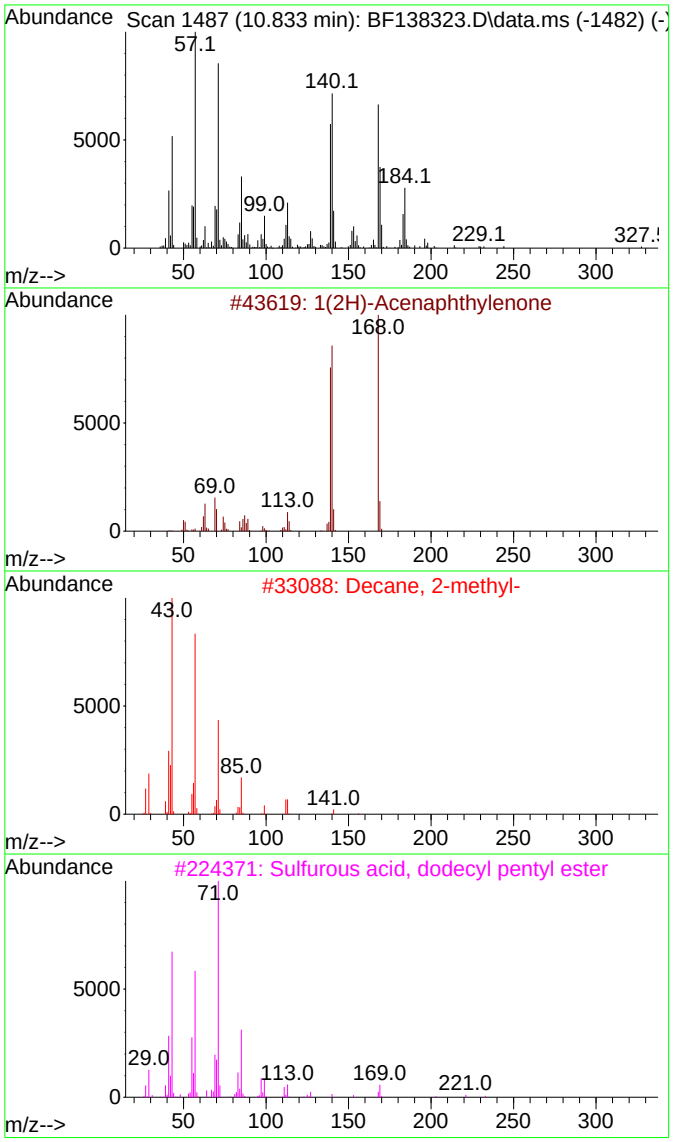
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

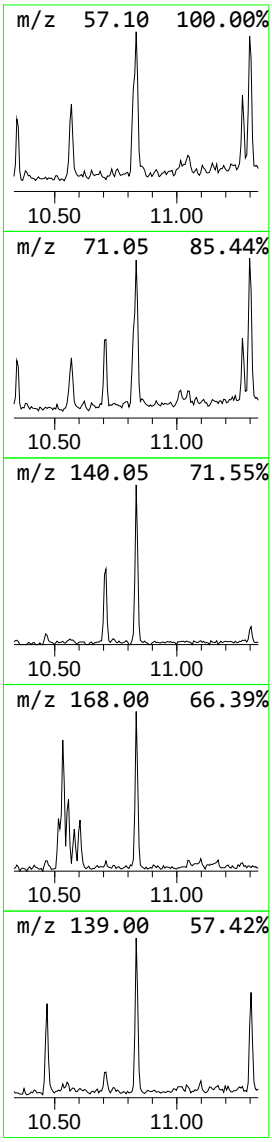
****

Peak Number 4 unknown10.833 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.833	3.87 ng	258141	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	38
2	Decane, 2-methyl-	156	C11H24	006975-98-0	38
3	Sulfurous acid, dodecyl pentyl e...	320	C17H36O3S	1000309-14-5	38
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

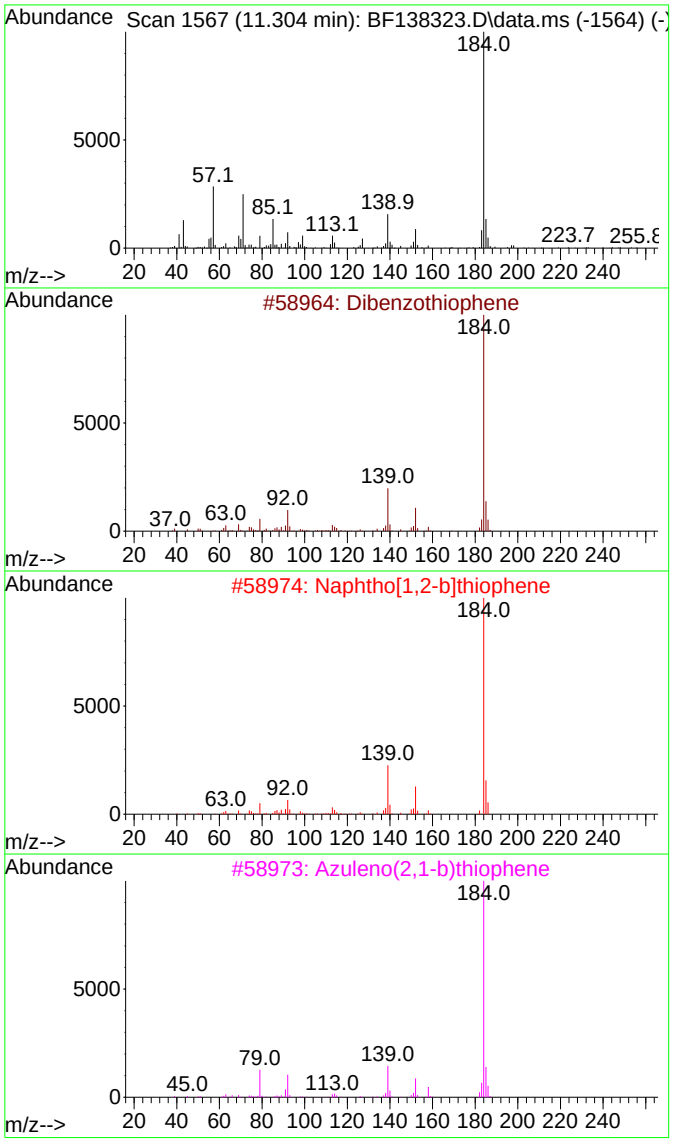
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

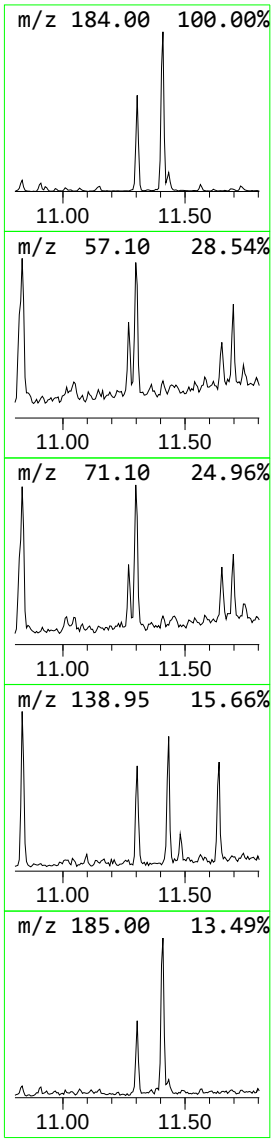
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	3.45 ng	230296	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	89
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	86
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

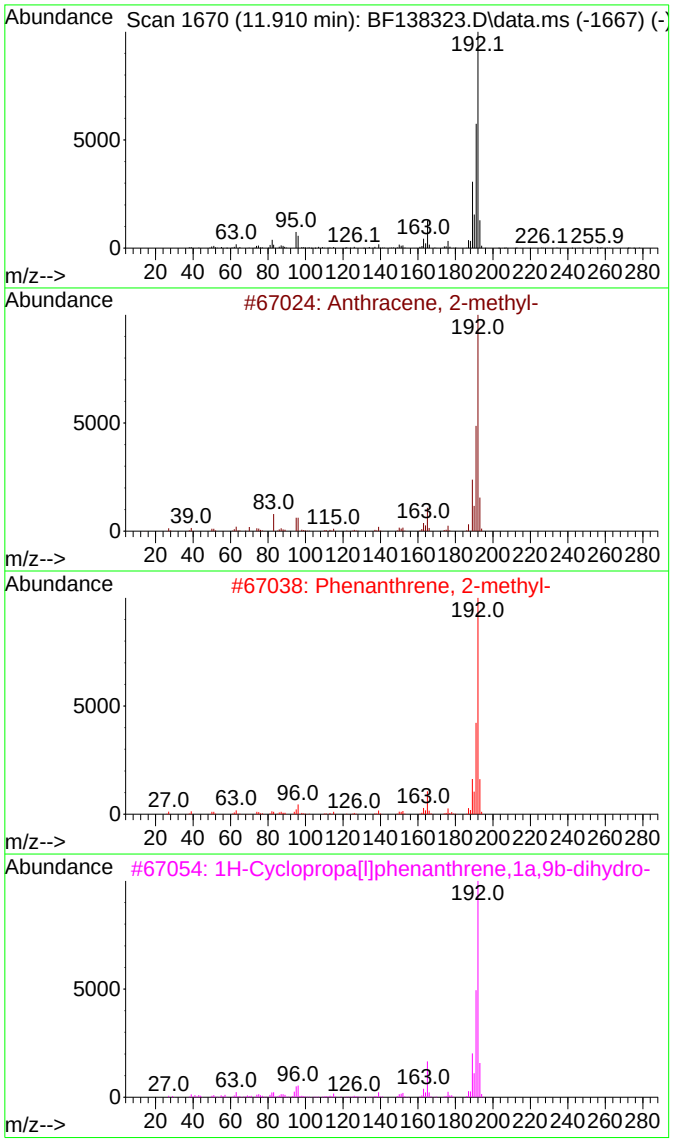
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

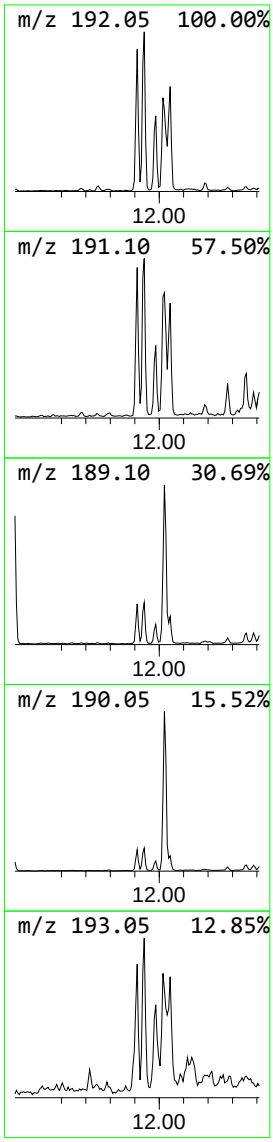
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	3.41 ng	227722	Phenanthrene-d10	11.410

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

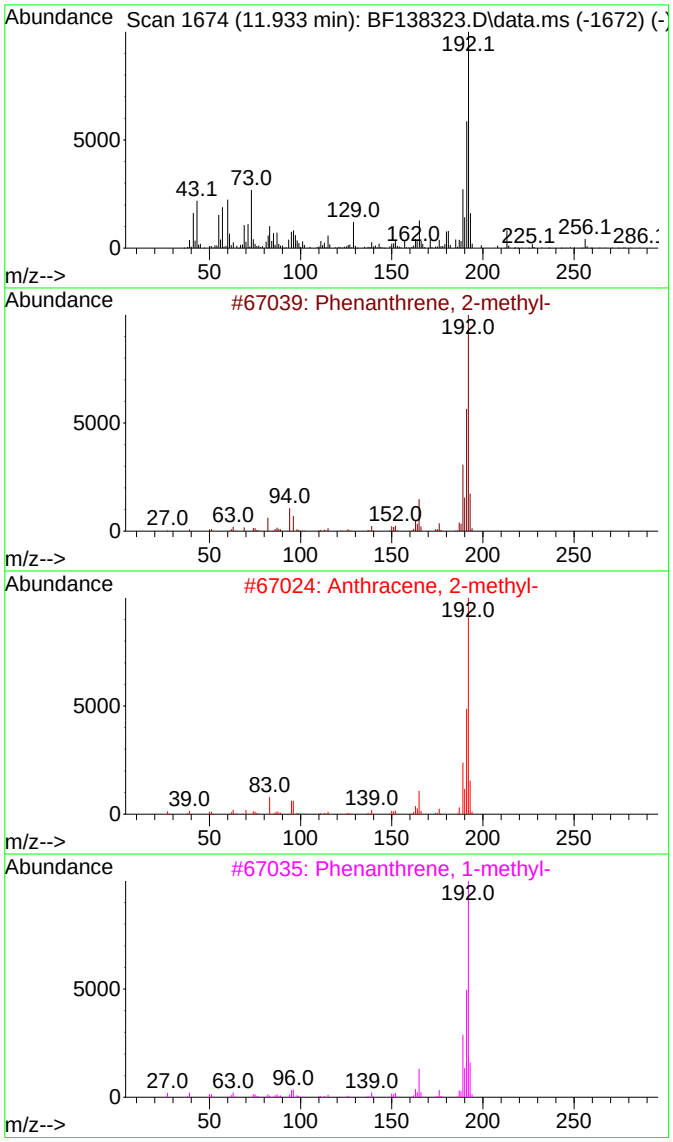
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

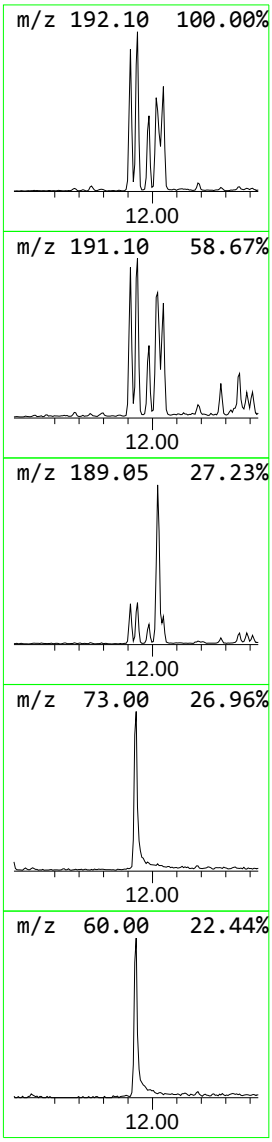
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	8.05 ng	537246	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

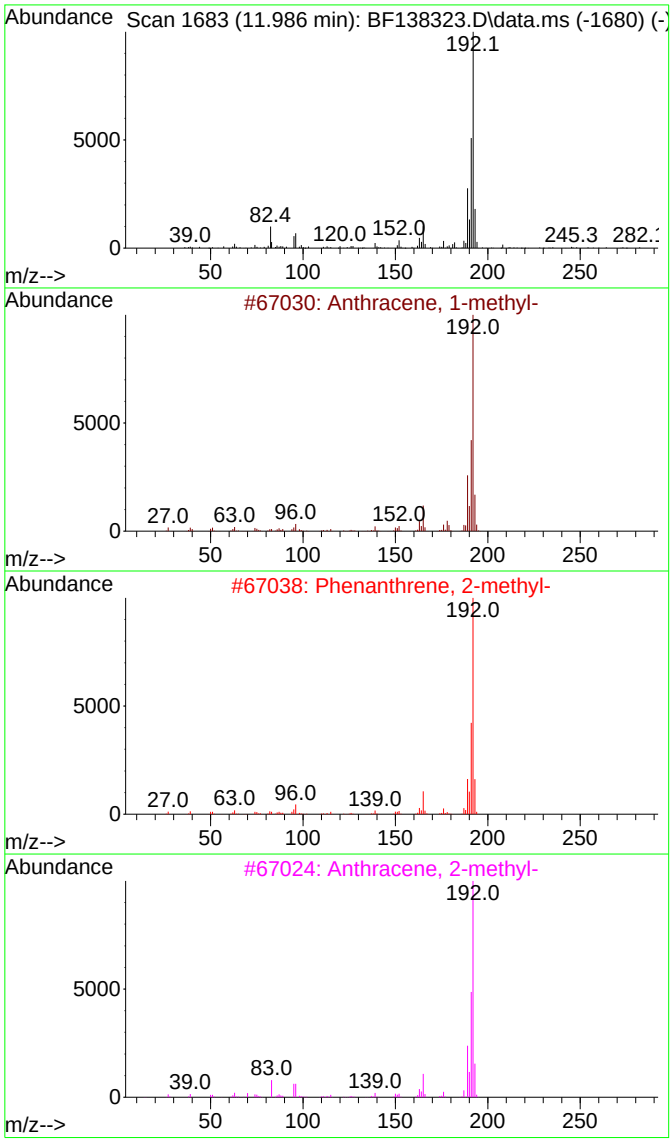
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

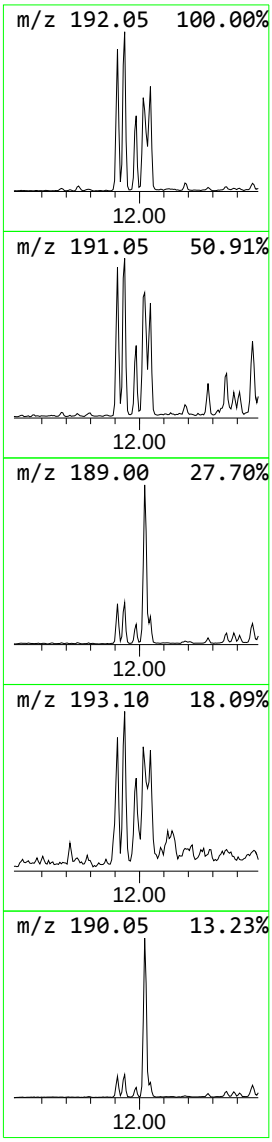
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	2.07 ng	138302	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

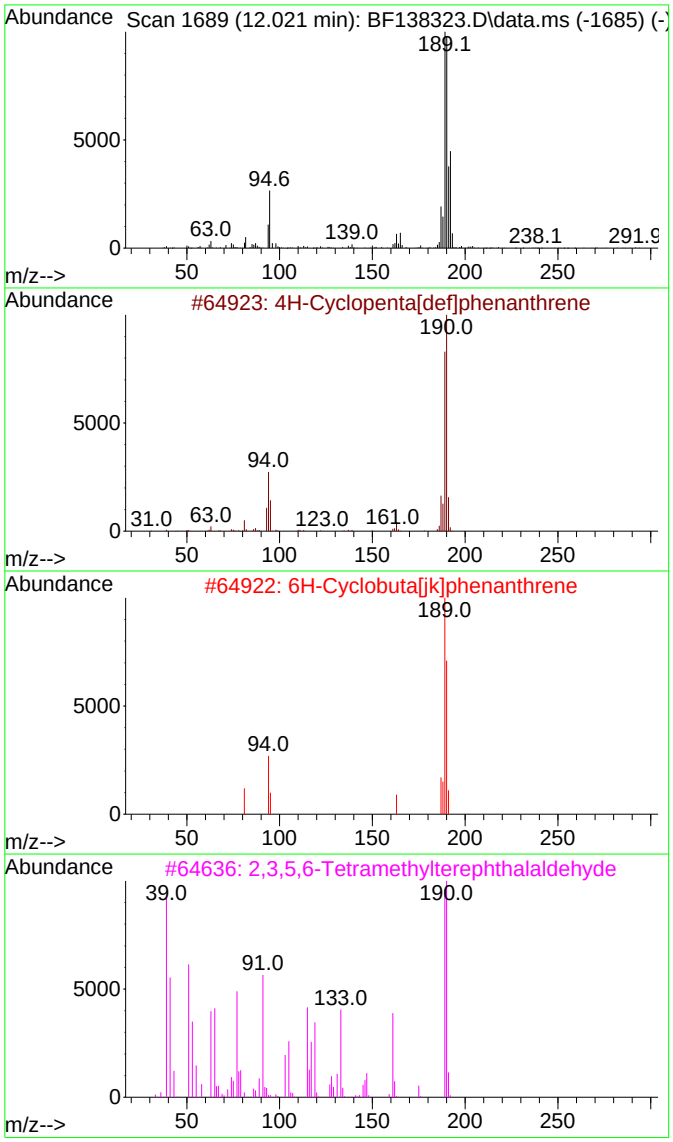
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

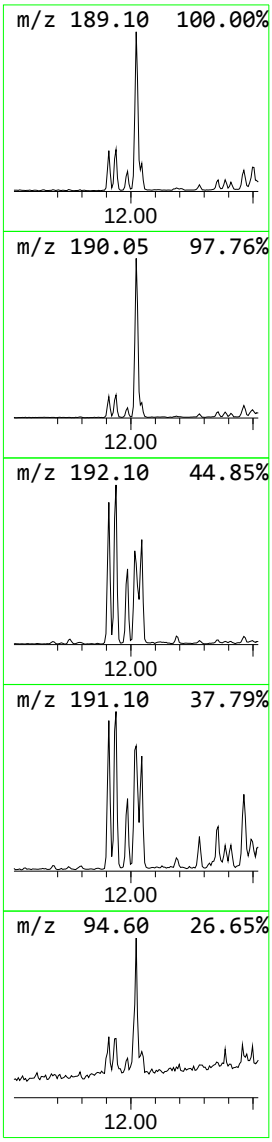
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	8.15 ng	544186	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

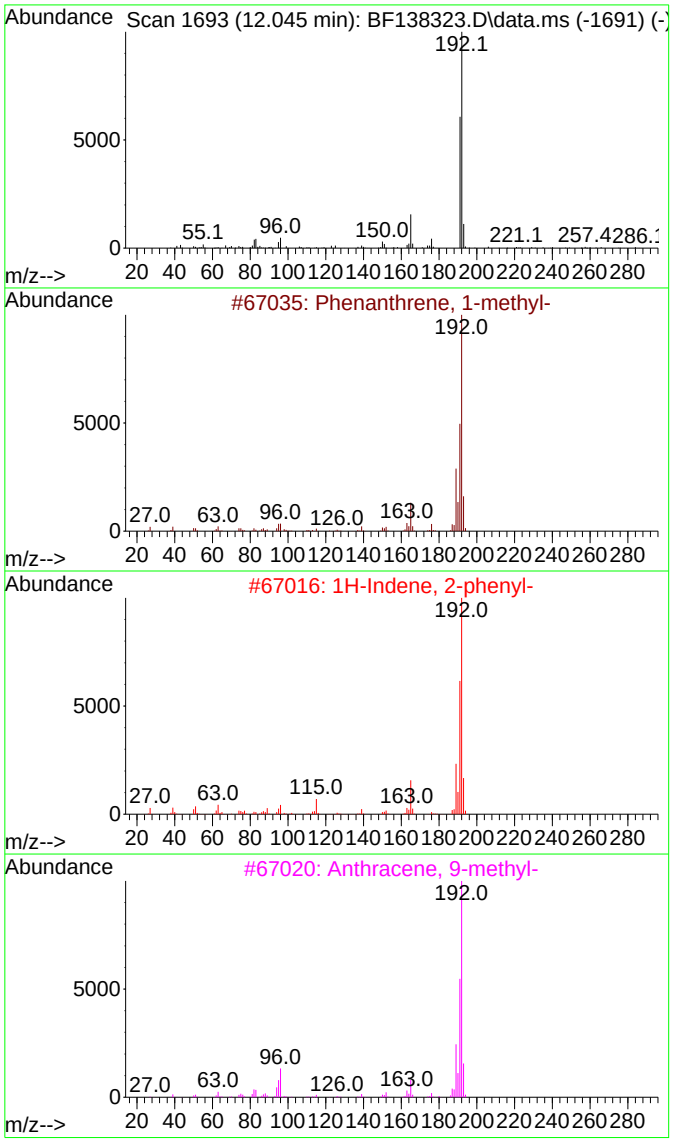
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

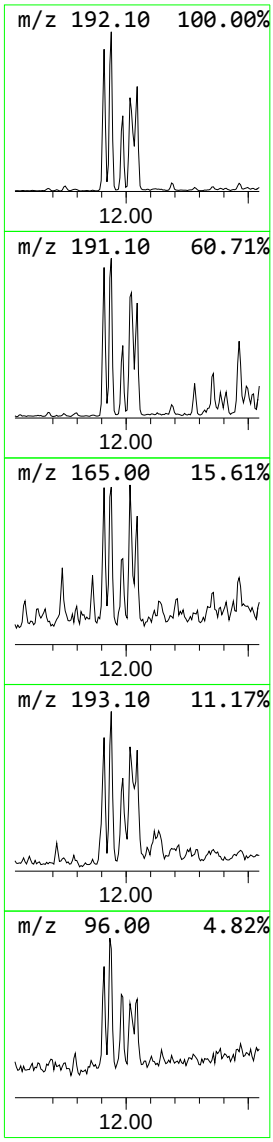
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	2.53 ng	168871	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

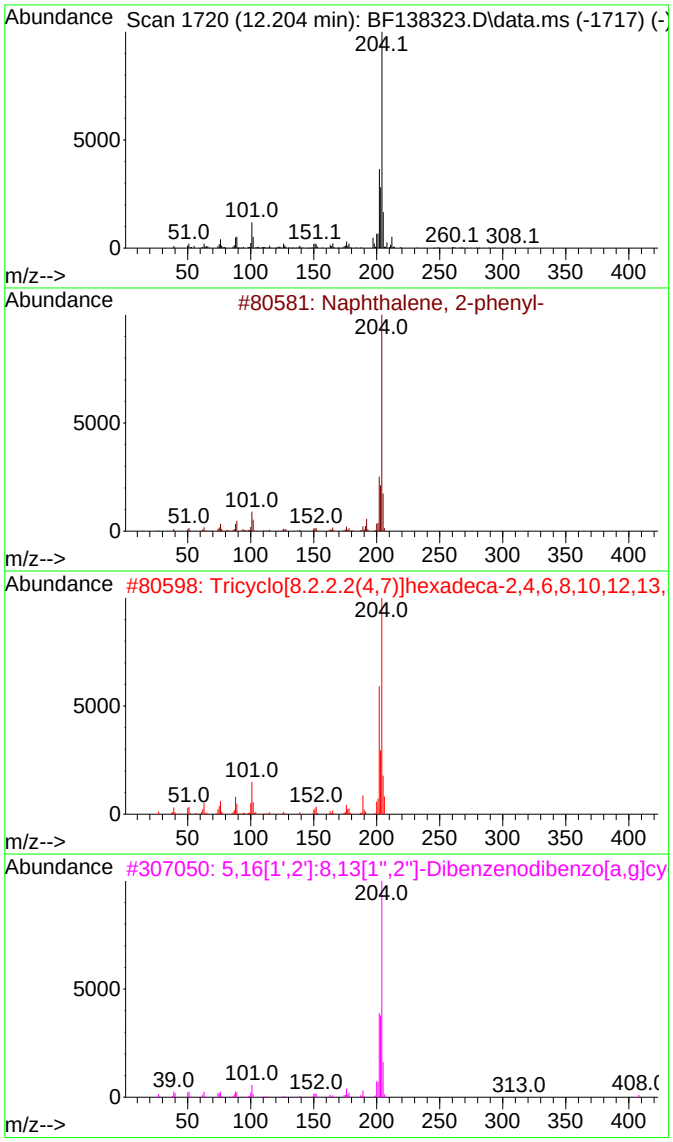
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

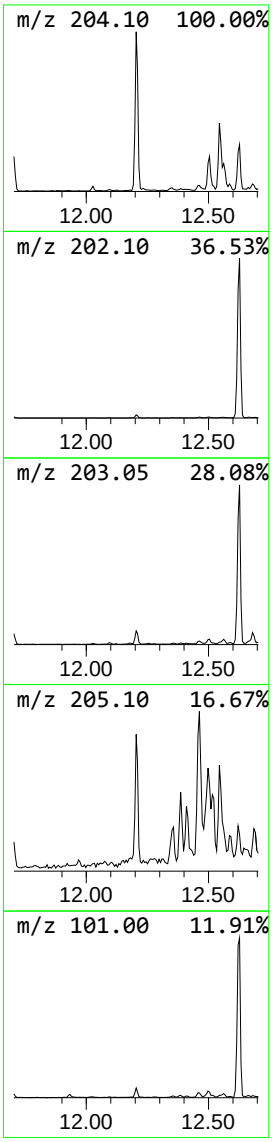
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	2.29 ng	152787	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

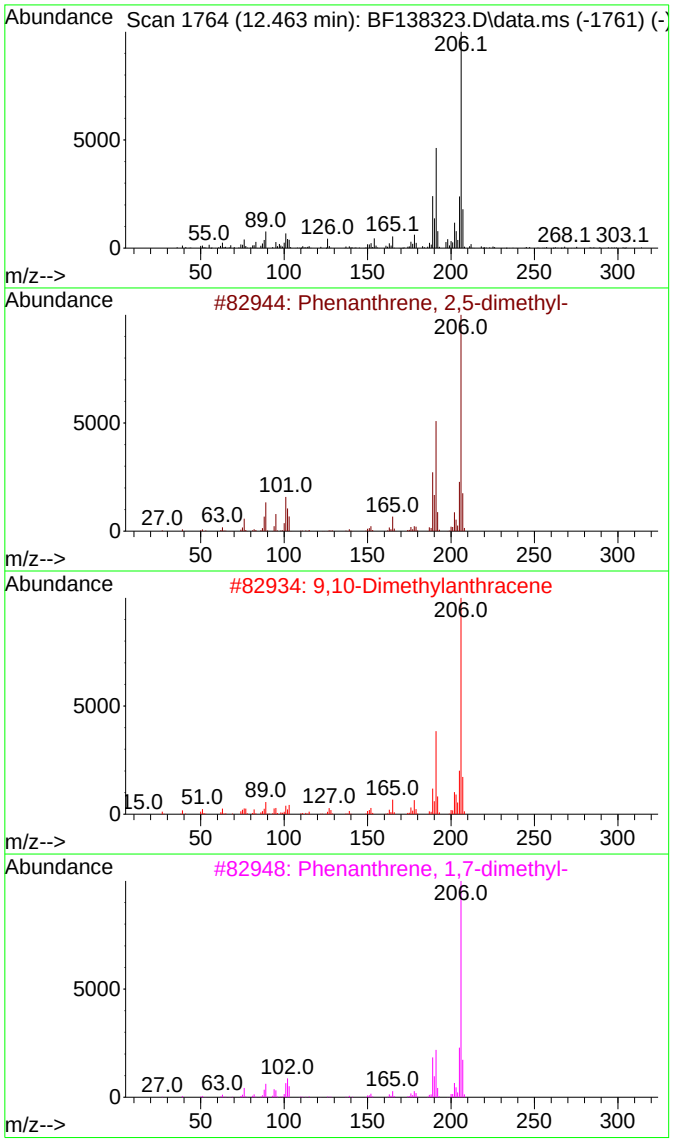
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

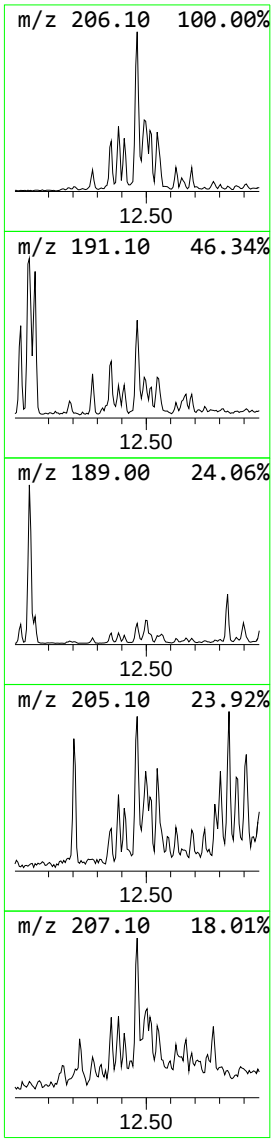
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	3.25 ng	217181	Phenanthrene-d10	11.410

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, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

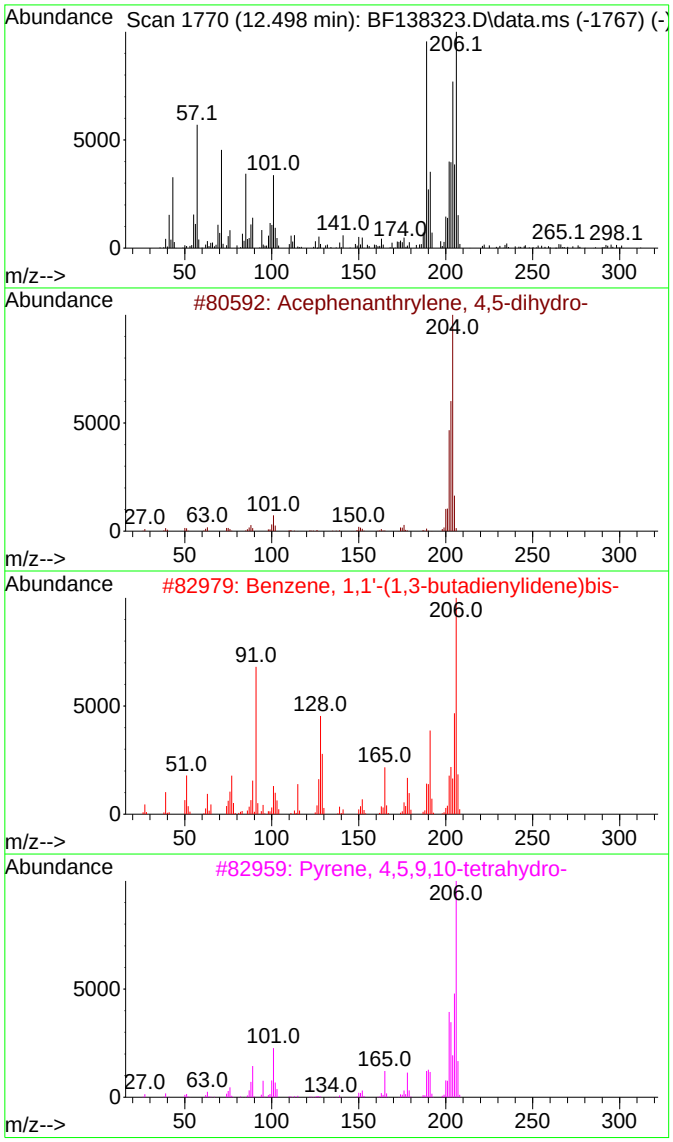
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

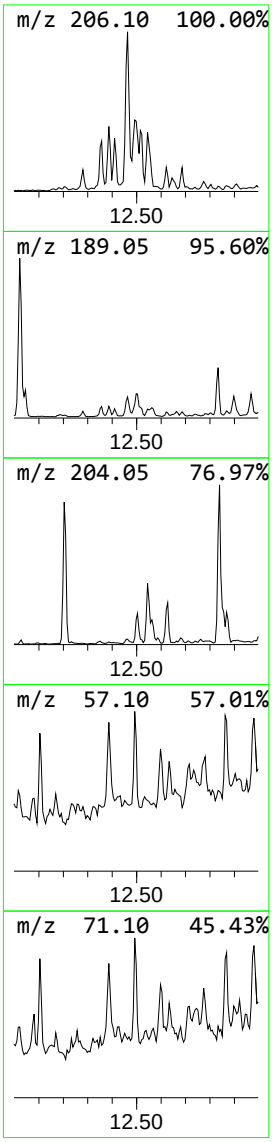
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Acephenanthrylene, 4,5-dihy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	2.56 ng	171170	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	35
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

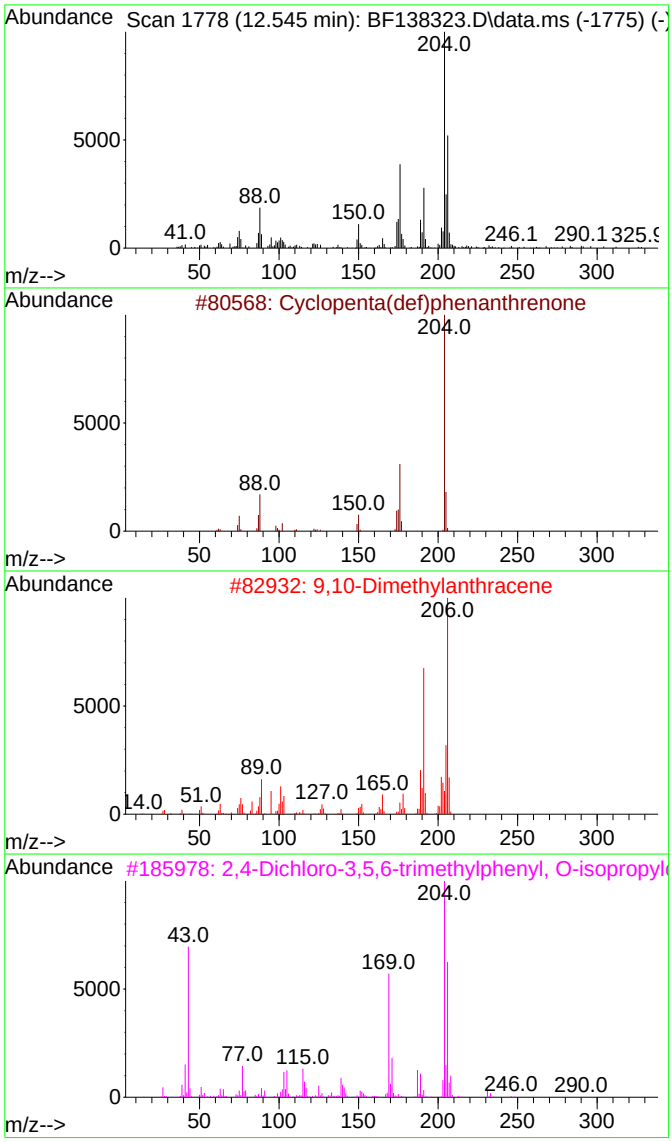
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

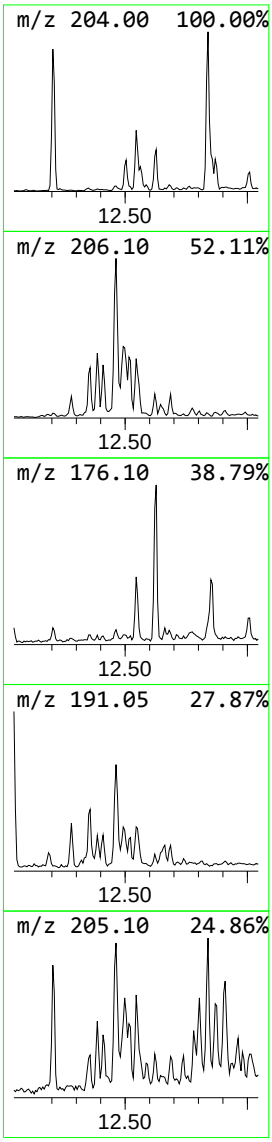
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	2.50 ng	167144	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
3	2,4-Dichloro-3,5,6-trimethylphen...	290	C13H16Cl2O3	1000487-29-0	43
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

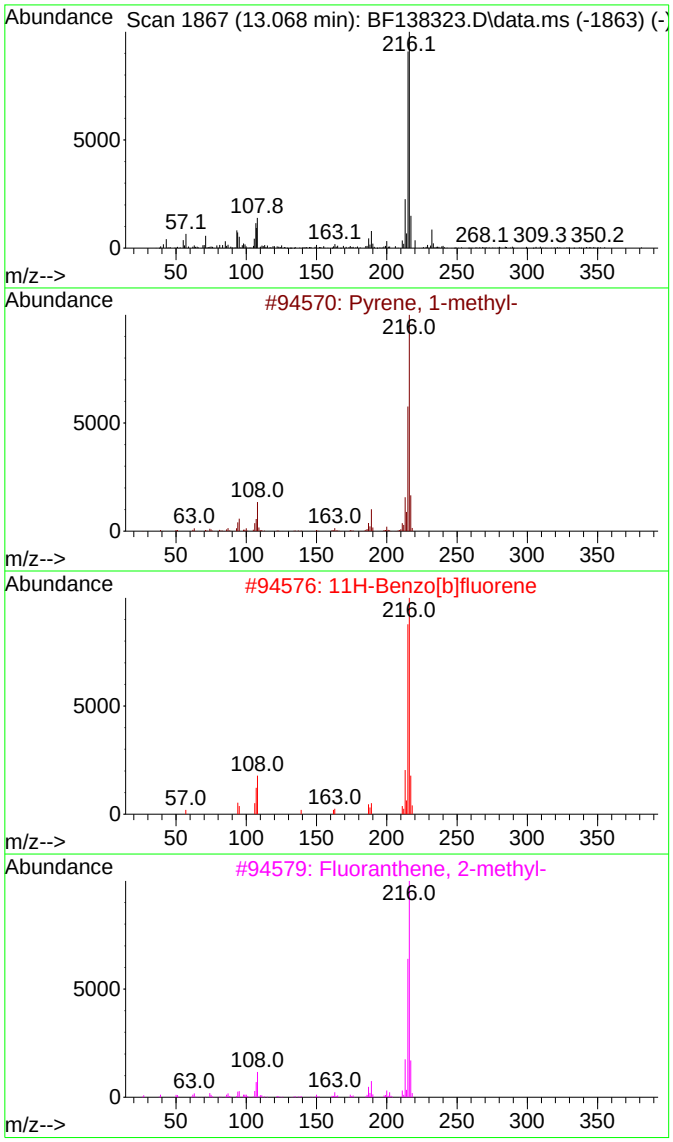
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

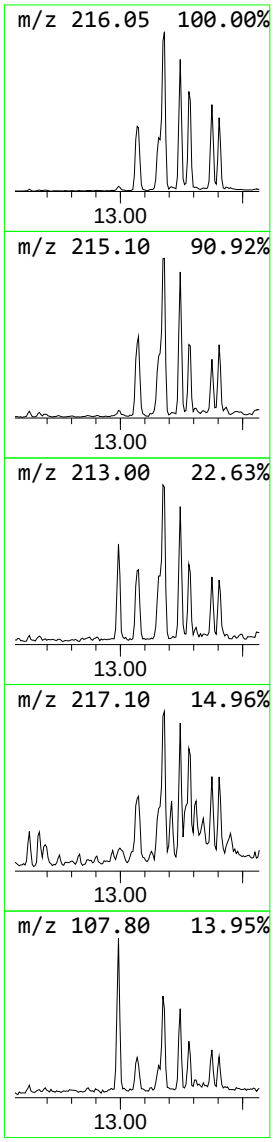
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.068	2.82 ng	322075	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

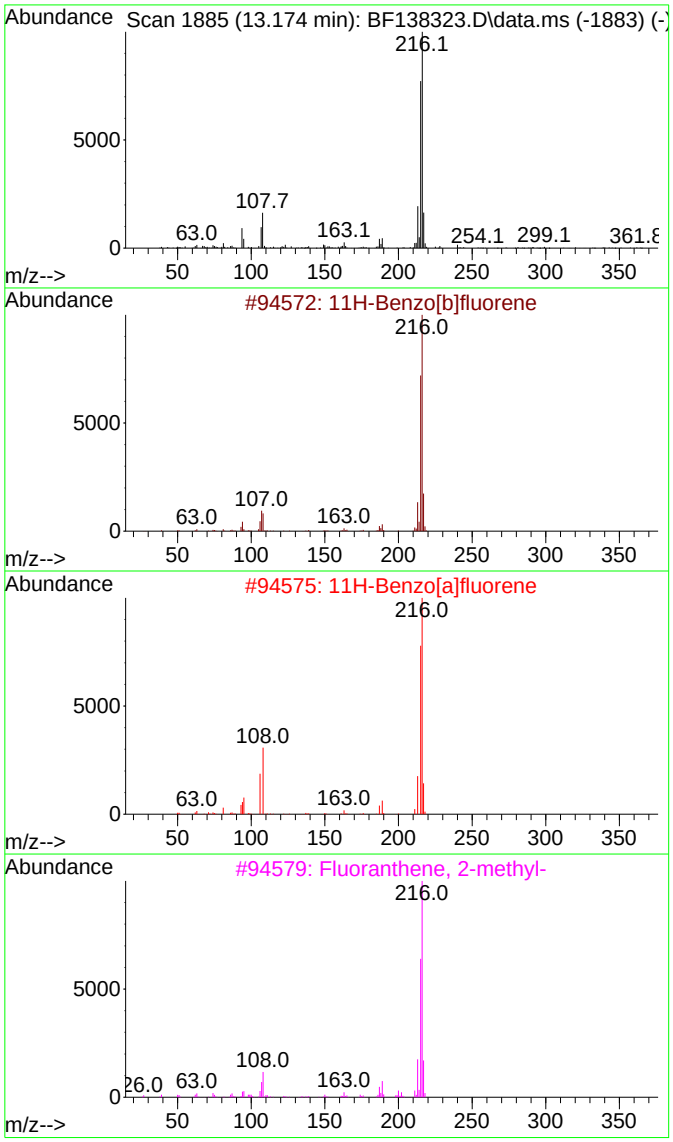
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

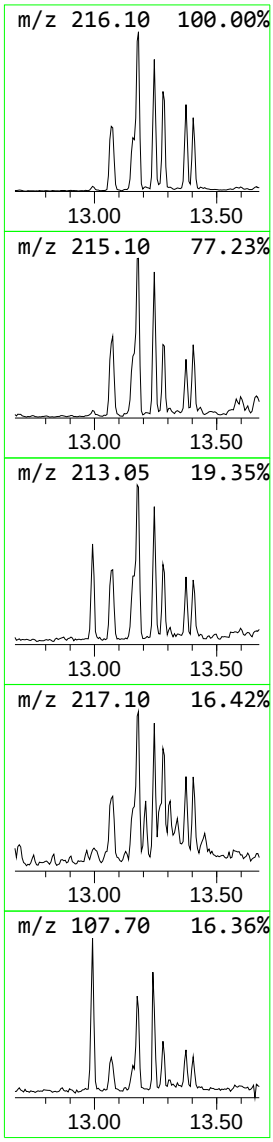
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	3.32 ng	379057	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

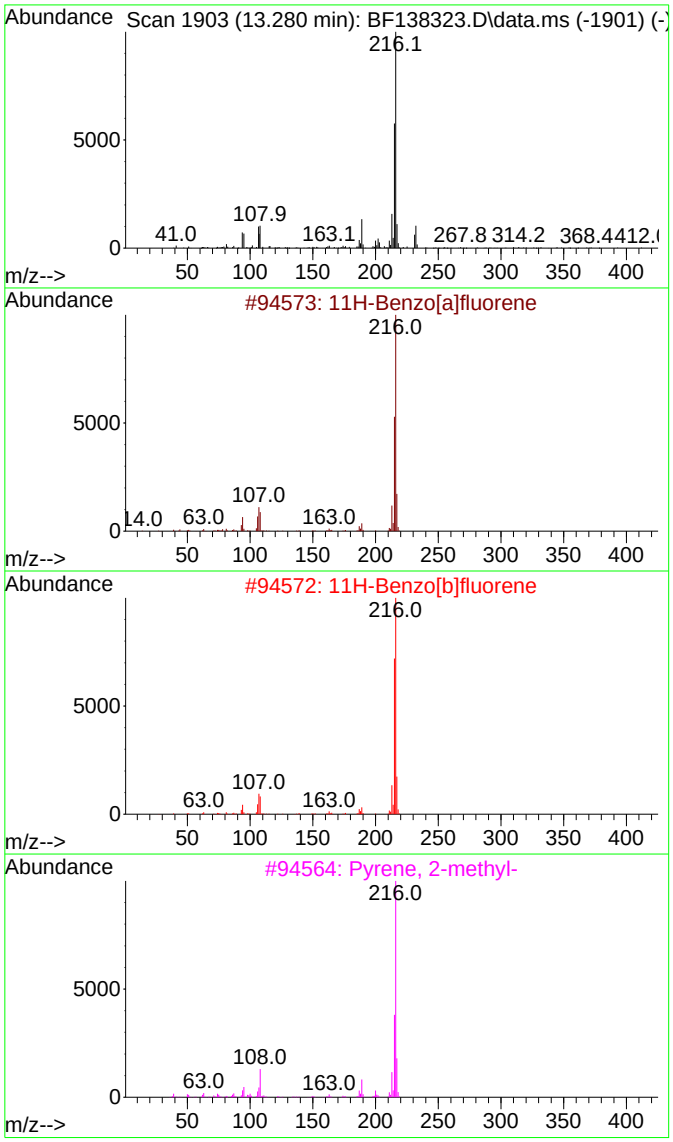
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

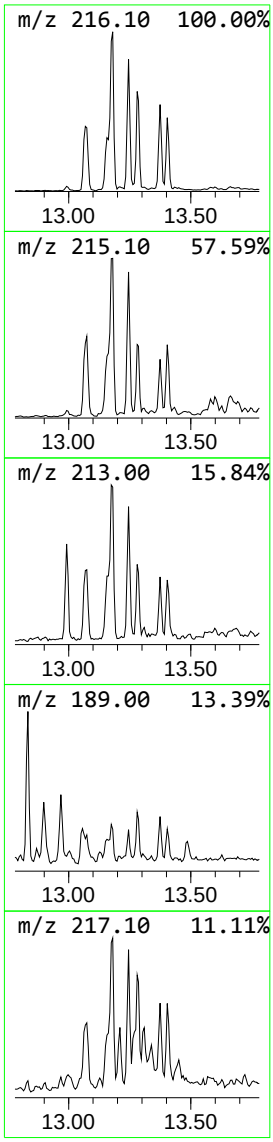
****

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	2.14 ng	244880	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

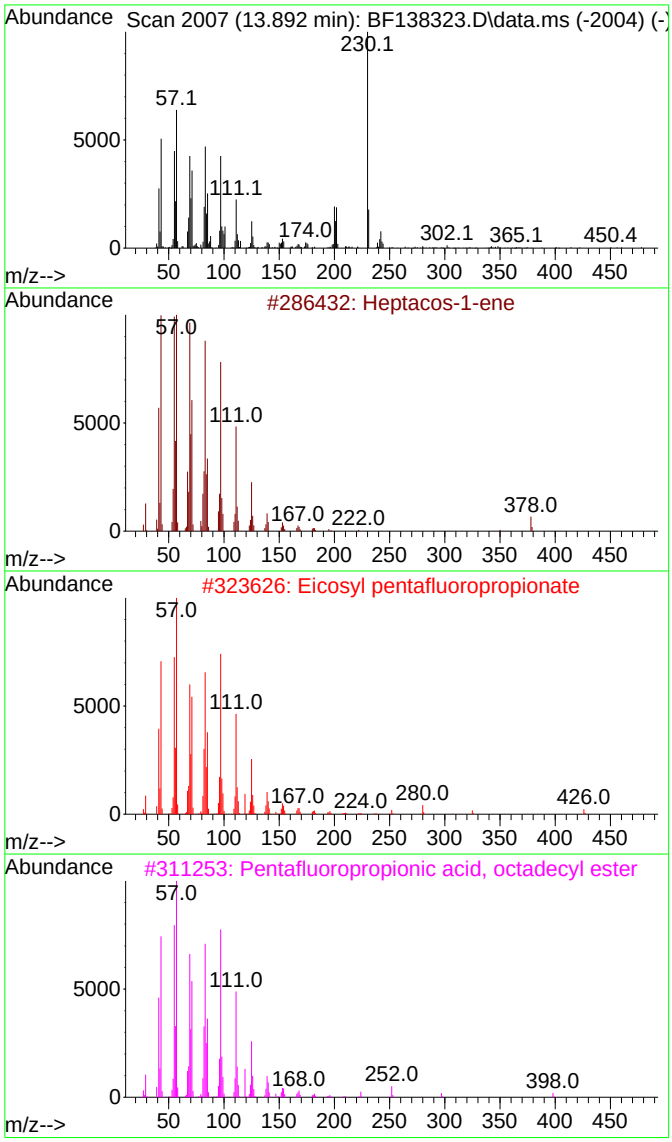
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

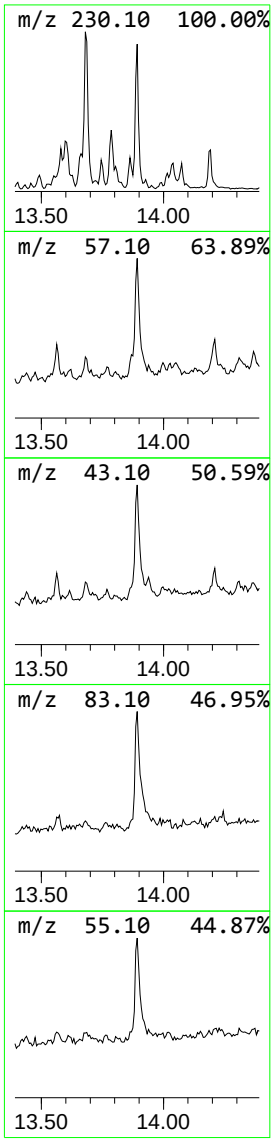
****

Peak Number 18 Heptacos-1-ene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.83 ng	551556	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacos-1-ene	378	C27H54	015306-27-1	64
2	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	50
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	50
4	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	50
5	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

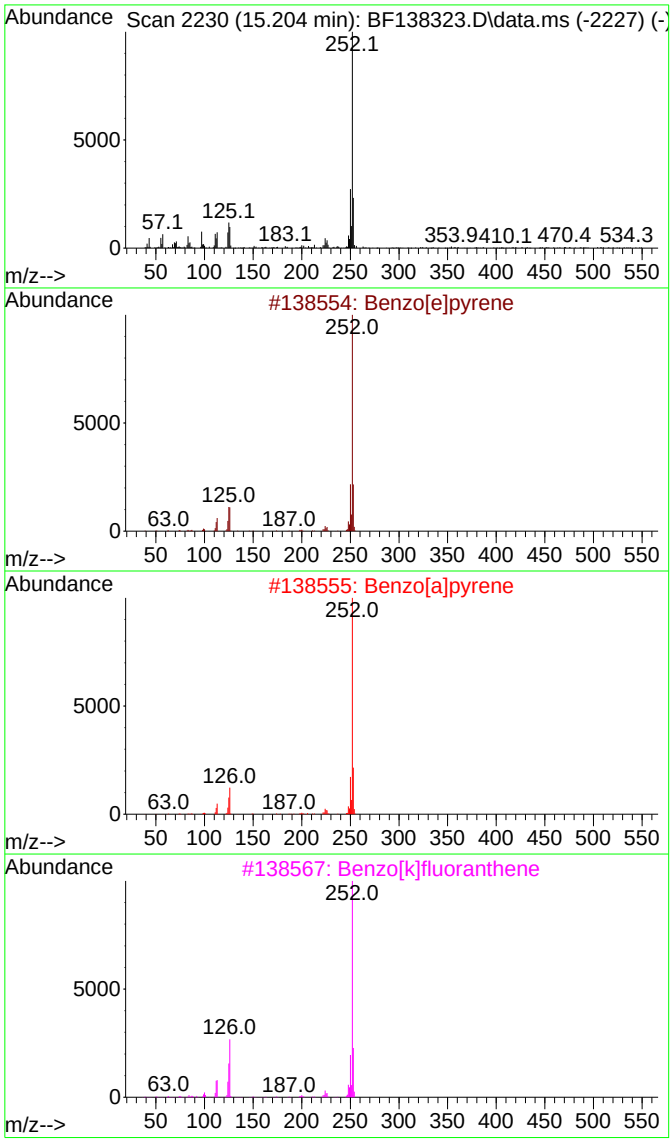
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

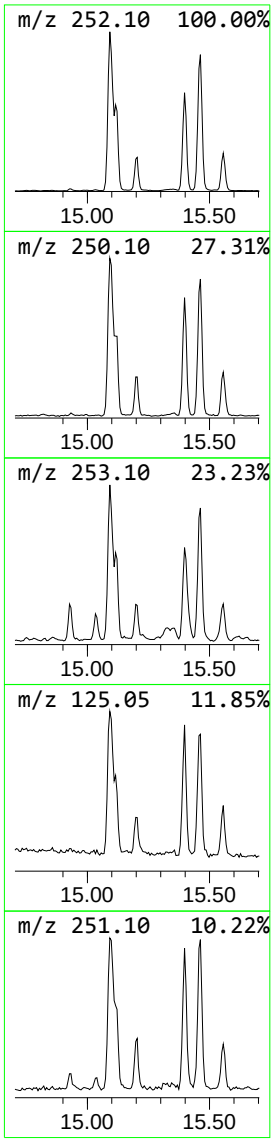
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	5.28 ng	199453	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Perylene	252	C20H12	000198-55-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
Operator : CG\JU
Sample : P3008-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.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...	2.193	61.7	ng	3416790	1	6.886	1106910	20.0
2-Pentanone, 4-...	5.110	3.7	ng	205544	1	6.886	1106910	20.0
unknown10.016	10.016	6.2	ng	390864	3	9.922	1260810	20.0
unknown10.833	10.833	3.9	ng	258141	4	11.410	1334920	20.0
Dibenzothiophene	11.304	3.5	ng	230296	4	11.410	1334920	20.0
Anthracene, 2-m...	11.910	3.4	ng	227722	4	11.410	1334920	20.0
Phenanthrene, 2...	11.933	8.1	ng	537246	4	11.410	1334920	20.0
Anthracene, 1-m...	11.986	2.1	ng	138302	4	11.410	1334920	20.0
4H-Cyclopenta[d...	12.021	8.2	ng	544186	4	11.410	1334920	20.0
Phenanthrene, 1...	12.045	2.5	ng	168871	4	11.410	1334920	20.0
Naphthalene, 2-...	12.204	2.3	ng	152787	4	11.410	1334920	20.0
Phenanthrene, 2...	12.463	3.3	ng	217181	4	11.410	1334920	20.0
Acephenanthryle...	12.498	2.6	ng	171170	4	11.410	1334920	20.0
Cyclopenta(def)...	12.545	2.5	ng	167144	4	11.410	1334920	20.0
Pyrene, 1-methyl-	13.068	2.8	ng	322075	5	14.051	2284020	20.0
11H-Benzo[b]flu...	13.174	3.3	ng	379057	5	14.051	2284020	20.0
11H-Benzo[a]flu...	13.280	2.1	ng	244880	5	14.051	2284020	20.0
Heptacos-1-ene	13.892	4.8	ng	551556	5	14.051	2284020	20.0
Benzo[e]pyrene	15.204	5.3	ng	199453	6	15.527	755405	20.0