LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

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-BF060524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138181.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	7	13	19	rBV	2306213	2766294	55.05%	3.841%
2	5.104	510	513	520	rVB	166851	174001	3.46%	0.242%
3	5.504	577	581	585	rBV	3415204	3197062	63.62%	4.439%
4	6.516	748	753	756	rBV	3780767	3274639	65.17%	4.547%
5	6.716	784	787	793	rBV	107882	104421	2.08%	0.145%
6	6.898	814	818	821	rBV	2666690	2158853	42.96%	2.998%
7	7.451	909	912	916	rBV	2007970	1779060	35.40%	2.470%
8	8.175	1032	1035	1039	rBV	3116998	2750294	54.73%	3.819%
9	8.986	1169	1173	1177	rBV	72893	65765	1.31%	0.091%
10	9.251	1214	1218	1221	rBV	4723396	3472736	69.11%	4.822%
11	9.369	1234	1238	1246	rVB	1131378	948599	18.88%	1.317%
12	9.516	1259	1263	1267	rBV2	78706	111368	2.22%	0.155%
13	9.586	1273	1275	1278	rVV	116994	103280	2.06%	0.143%
14	9.704	1293	1295	1300	rVB	81135	84778	1.69%	0.118%
15	9.792	1307	1310	1314	rVB	80739	79177	1.58%	0.110%
16	9.933	1330	1334	1337	rVV	3374289	2717412	54.08%	3.773%
17	9.963	1337	1339	1342	rVB	260762	196159	3.90%	0.272%
18	10.033	1347	1351	1355	rVB2	73587	101749	2.02%	0.141%
19	10.086	1355	1360	1364	rBV2	61698	87321	1.74%	0.121%
20	10.133	1364	1368	1371	rVB	166674	160385	3.19%	0.223%
21	10.169	1371	1374	1378	rBV	103429	88623	1.76%	0.123%
22	10.245	1384	1387	1390	rBV	104749	111566	2.22%	0.155%
23	10.275	1390	1392	1395	rVB	84884	62650	1.25%	0.087%
24	10.339	1399	1403	1404	rBV	79448	88128	1.75%	0.122%
25	10.475	1423	1426	1432	rVB2	235366	230906	4.60%	0.321%
26	10.545	1432	1438	1439	rBV2	121546	144719	2.88%	0.201%
27	10.633	1451	1453	1457	rVB2	122406	125674	2.50%	0.175%
28	10.716	1464	1467	1471	rVV	2246079	1707436	33.98%	2.371%
29	10.751	1471	1473	1479	rVB4	48630	85962	1.71%	0.119%
30	10.845	1484	1489	1492	rVB4	136356	174731	3.48%	0.243%
31	11.027	1513	1520	1522	rBV3	164335	219483	4.37%	0.305%
32	11.051	1522	1524	1527	rVV2	126189	137818	2.74%	0.191%
33	11.110	1531	1534	1537	rVB2	104490	92841	1.85%	0.129%
34	11.151	1537	1541	1543	rBV3	79891	120978	2.41%	0.168%
35	11.175	1543	1545	1547	rVV2	118298	105251	2.09%	0.146%
36	11.222	1550	1553	1557	rVV2	153469	150992	3.00%	0.210%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

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-BF060524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.263	1557	1560	1562	rVV2	84324	100221	1.99%	0.139%
38	11.316	1566	1569	1574	rVB	272504	253145	5.04%	0.352%
39	11.416	1583	1586	1588	rBV	2895724	2533647	50.42%	3.518%
40	11.439	1588	1590	1594	rVV	2453270	2147457	42.74%	2.982%
41	11.492	1596	1599	1602	rVB	783090	592240	11.79%	0.822%
42	11.522	1602	1604	1608	rBV2	96773	113200	2.25%	0.157%
43	11.645	1623	1625	1627	rBV	113535	86647	1.72%	0.120%
44	11.716	1634	1637	1640	rBV2	199983	171146	3.41%	0.238%
45	11.745	1640	1642	1648	rVB	282442	255908	5.09%	0.355%
46	11.833	1654	1657	1660	rVB	171393	176497	3.51%	0.245%
47	11.869	1660	1663	1666	rBV2	89617	92541	1.84%	0.129%
48	11.922	1668	1672	1674	rVV	736885	754647	15.02%	1.048%
49	11.945	1674	1676	1680	rVV	1111452	935439	18.62%	1.299%
50	11.992	1680	1684	1687	rVV	393291	381230	7.59%	0.529%
51	12.027	1687	1690	1693	rVV2	1143220	1335787	26.58%	1.855%
52	12.051	1693	1694	1698	rVB	606117	427862	8.51%	0.594%
53	12.122	1703	1706	1708	rVB2	104629	97004	1.93%	0.135%
54	12.151	1708	1711	1713	rVB2	144079	117951	2.35%	0.164%
55	12.192	1713	1718	1719	rBV3	98328	119816	2.38%	0.166%
56	12.216	1719	1722	1724	rVV	485503	446519	8.89%	0.620%
57	12.233	1724	1725	1730	rVB2	329304	291088	5.79%	0.404%
58	12.292	1732	1735	1736	rBV	72295	64608	1.29%	0.090%
59	12.345	1741	1744	1745	rBV	135397	111818	2.23%	0.155%
60	12.363	1745	1747	1750	rVB	207255	141258	2.81%	0.196%
61	12.392	1750	1752	1754	rBV	215038	172121	3.43%	0.239%
62	12.416	1754	1756	1759	rVB	196483	156094	3.11%	0.217%
63	12.469	1761	1765	1768	rBV	616759	626537	12.47%	0.870%
64	12.504	1768	1771	1776	rVB	451665	613296	12.21%	0.852%
65	12.551	1776	1779	1784	rBV2	458663	488240	9.72%	0.678%
66	12.633	1789	1793	1796	rVV	4158952	3579551	71.24%	4.971%
67	12.674	1796	1800	1802	rVV2	174527	206409	4.11%	0.287%
68	12.727	1806	1809	1811	rVB3	101208	93514	1.86%	0.130%
69	12.757	1811	1814	1816	rBV2	153113	157561	3.14%	0.219%
70	12.780	1816	1818	1821	rVV2	211991	229397	4.57%	0.319%
71	12.863	1825	1832	1837	rVV	4656367	5024943	100.00%	6.978%
72	12.916	1837	1841	1844	rVB2	216209	322848	6.42%	0.448%
73	12.974	1849	1851	1853	rBV2	148282	140752	2.80%	0.195%
74	13.004	1853	1856	1863	rVB	3619099	3245379	64.59%	4.507%
75	13.080	1864	1869	1872	rBV2	467849	696050	13.85%	0.967%
76	13.133	1876	1878	1880	rBV2	120103	114682	2.28%	0.159%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

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-BF060524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.163	1880	1883	1884	rBV2	367098	337914	6.72%	0.469%
78	13.186	1884	1887	1890	rVB	809050	772639	15.38%	1.073%
79	13.239	1893	1896	1897	rBV	222041	251558	5.01%	0.349%
80	13.251	1897	1898	1901	rVV	431674	310995	6.19%	0.432%
81	13.292	1901	1905	1907	rVV2	687870	672164	13.38%	0.933%
82	13.316	1907	1909	1913	rVB3	154440	160231	3.19%	0.222%
83	13.380	1918	1920	1923	rVB	457897	362878	7.22%	0.504%
84	13.416	1923	1926	1928	rBV	497135	438083	8.72%	0.608%
85	13.580	1952	1954	1957	rBV2	250803	239080	4.76%	0.332%
86	13.692	1970	1973	1978	rVB	390460	478519	9.52%	0.664%
87	13.804	1988	1992	1995	rBV3	357055	572910	11.40%	0.796%
88	13.833	1995	1997	1999	rVV	396368	311306	6.20%	0.432%
89	13.857	1999	2001	2005	rVV2	201865	226367	4.50%	0.314%
90	13.904	2006	2009	2012	rVB2	285650	402235	8.00%	0.559%
91	14.057	2030	2035	2037	rBV2	2894234	3958819	78.78%	5.497%
92	14.080	2037	2039	2045	rVB	1619583	1563215	31.11%	2.171%
93	14.163	2051	2053	2056	rVB	245371	177219	3.53%	0.246%
94	14.445	2098	2101	2104	rVB	420635	420522	8.37%	0.584%
95	14.474	2104	2106	2109	rVB	277406	232387	4.62%	0.323%
96	14.533	2114	2116	2119	rVB2	329227	276310	5.50%	0.384%
97	15.104	2209	2213	2216	rBV	882632	1353102	26.93%	1.879%
98	15.410	2262	2265	2271	rVB	559396	672002	13.37%	0.933%
99	15.468	2272	2275	2279	rBV	782644	879635	17.51%	1.221%
100	15.533	2283	2286	2290	rBV	1125183	1348711	26.84%	1.873%

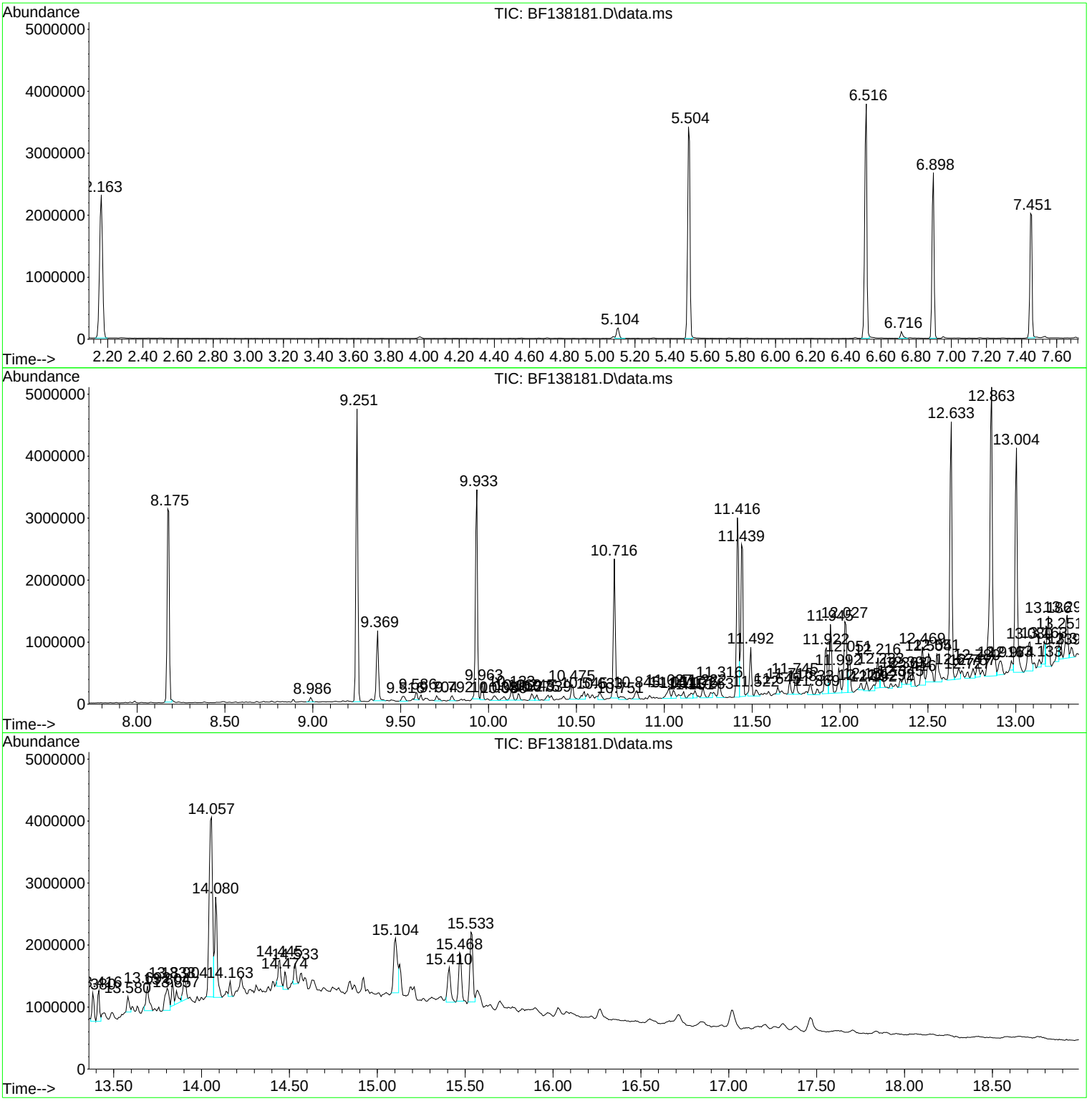
Sum of corrected areas: 72014962

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.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\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

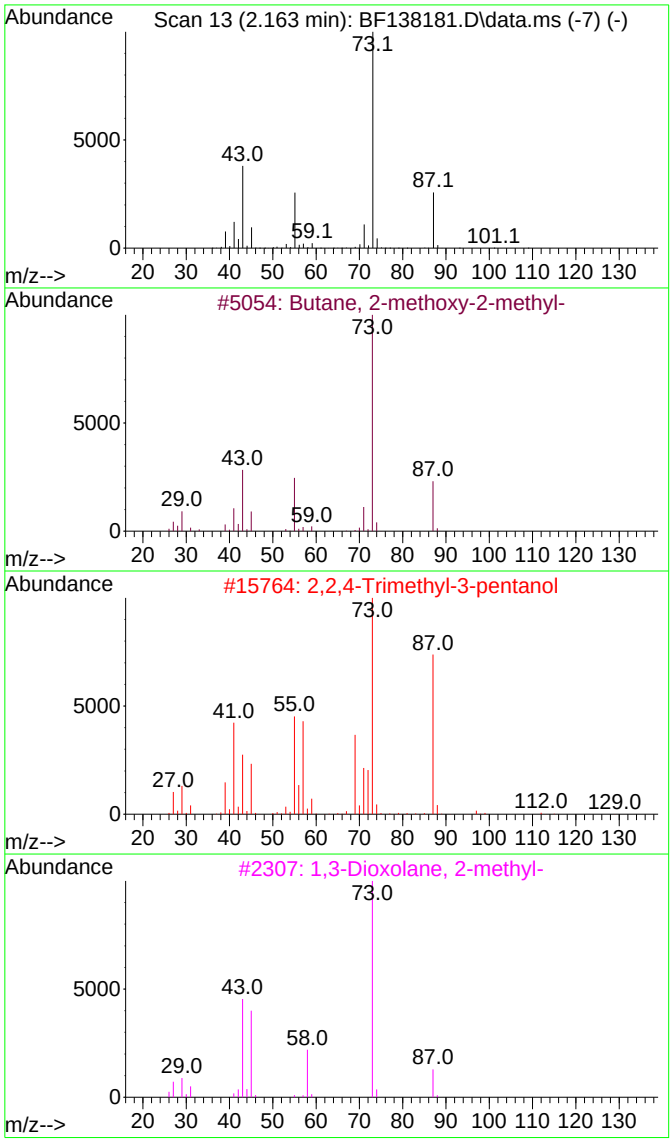
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

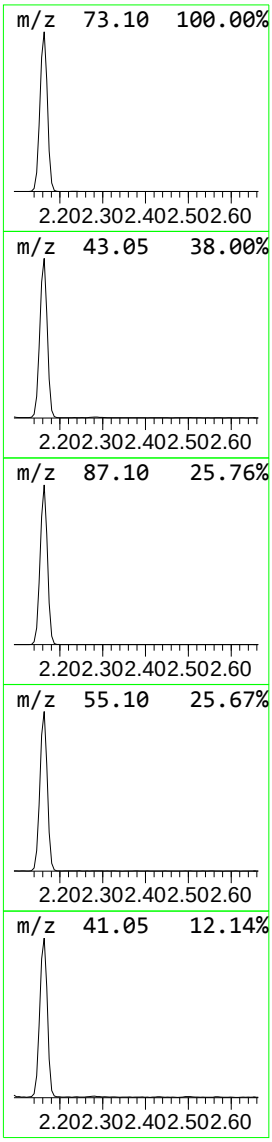
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	25.63 ng	2766290	1,4-Dichlorobenzene-d4	6.898

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	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

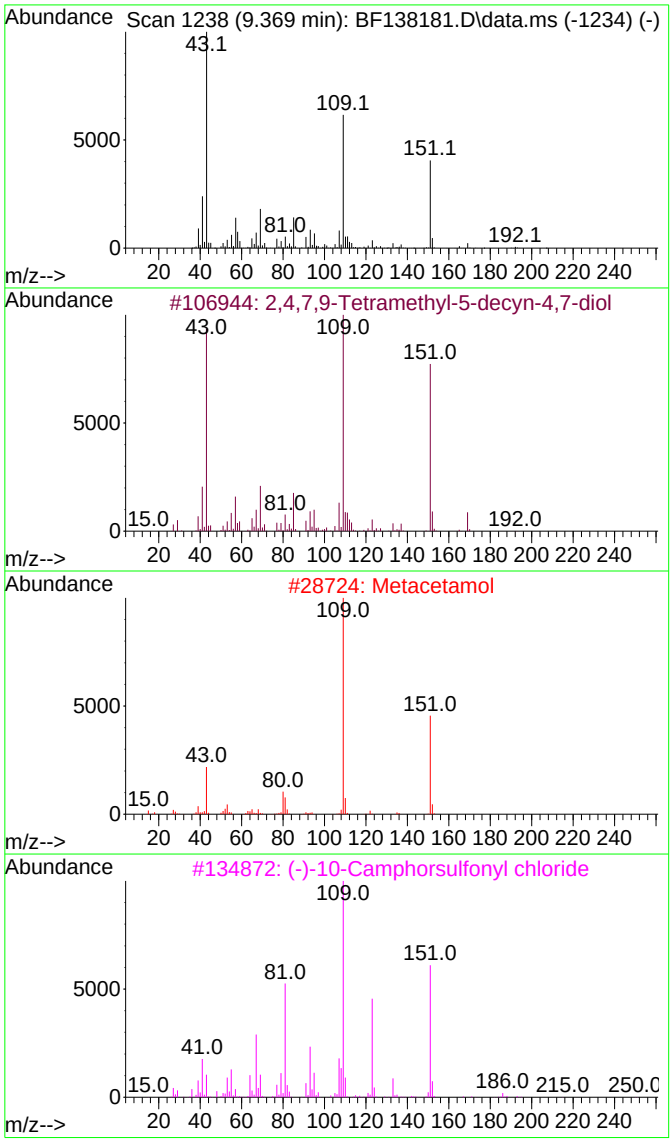
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

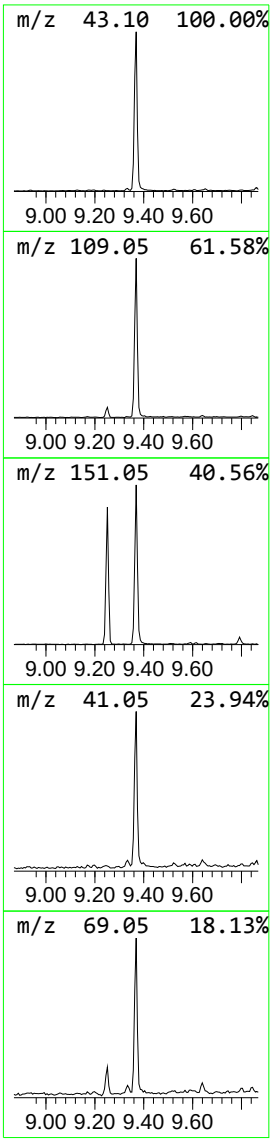
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.369	6.98 ng	948599	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	87
2	Metacetamol	151	C8H9NO2	000621-42-1	53
3	(-)-10-Camphorsulfonyl chloride	250	C10H15ClO3S	039262-22-1	45
4	Ethanone, 1-(4,5-diethyl-2-methy...	180	C12H20O	062338-24-3	38
5	2-(3,3,5-Trimethylcyclohexyl)ace...	184	C11H20O2	003213-73-8	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

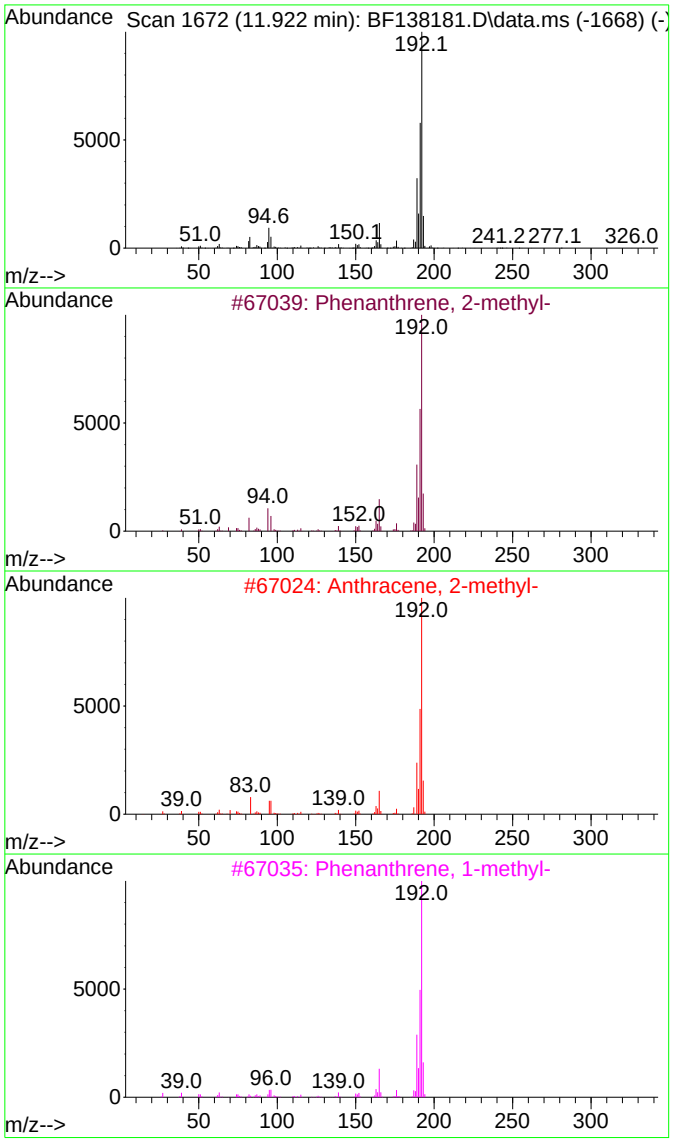
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

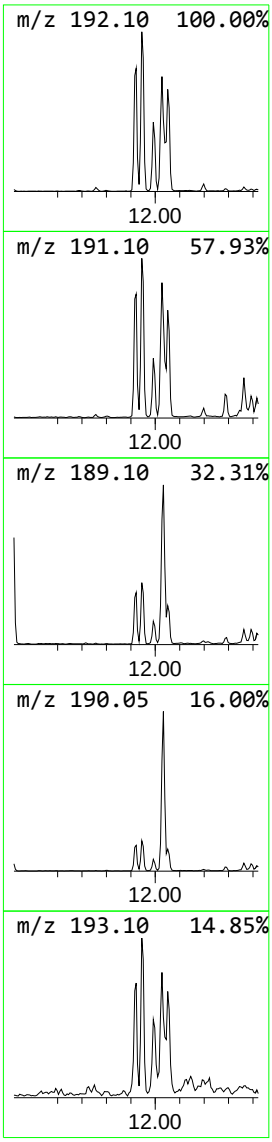
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	5.96 ng	754647	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

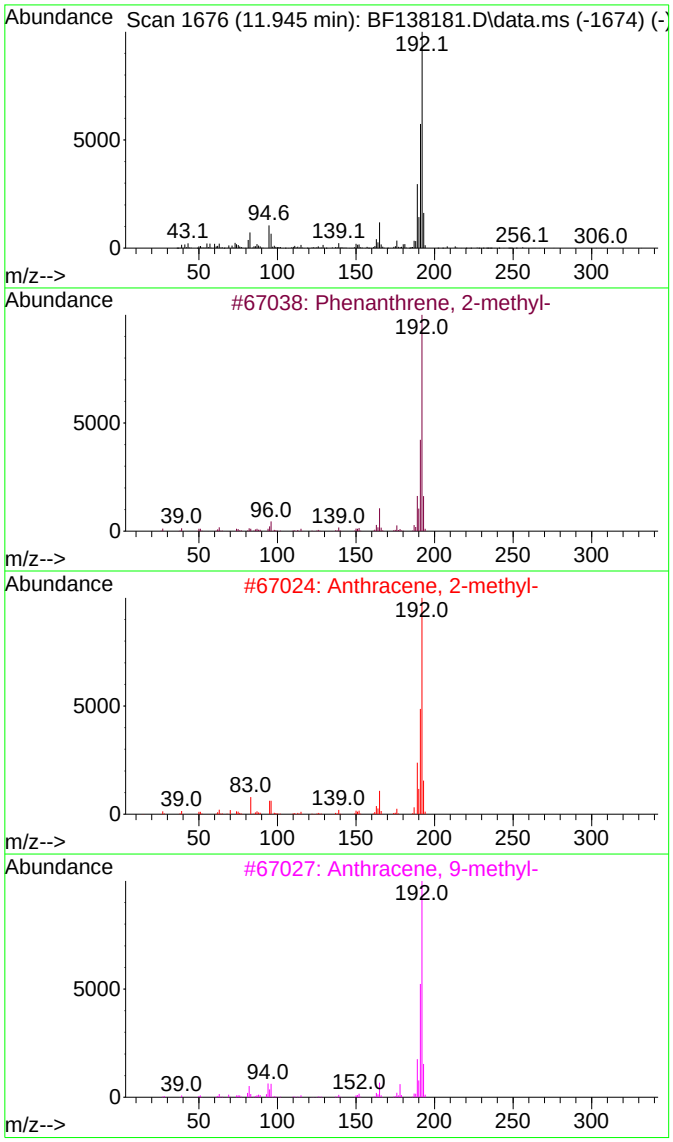
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

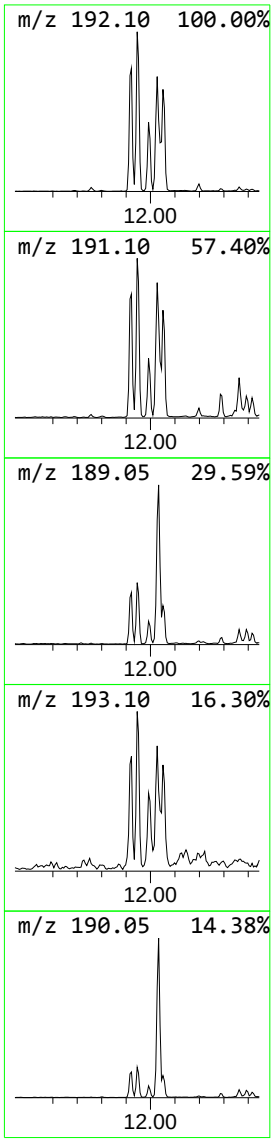
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	7.38 ng	935439	Phenanthrene-d10	11.416

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

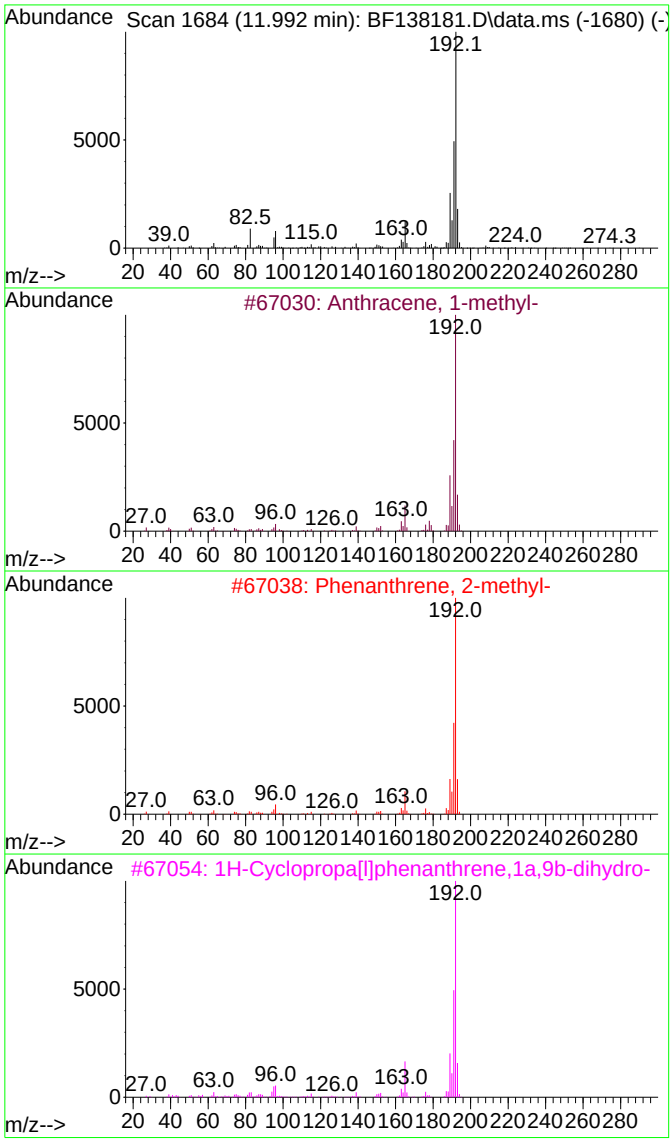
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

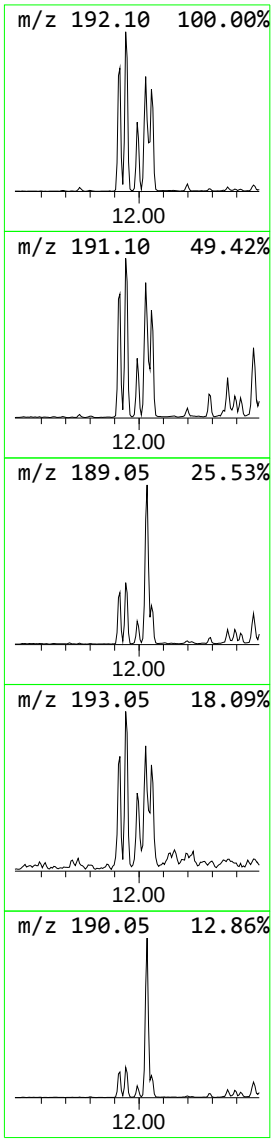
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	3.01 ng	381230	Phenanthrene-d10	11.416

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

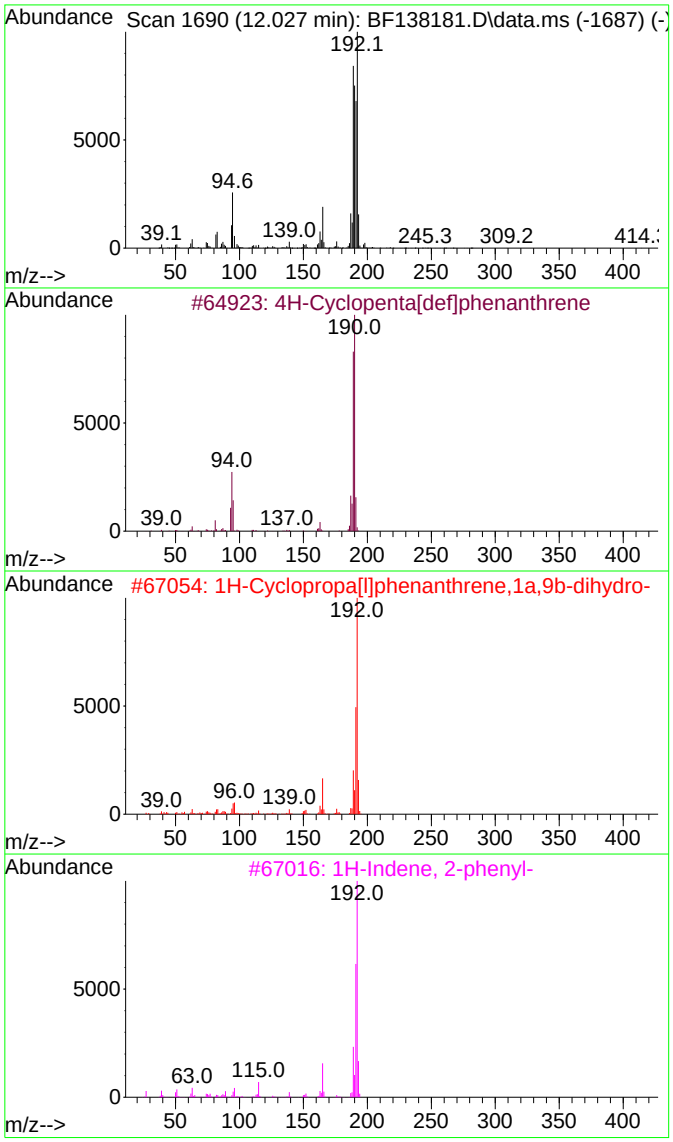
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

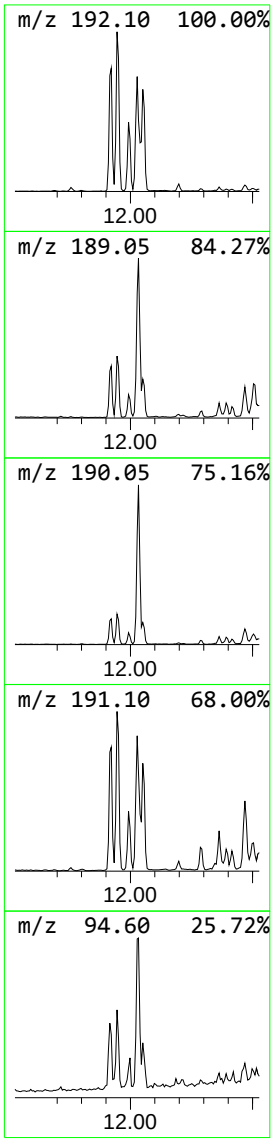
****

Peak Number 6 unknown12.027 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	10.54 ng	1335790	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

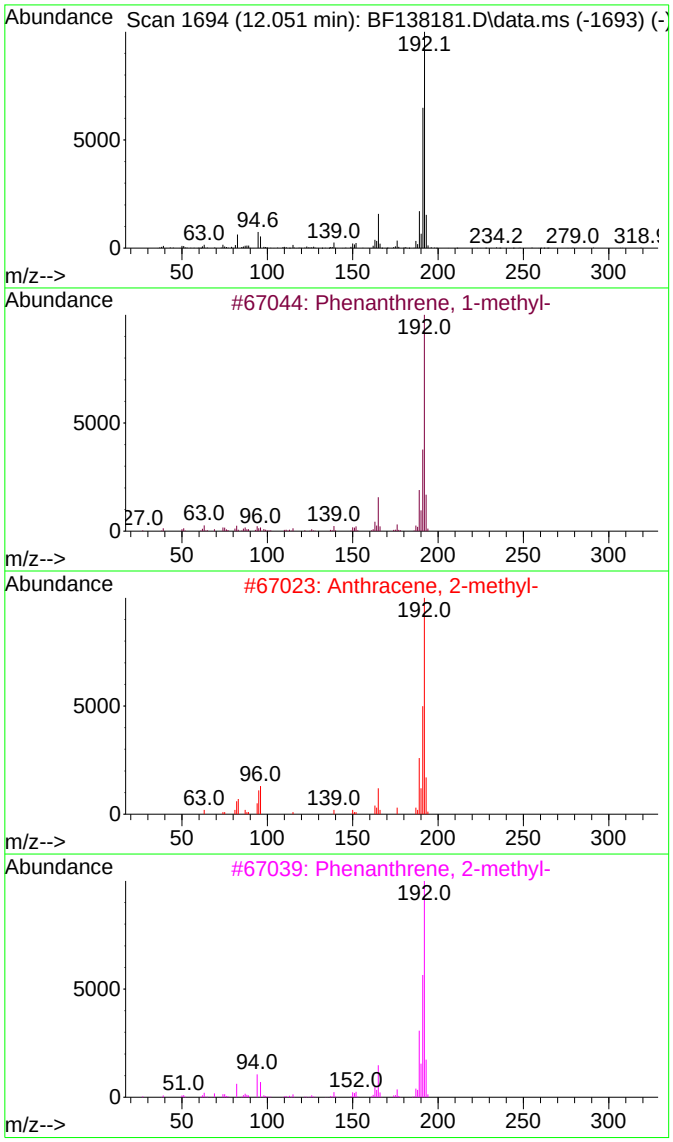
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

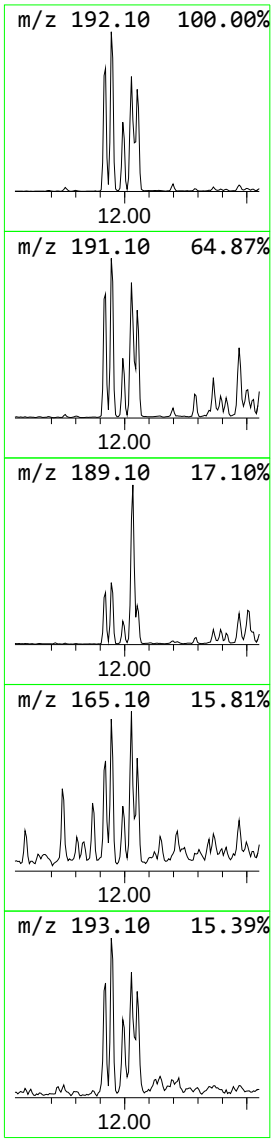
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	3.38 ng	427862	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

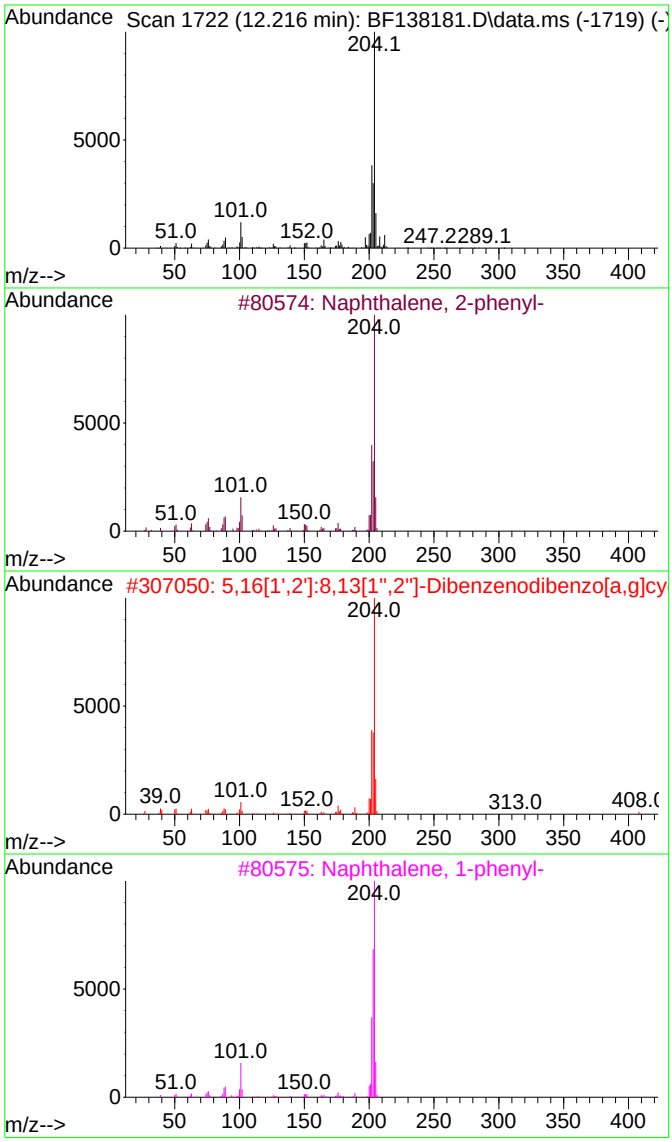
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

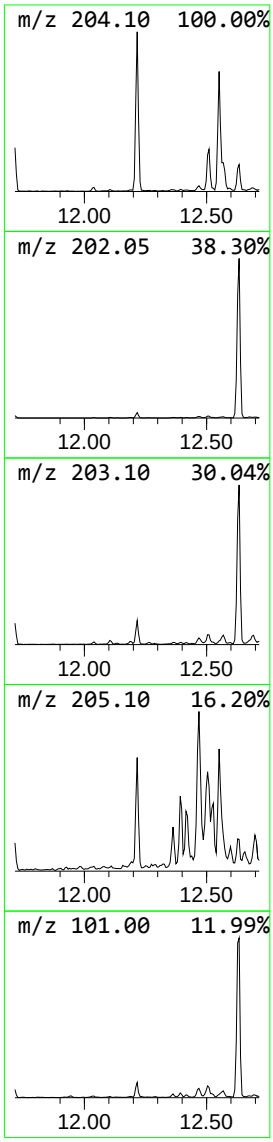
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	3.52 ng	446519	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

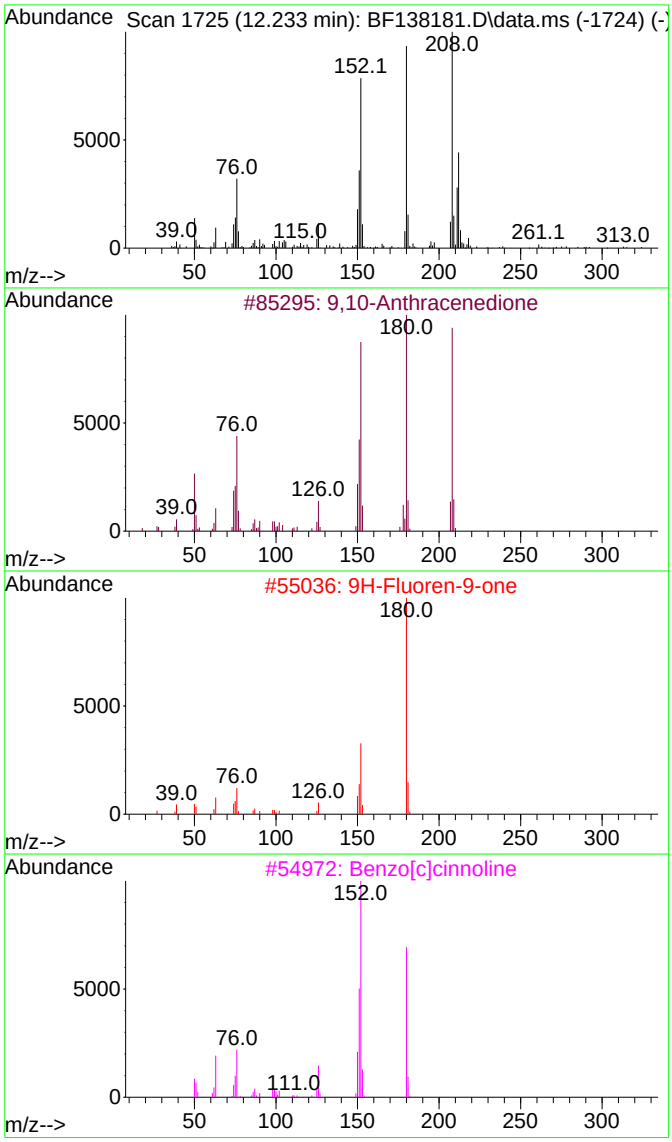
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

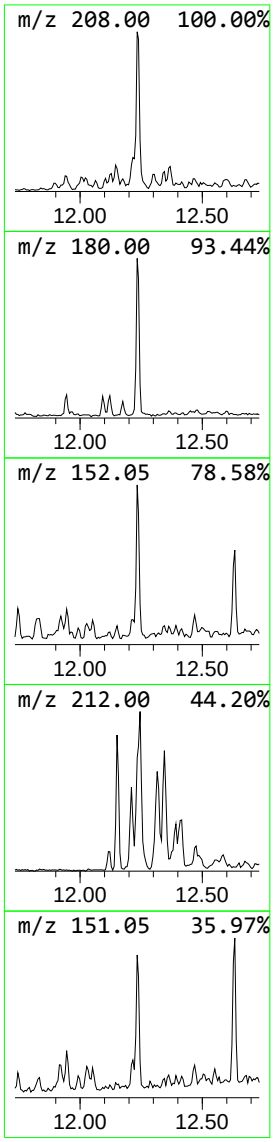
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	2.30 ng	291088	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

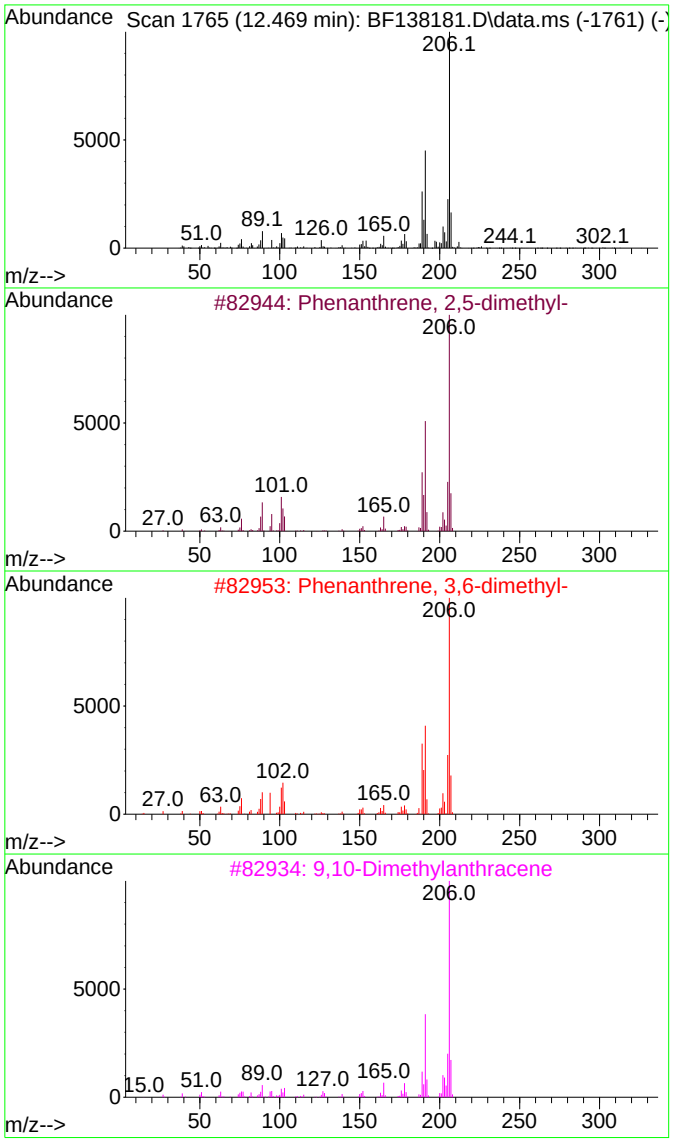
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

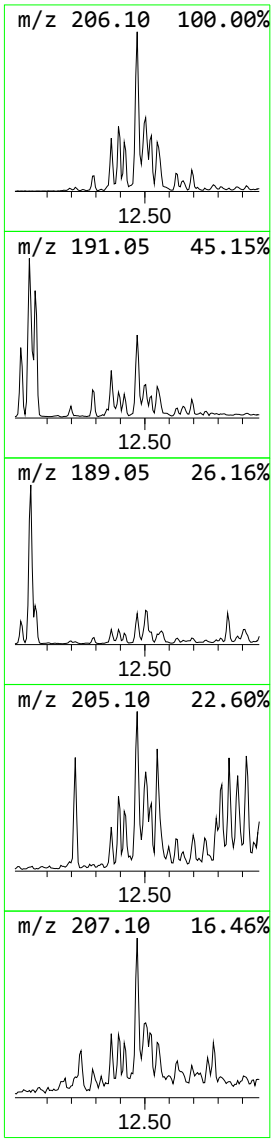
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.95 ng	626537	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

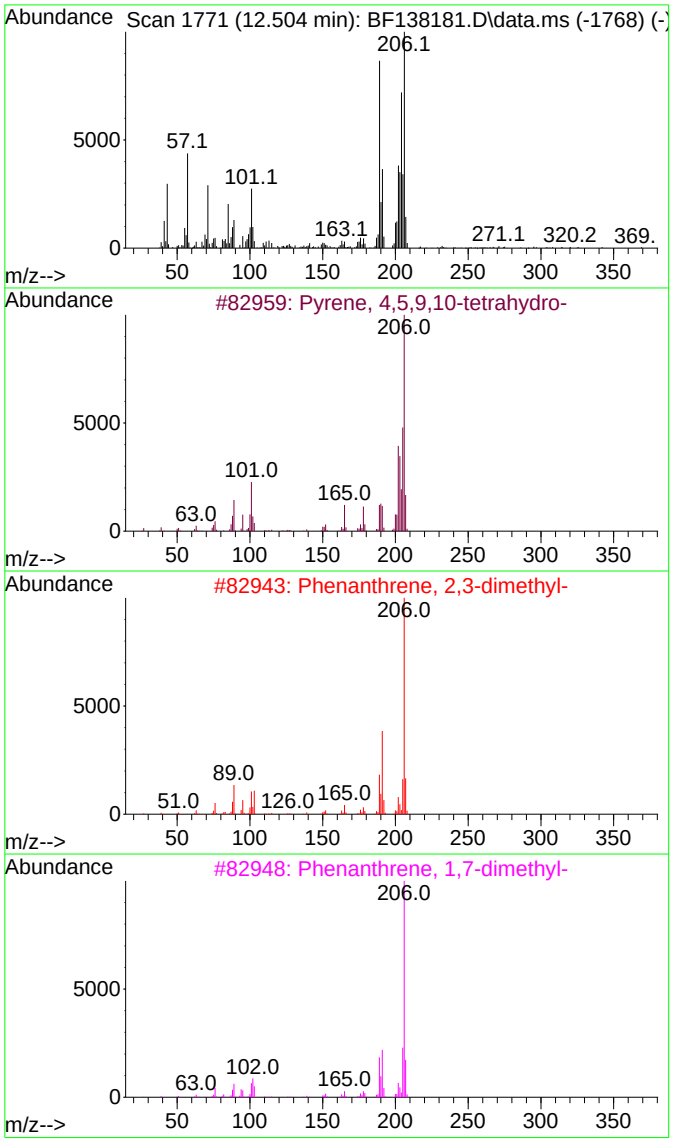
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

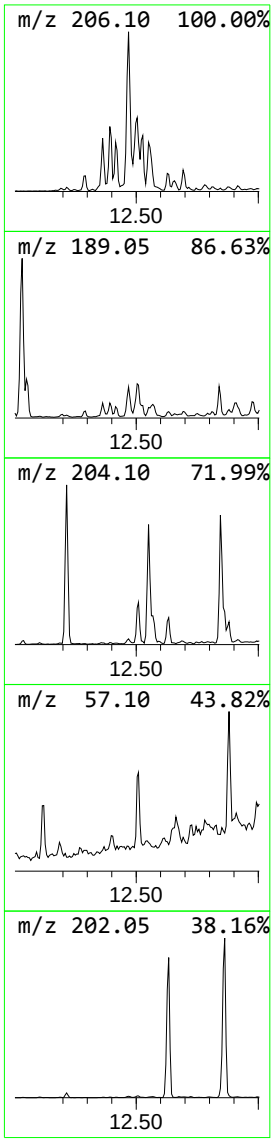
****

Peak Number 11 unknown12.504 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	4.84 ng	613296	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

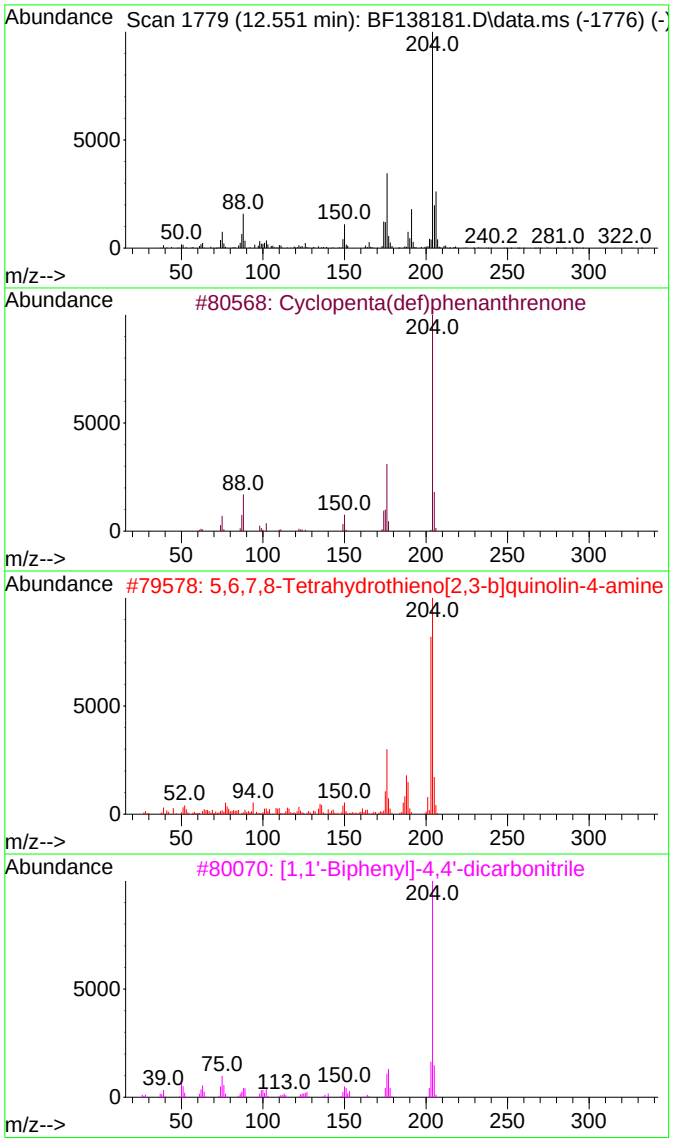
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

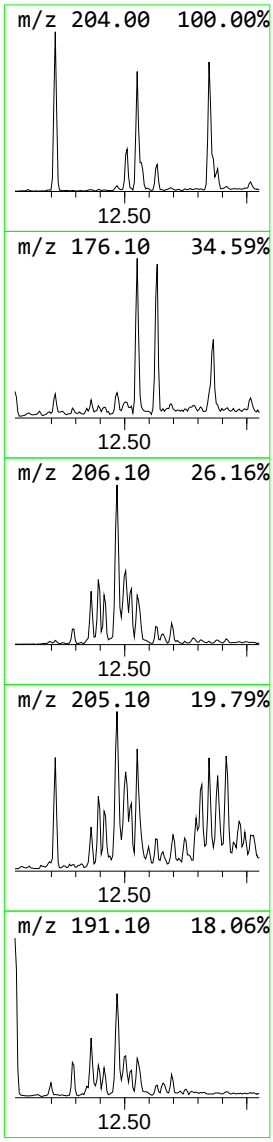
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	3.85 ng	488240	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	2-Hydroxy-5-chlorobiphenyl, acetate	246	C14H11ClO2	1000447-68-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

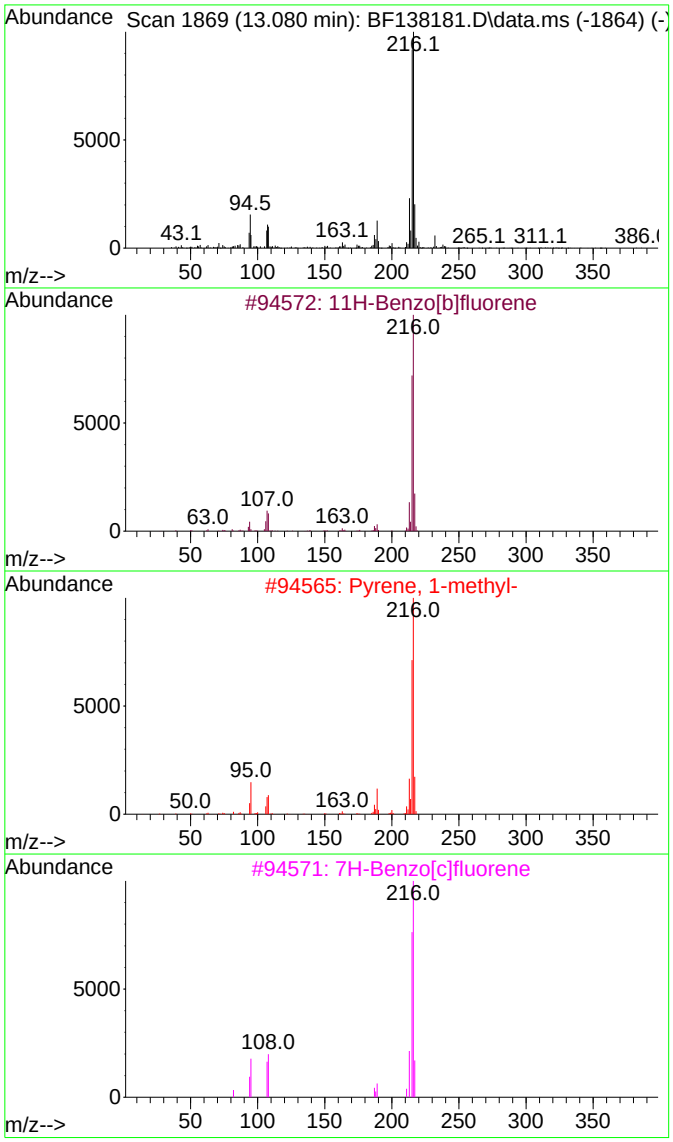
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

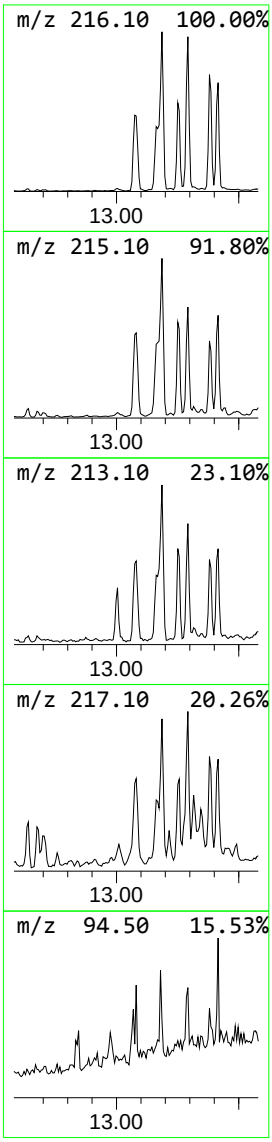
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	3.52 ng	696050	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

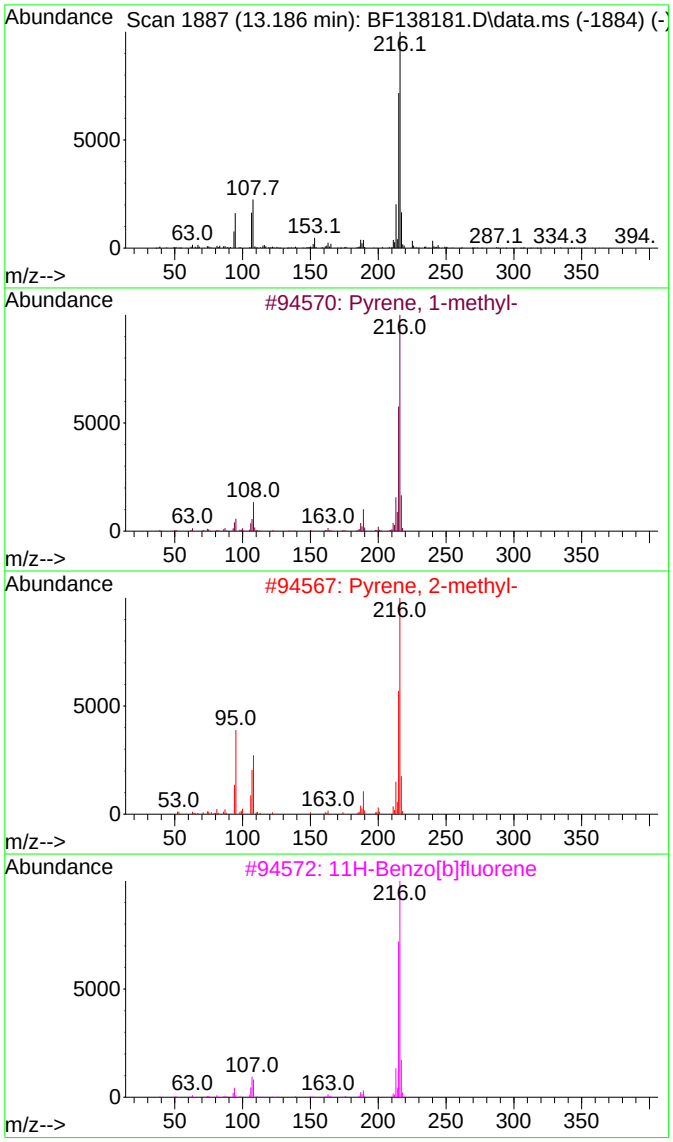
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

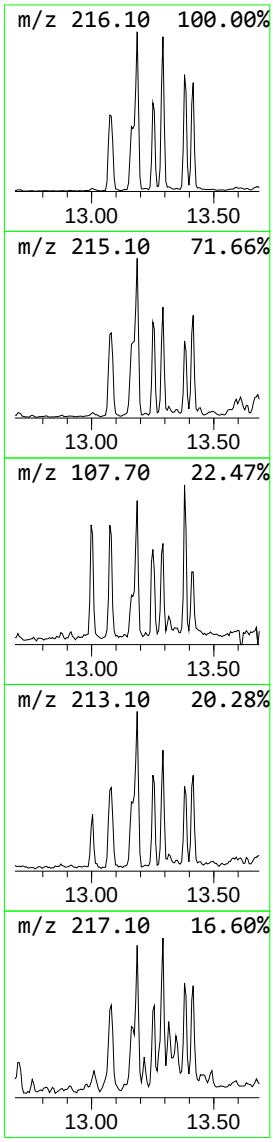
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	3.90 ng	772639	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

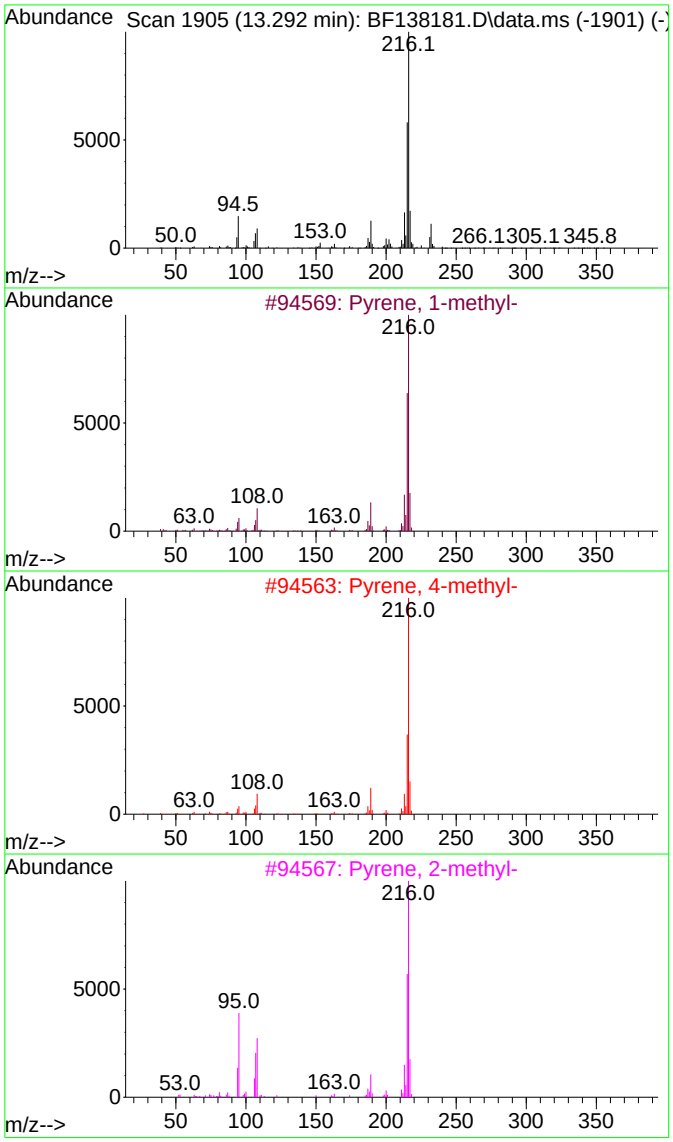
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

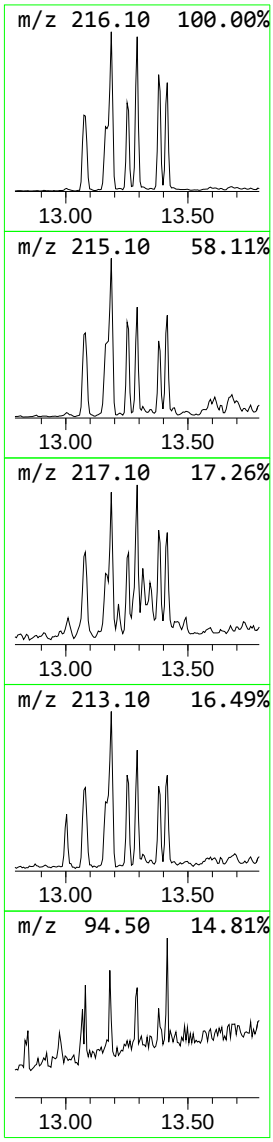
****

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	3.40 ng	672164	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

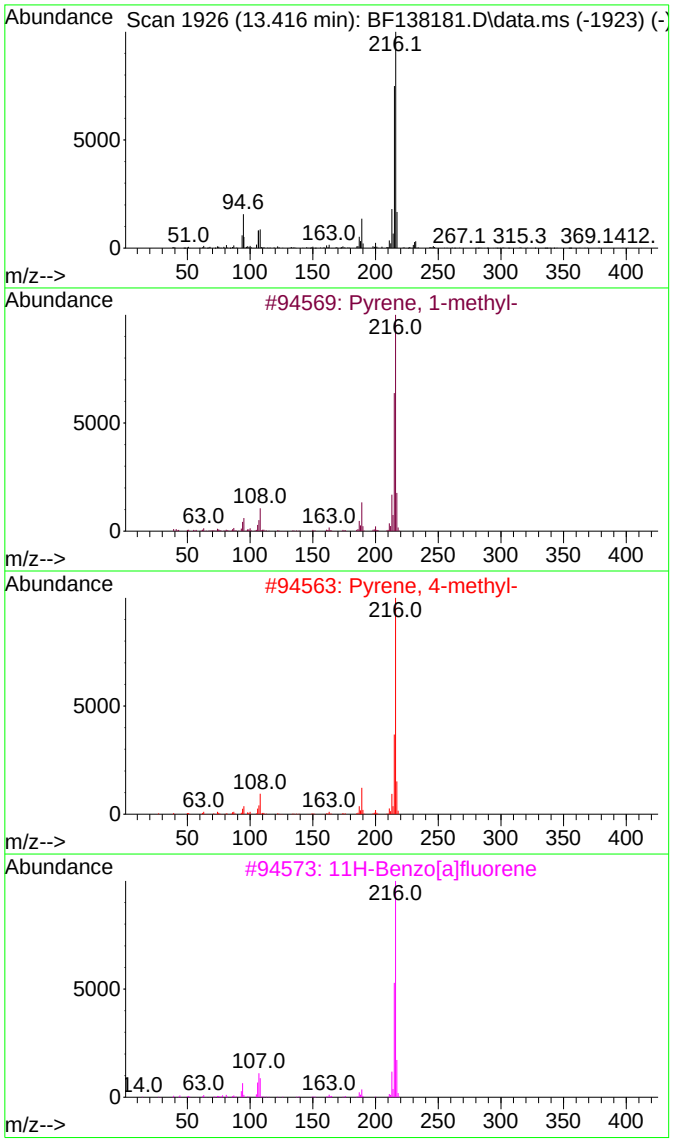
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

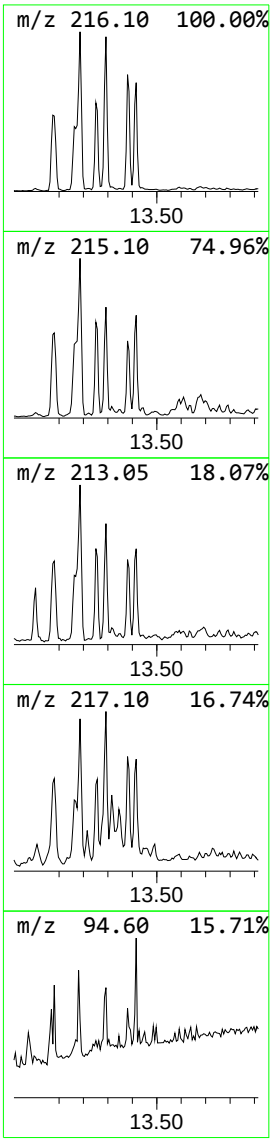
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	2.21 ng	438083	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

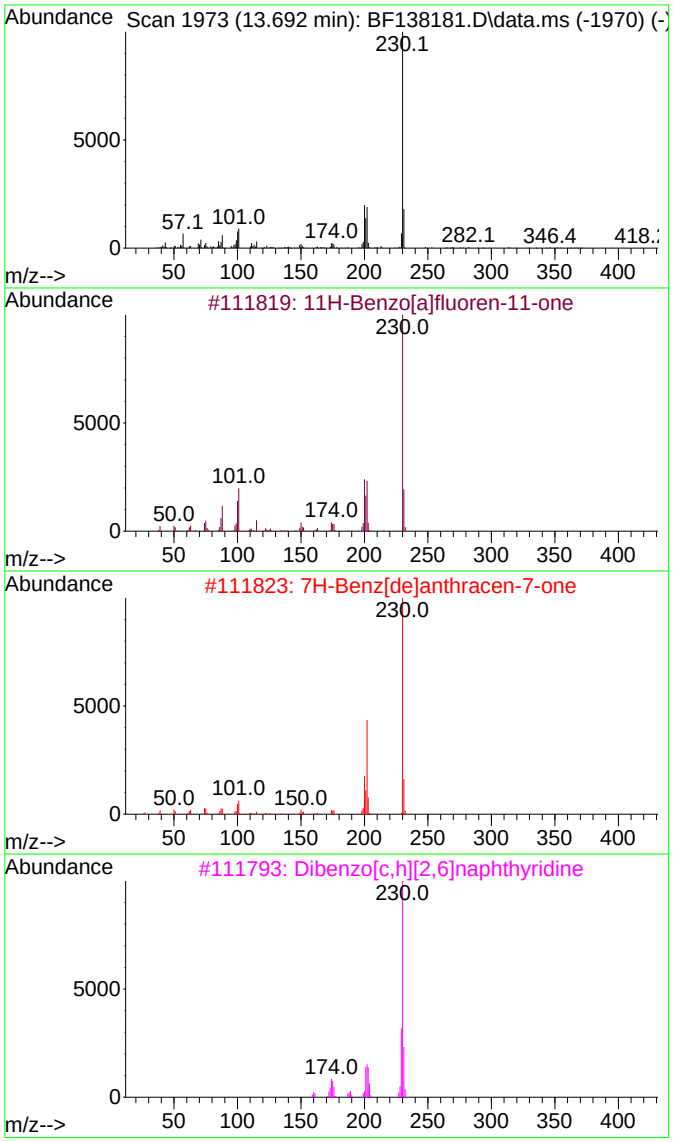
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

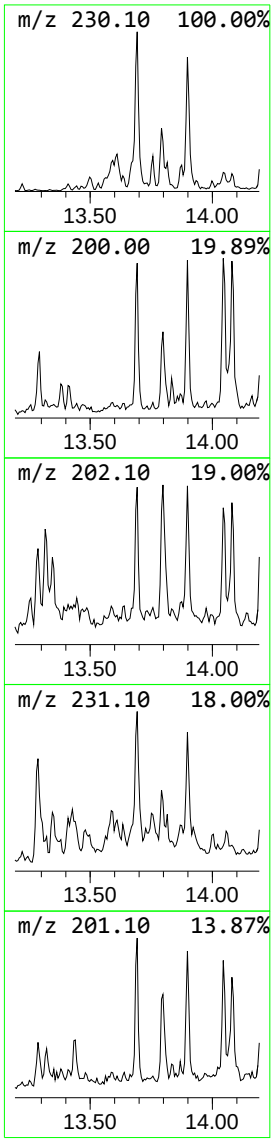
****

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.692	2.42 ng	478519	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	64
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
5	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

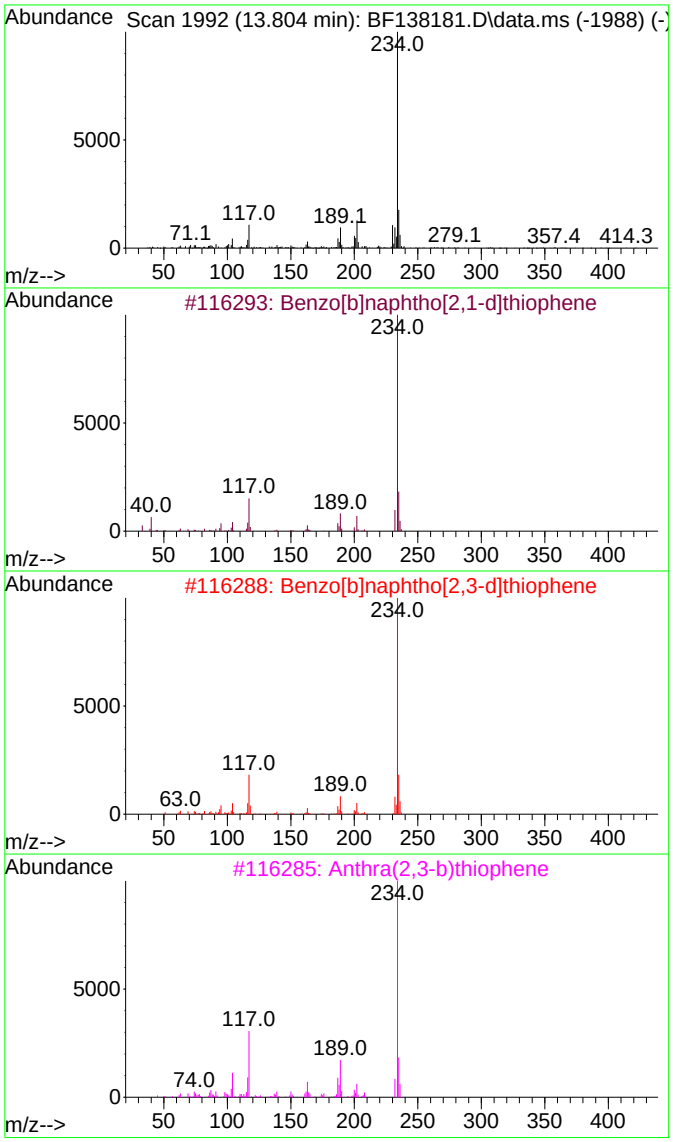
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

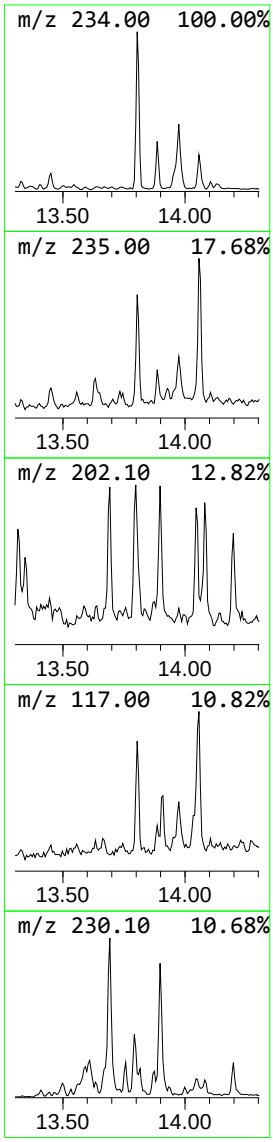
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	2.89 ng	572910	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	76
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

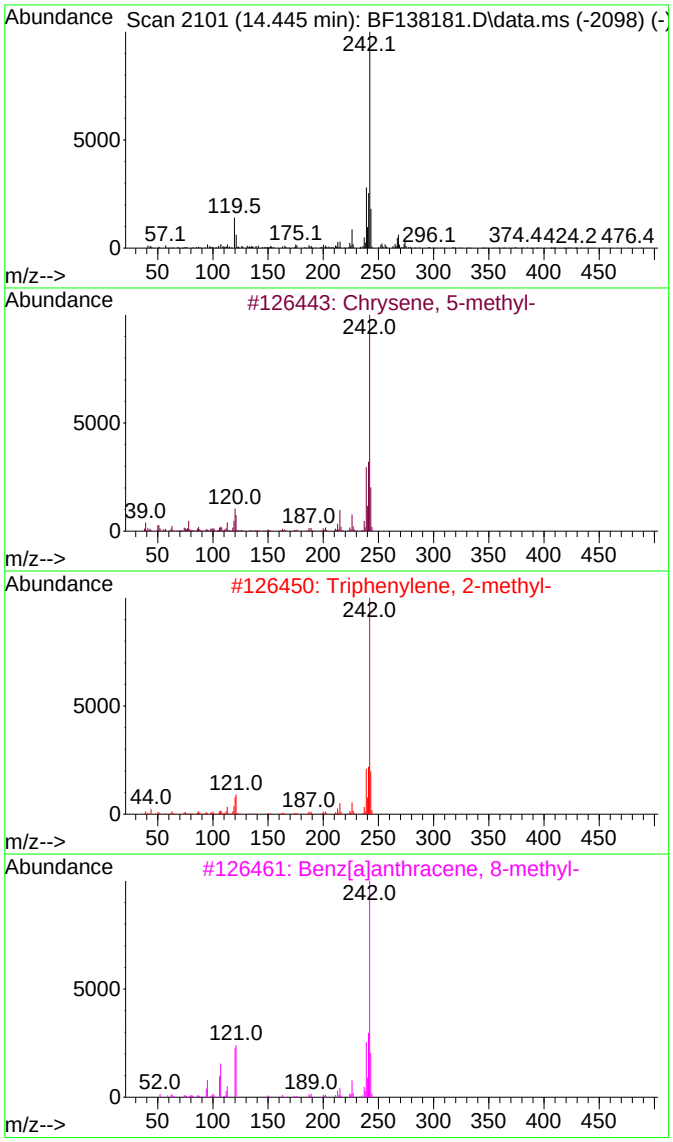
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

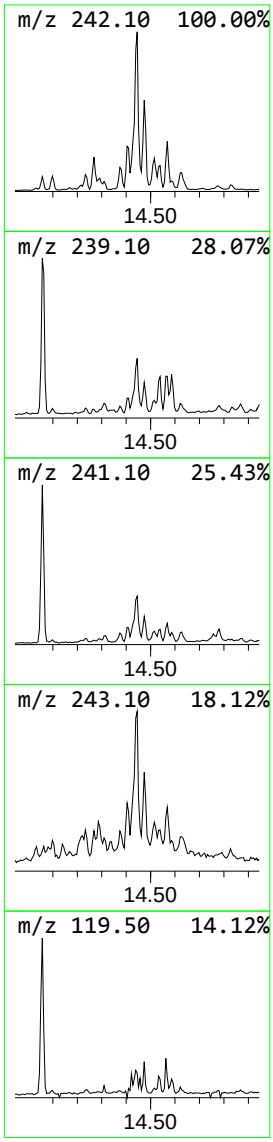
****

Peak Number 19 Chrysene, 5-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.445	2.12 ng	420522	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

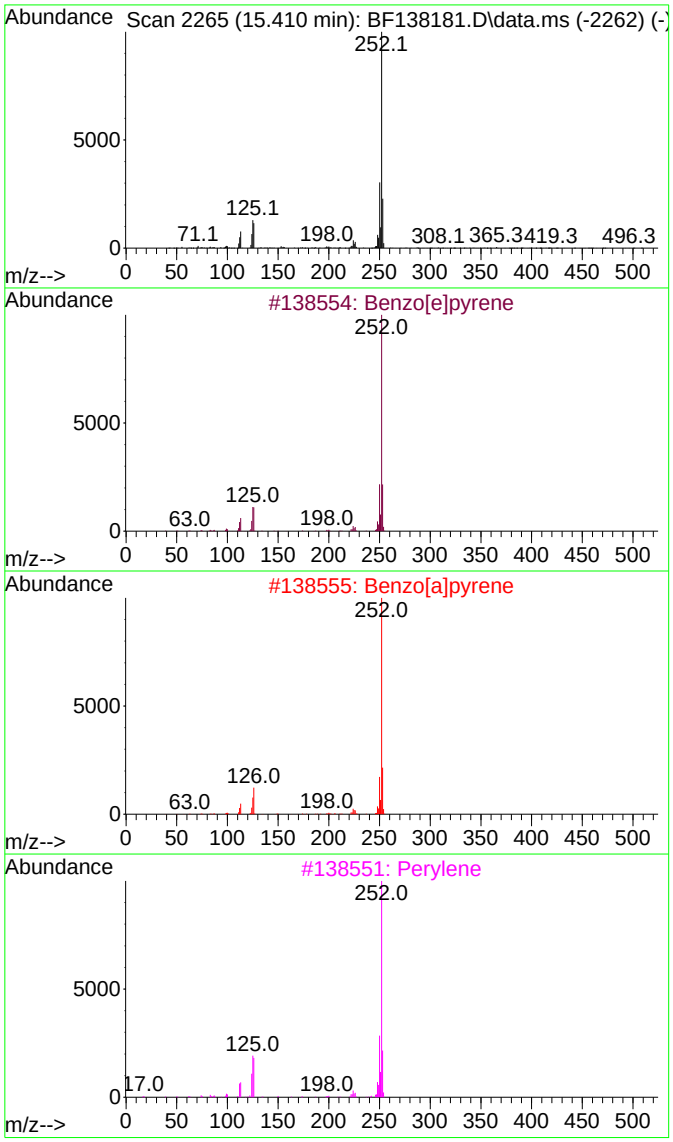
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

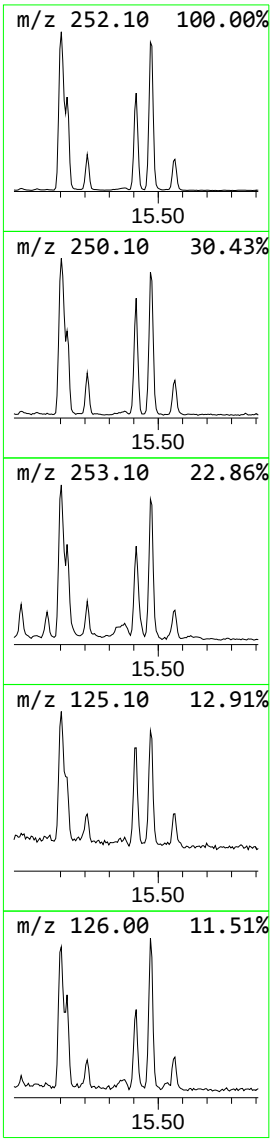
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	9.97 ng	672002	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
Data File : BF138181.D
Acq On : 10 Jun 2024 19:35
Operator : CG\JU
Sample : P2786-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-060724

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.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...	2.163	25.6	ng	2766290	1	6.898	2158850	20.0
2,4,7,9-Tetrame...	9.369	7.0	ng	948599	3	9.933	2717410	20.0
Phenanthrene, 2...	11.922	6.0	ng	754647	4	11.416	2533650	20.0
Anthracene, 2-m...	11.945	7.4	ng	935439	4	11.416	2533650	20.0
Anthracene, 1-m...	11.992	3.0	ng	381230	4	11.416	2533650	20.0
unknown12.027	12.027	10.5	ng	1335790	4	11.416	2533650	20.0
Phenanthrene, 1...	12.051	3.4	ng	427862	4	11.416	2533650	20.0
Naphthalene, 2-...	12.216	3.5	ng	446519	4	11.416	2533650	20.0
9,10-Anthracene...	12.233	2.3	ng	291088	4	11.416	2533650	20.0
Phenanthrene, 2...	12.469	5.0	ng	626537	4	11.416	2533650	20.0
unknown12.504	12.504	4.8	ng	613296	4	11.416	2533650	20.0
Cyclopenta(def)...	12.551	3.9	ng	488240	4	11.416	2533650	20.0
11H-Benzo[b]flu...	13.080	3.5	ng	696050	5	14.057	3958820	20.0
Pyrene, 1-methyl-	13.186	3.9	ng	772639	5	14.057	3958820	20.0
Pyrene, 4-methyl-	13.292	3.4	ng	672164	5	14.057	3958820	20.0
11H-Benzo[a]flu...	13.416	2.2	ng	438083	5	14.057	3958820	20.0
11H-Benzo[a]flu...	13.692	2.4	ng	478519	5	14.057	3958820	20.0
Benzo[b]naphtho...	13.804	2.9	ng	572910	5	14.057	3958820	20.0
Chrysene, 5-met...	14.445	2.1	ng	420522	5	14.057	3958820	20.0
Benzo[e]pyrene	15.410	10.0	ng	672002	6	15.539	1348710	20.0