LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-TPJ

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-BF051424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.381	43	50	56	rBV	1345069	1773377	28.94%	2.040%
2	5.663	603	608	611	rBV	1911026	1790387	29.22%	2.060%
3	6.651	771	776	779	rBV	1998581	1771983	28.92%	2.039%
4	7.040	838	842	845	rBV	1115283	825327	13.47%	0.950%
5	7.598	933	937	940	rBV	1409842	1147536	18.73%	1.320%
6	8.322	1056	1060	1063	rBV	1431347	1133121	18.49%	1.304%
7	9.398	1239	1243	1246	rBV	2797531	2435349	39.75%	2.802%
8	10.081	1356	1359	1362	rBV	1553453	1295961	21.15%	1.491%
9	10.116	1362	1365	1368	rVV	502166	378656	6.18%	0.436%
10	10.286	1389	1394	1397	rBV2	153690	180812	2.95%	0.208%
11	10.628	1449	1452	1457	rBV	321307	322616	5.27%	0.371%
12	10.786	1477	1479	1484	rVB2	160976	168070	2.74%	0.193%
13	10.869	1490	1493	1497	rVB	1701083	1597192	26.07%	1.838%
14	11.180	1539	1546	1548	rBV2	213425	301270	4.92%	0.347%
15	11.210	1548	1551	1553	rVV2	162611	168738	2.75%	0.194%
16	11.304	1563	1567	1569	rBV3	111837	170088	2.78%	0.196%
17	11.328	1569	1571	1576	rVB3	158434	150240	2.45%	0.173%
18	11.375	1576	1579	1582	rVB3	179256	165484	2.70%	0.190%
19	11.422	1582	1587	1593	rBV4	168469	317364	5.18%	0.365%
20	11.475	1593	1596	1606	rVB	294385	332772	5.43%	0.383%
21	11.575	1610	1613	1615	rBV	1300819	1281818	20.92%	1.475%
22	11.604	1615	1618	1621	rVV	3995580	3506633	57.23%	4.035%
23	11.651	1623	1626	1629	rVV	1068081	896385	14.63%	1.031%
24	11.804	1648	1652	1657	rBV3	168706	261065	4.26%	0.300%
25	11.904	1666	1669	1675	rVB	244373	260084	4.24%	0.299%
26	12.080	1695	1699	1701	rVV	1228007	1104401	18.02%	1.271%
27	12.110	1701	1704	1707	rVB	1462943	1241194	20.26%	1.428%
28	12.157	1707	1712	1715	rBV	590177	612571	10.00%	0.705%
29	12.192	1715	1718	1720	rVV2	1477709	1690172	27.58%	1.945%
30	12.216	1720	1722	1725	rVB	997203	727591	11.87%	0.837%
31	12.374	1745	1749	1751	rVV	560331	545963	8.91%	0.628%
32	12.398	1751	1753	1759	rVB2	430592	434770	7.10%	0.500%
33	12.451	1759	1762	1765	rBV	191226	191113	3.12%	0.220%
34	12.522	1769	1774	1777	rVV2	455925	519091	8.47%	0.597%
35	12.551	1777	1779	1781	rVV	351446	302874	4.94%	0.348%
36	12.574	1781	1783	1786	rVV	283533	266399	4.35%	0.307%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-TPJ

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-BF051424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.633	1786	1793	1795	rVV	952846	1139309	18.59%	1.311%
38	12.669	1795	1799	1801	rVV2	591140	816270	13.32%	0.939%
39	12.722	1804	1808	1812	rVV2	600205	803811	13.12%	0.925%
40	12.804	1817	1822	1825	rVV	5316435	5334310	87.06%	6.138%
41	12.839	1825	1828	1829	rVV	199922	197771	3.23%	0.228%
42	12.857	1829	1831	1835	rVV2	318939	300465	4.90%	0.346%
43	12.922	1838	1842	1844	rVV2	147298	189081	3.09%	0.218%
44	12.951	1844	1847	1849	rVV2	353349	365145	5.96%	0.420%
45	12.969	1849	1850	1854	rVB2	332713	292313	4.77%	0.336%
46	13.039	1854	1862	1865	rBV	4750806	6127316	100.00%	7.050%
47	13.074	1865	1868	1872	rVB2	494946	543692	8.87%	0.626%
48	13.163	1872	1883	1885	rBV	2500514	2671059	43.59%	3.073%
49	13.180	1885	1886	1890	rVB2	373619	310333	5.06%	0.357%
50	13.239	1892	1896	1903	rBV6	539739	1021538	16.67%	1.175%
51	13.327	1908	1911	1913	rVV3	432953	567642	9.26%	0.653%
52	13.351	1913	1915	1918	rVB	862251	801222	13.08%	0.922%
53	13.421	1924	1927	1929	rVB	501102	404432	6.60%	0.465%
54	13.457	1929	1933	1936	rBV2	761936	845609	13.80%	0.973%
55	13.486	1936	1938	1940	rVB2	239944	186401	3.04%	0.214%
56	13.551	1946	1949	1952	rBV	555028	508619	8.30%	0.585%
57	13.586	1952	1955	1957	rVB	520233	468764	7.65%	0.539%
58	13.633	1960	1963	1965	rBV	813117	941154	15.36%	1.083%
59	13.757	1981	1984	1985	rVV2	211717	242753	3.96%	0.279%
60	13.780	1986	1988	1990	rVV2	218989	226296	3.69%	0.260%
61	13.839	1995	1998	1999	rVV2	142082	151974	2.48%	0.175%
62	13.863	1999	2002	2006	rVV	567136	615160	10.04%	0.708%
63	13.974	2016	2021	2024	rBV3	514007	750509	12.25%	0.864%
64	14.004	2024	2026	2028	rVV	540923	412986	6.74%	0.475%
65	14.027	2028	2030	2034	rVV2	347915	499949	8.16%	0.575%
66	14.069	2034	2037	2042	rVB2	449718	487201	7.95%	0.561%
67	14.145	2046	2050	2056	rBV3	156390	245753	4.01%	0.283%
68	14.221	2056	2063	2067	rBV2	2969537	4360298	71.16%	5.017%
69	14.257	2067	2069	2076	rVB	2565633	2535845	41.39%	2.918%
70	14.339	2080	2083	2087	rBV	402037	373774	6.10%	0.430%
71	14.451	2098	2102	2105	rBV2	229368	330293	5.39%	0.380%
72	14.480	2105	2107	2110	rVB2	173166	150131	2.45%	0.173%
73	14.574	2121	2123	2125	rBV	181671	160923	2.63%	0.185%
74	14.616	2125	2130	2133	rVV	860909	971044	15.85%	1.117%
75	14.651	2133	2136	2139	rVB	513749	436621	7.13%	0.502%
76	14.698	2139	2144	2145	rBV2	182980	273106	4.46%	0.314%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

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-BF051424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.716	2145	2147	2149	rVV	264096	214381	3.50%	0.247%
78	14.745	2149	2152	2154	rVV2	359817	324671	5.30%	0.374%
79	14.768	2154	2156	2160	rVB2	339530	314045	5.13%	0.361%
80	14.816	2160	2164	2171	rVB3	205887	334470	5.46%	0.385%
81	14.945	2180	2186	2188	rBV3	183253	297006	4.85%	0.342%
82	15.063	2204	2206	2210	rVB2	150961	172717	2.82%	0.199%
83	15.145	2216	2220	2228	rVB2	236649	432525	7.06%	0.498%
84	15.215	2229	2232	2237	rVV3	113092	165923	2.71%	0.191%
85	15.333	2245	2252	2255	rBV	2059456	3871739	63.19%	4.455%
86	15.357	2255	2256	2259	rVB	1215016	793304	12.95%	0.913%
87	15.439	2267	2270	2274	rBV	472330	512821	8.37%	0.590%
88	15.539	2283	2287	2289	rBV2	144353	220883	3.60%	0.254%
89	15.663	2303	2308	2314	rVB	1348895	1961157	32.01%	2.257%
90	15.733	2314	2320	2325	rVB	1963816	2596195	42.37%	2.987%
91	15.798	2326	2331	2334	rBV	726605	1057109	17.25%	1.216%
92	15.833	2334	2337	2342	rVB2	685298	923387	15.07%	1.062%
93	16.186	2394	2397	2405	rVB2	99961	170467	2.78%	0.196%
94	16.321	2416	2420	2424	rBV2	86173	152777	2.49%	0.176%
95	16.410	2431	2435	2439	rBV	136382	195478	3.19%	0.225%
96	17.421	2600	2607	2615	rVB2	737396	1618490	26.41%	1.862%
97	17.615	2634	2640	2645	rBV	162765	305059	4.98%	0.351%
98	17.680	2646	2651	2657	rBV2	130184	259740	4.24%	0.299%
99	17.921	2683	2692	2705	rVB	566180	1342018	21.90%	1.544%
100	18.174	2728	2735	2749	rVB2	125080	345182	5.63%	0.397%

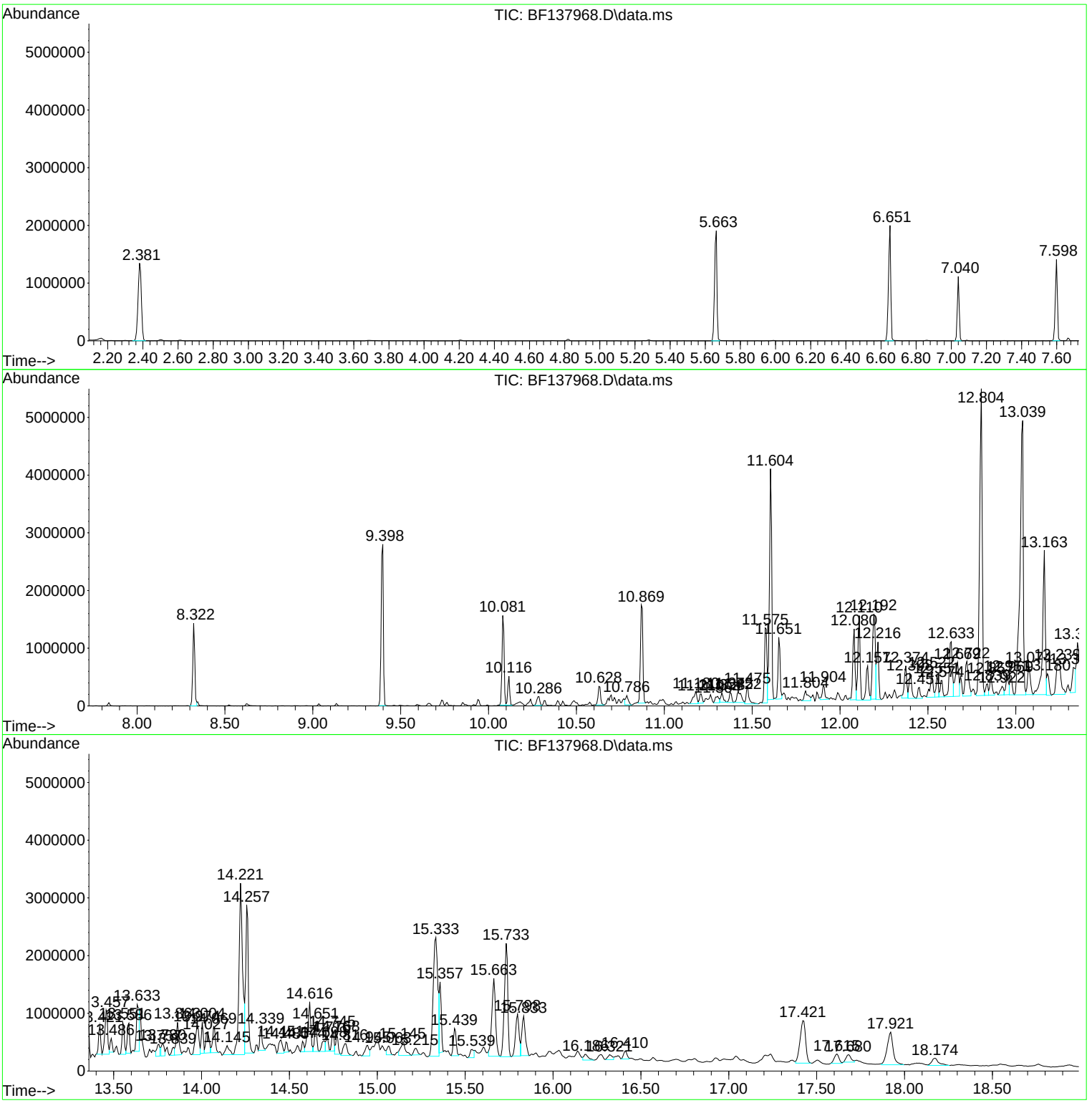
Sum of corrected areas: 86910883

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.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\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

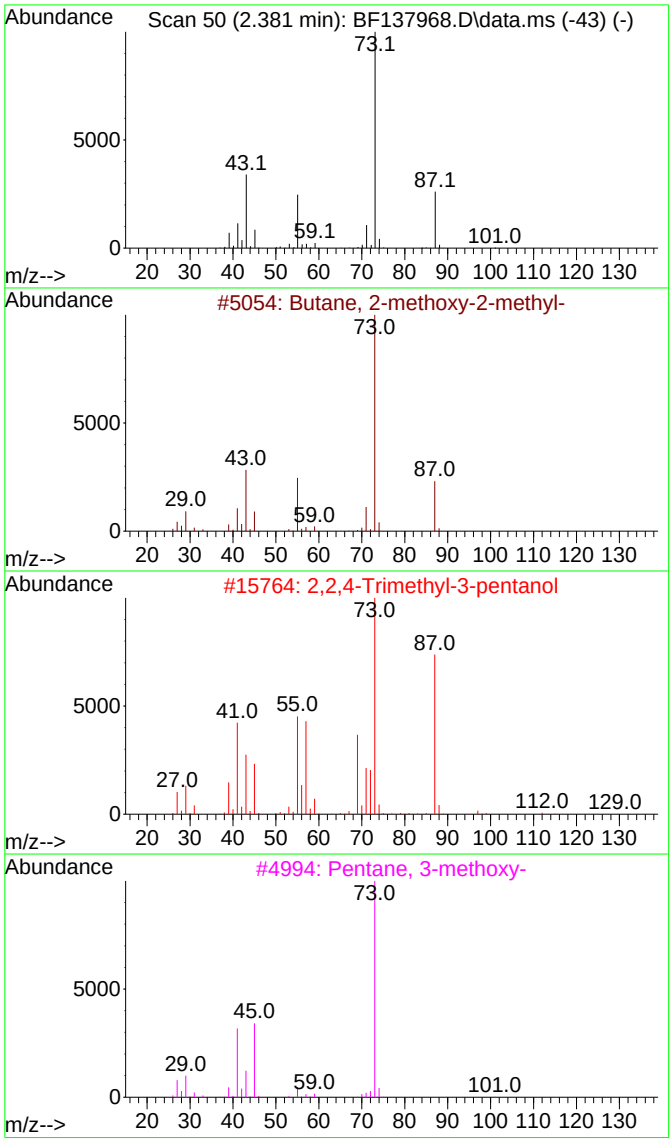
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

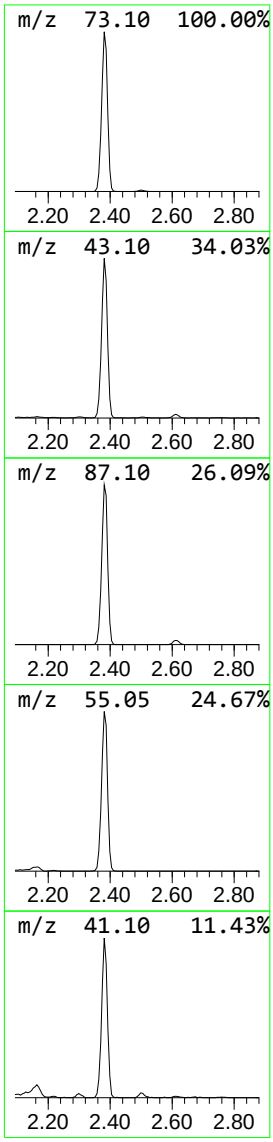
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.381	42.97 ng	1773380	1,4-Dichlorobenzene-d4	7.040

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

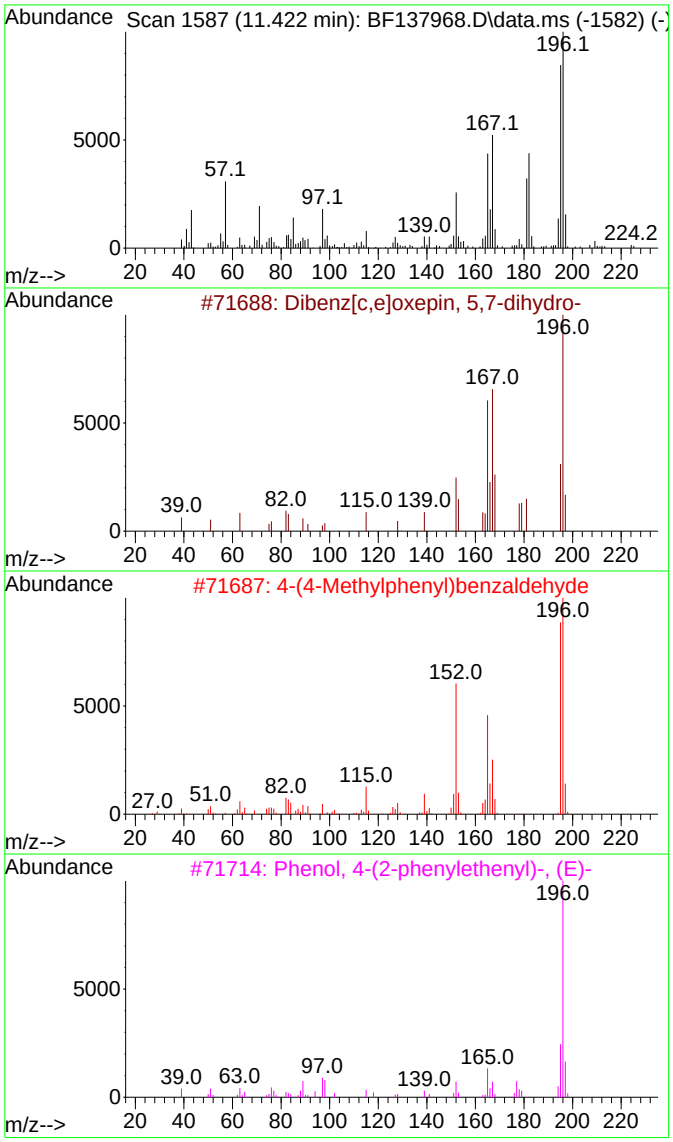
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

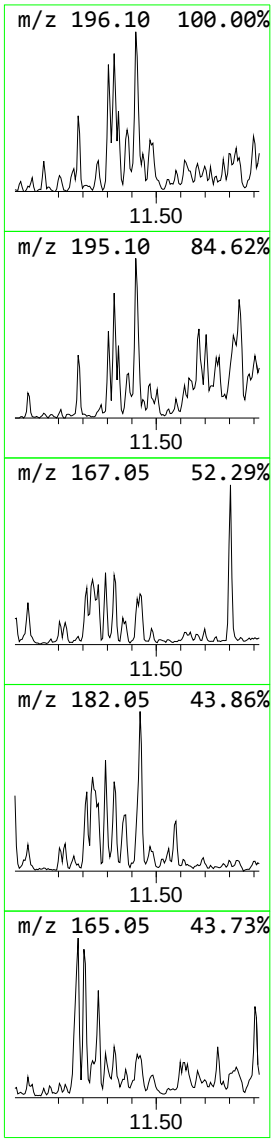
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.422	4.95 ng	317364	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	53
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	52
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	46
5	1H,2H,3H-Cyclopenta[a]naphthalen...	182	C14H14	001624-22-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

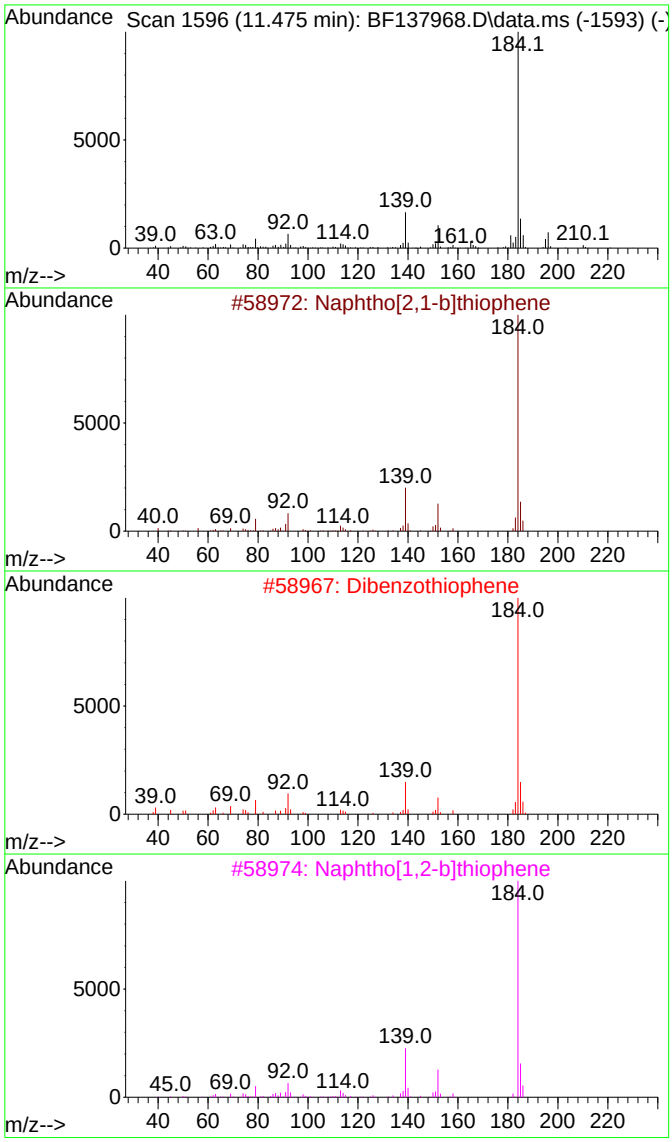
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

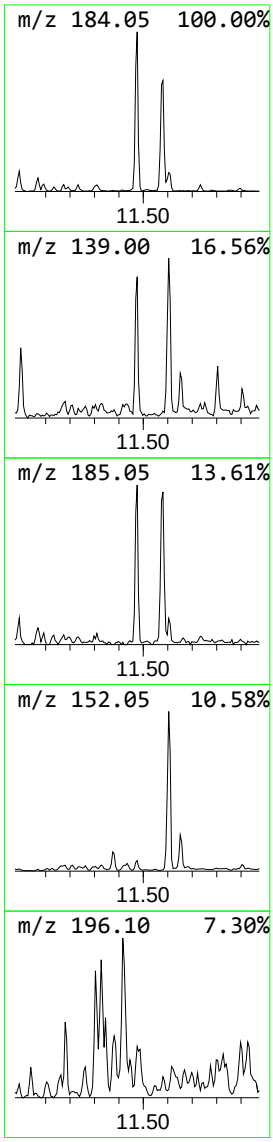
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.475	5.19 ng	332772	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

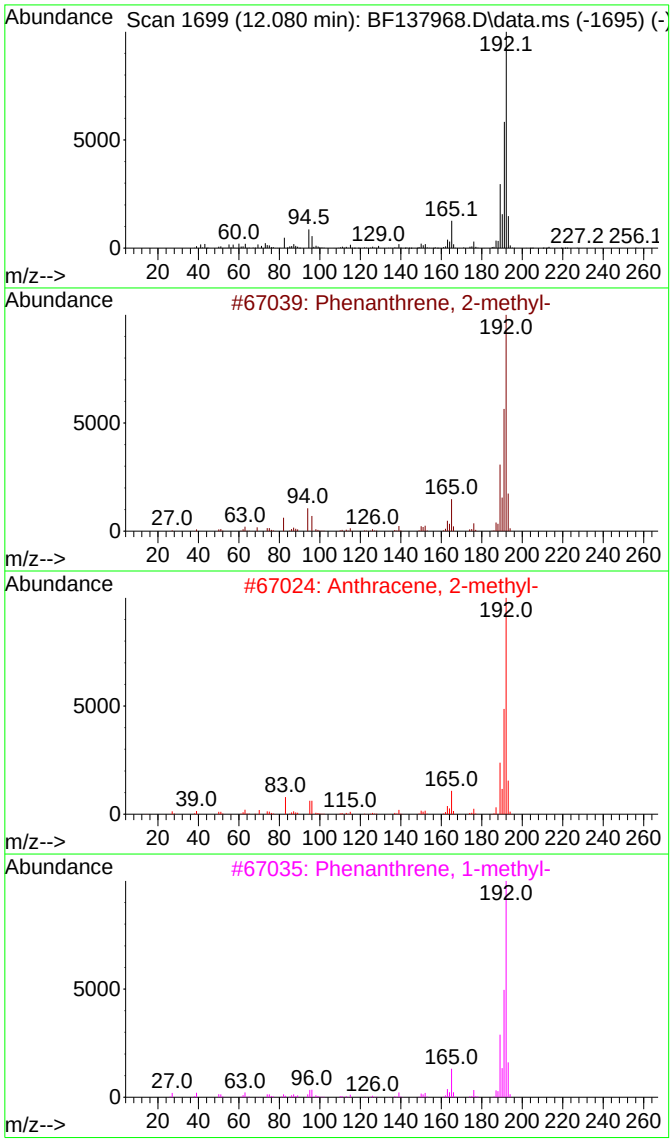
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

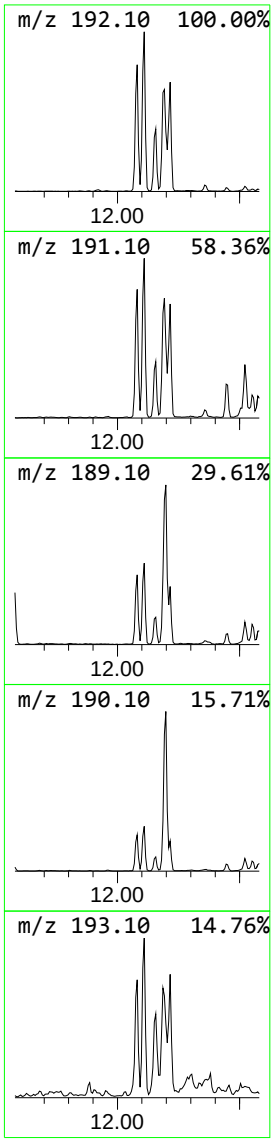
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	17.23 ng	1104400	Phenanthrene-d10	11.575

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, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

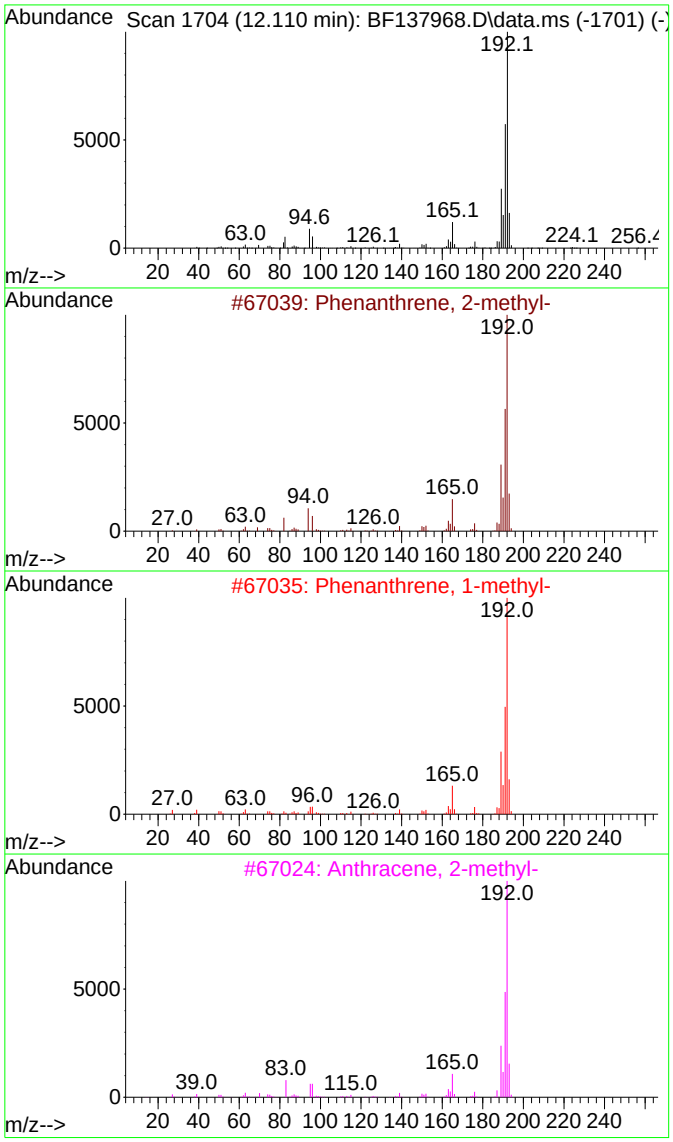
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

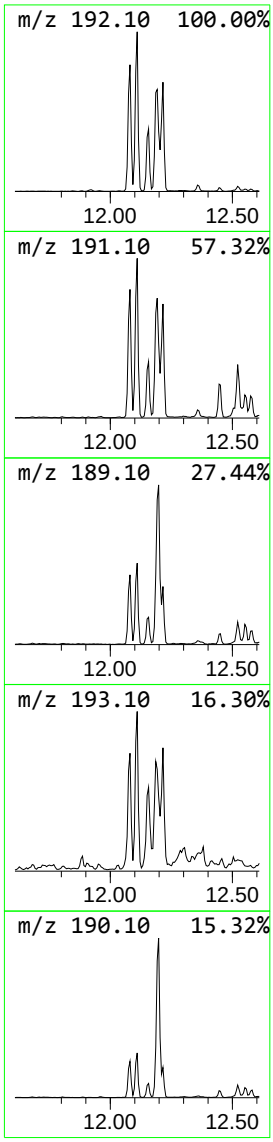
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	19.37 ng	1241190	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

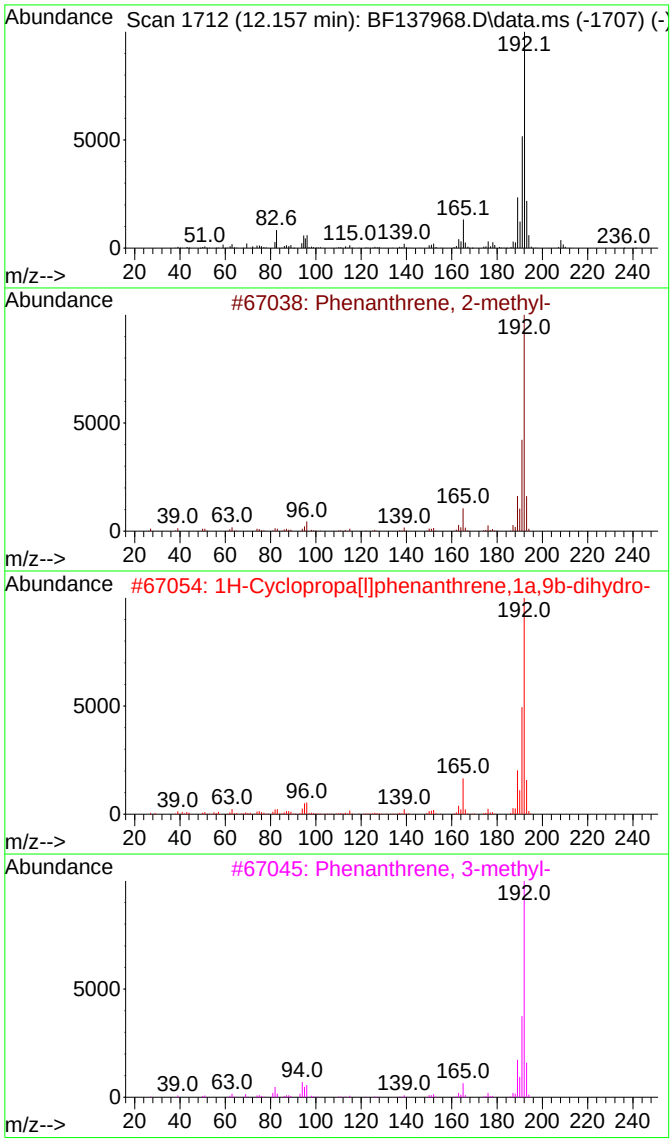
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

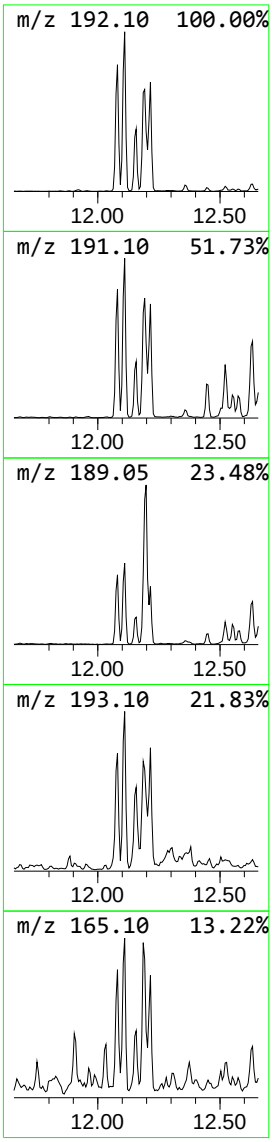
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	9.56 ng	612571	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

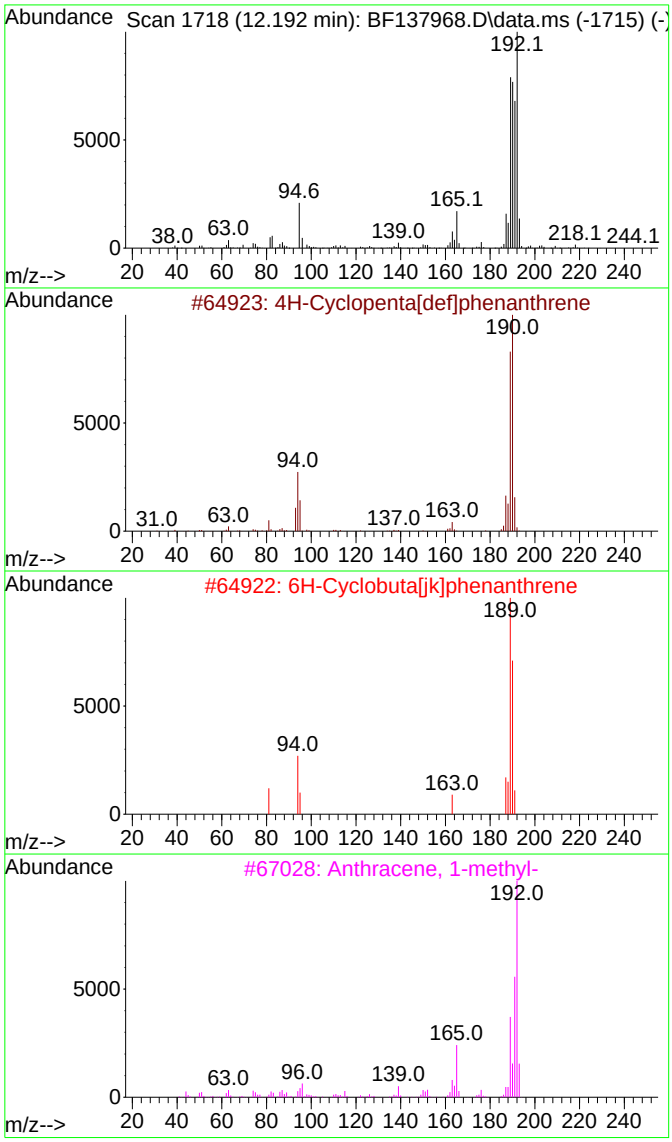
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

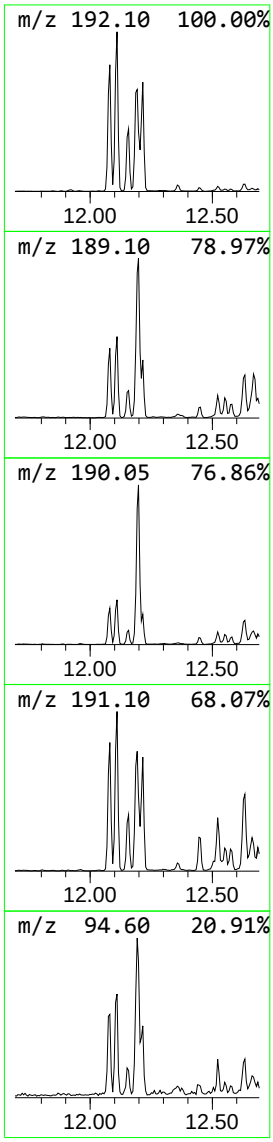
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	26.37 ng	1690170	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

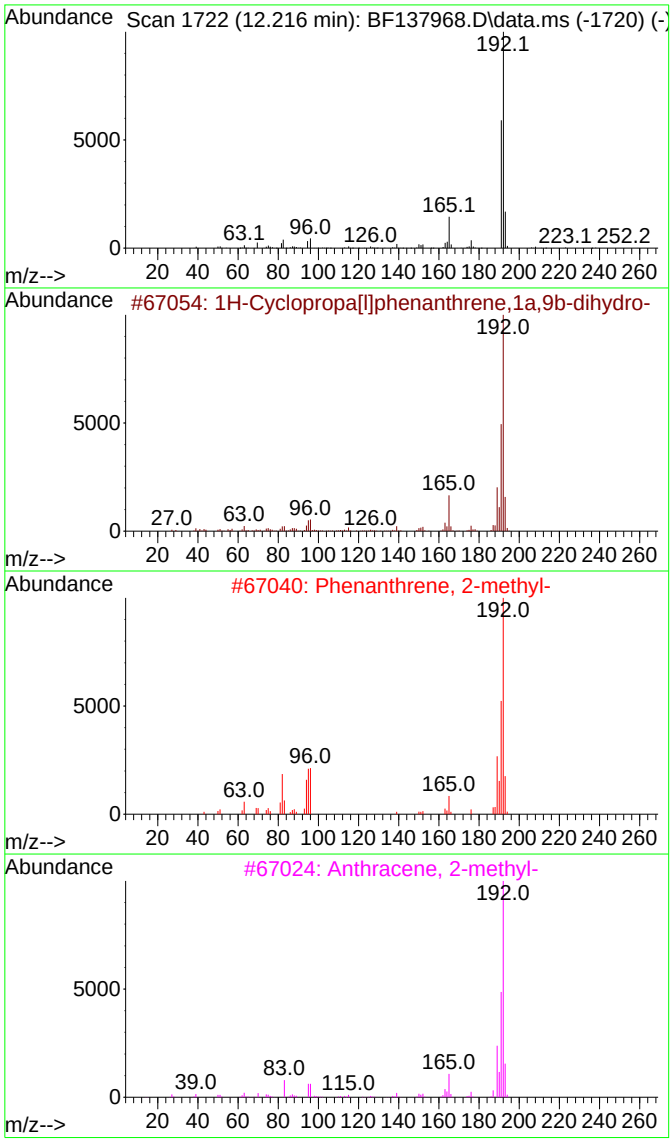
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

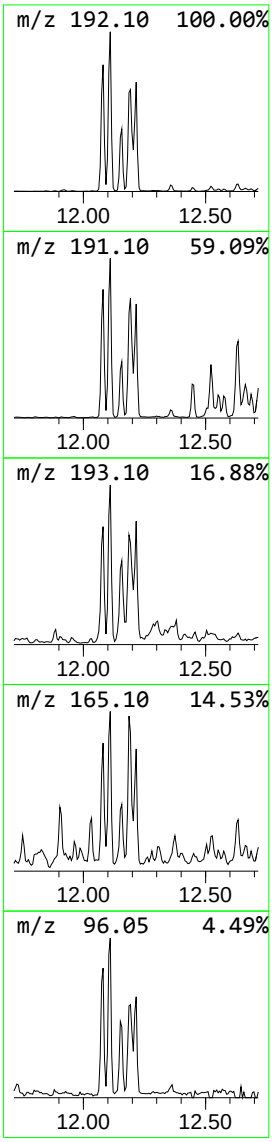
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	11.35 ng	727591	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

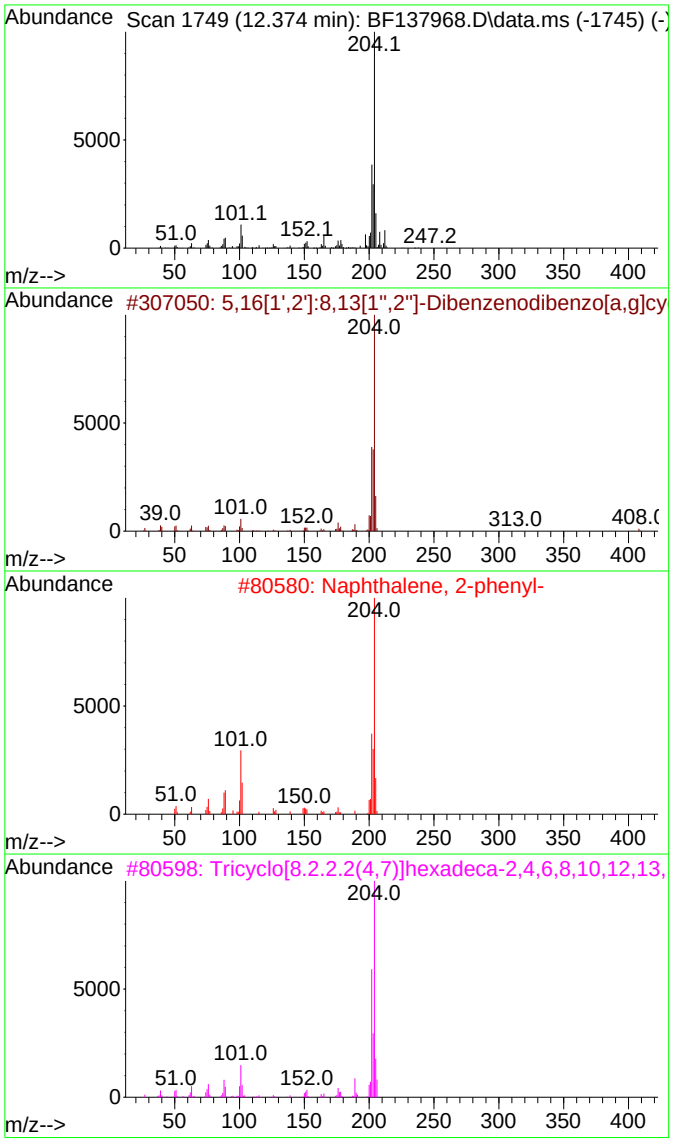
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

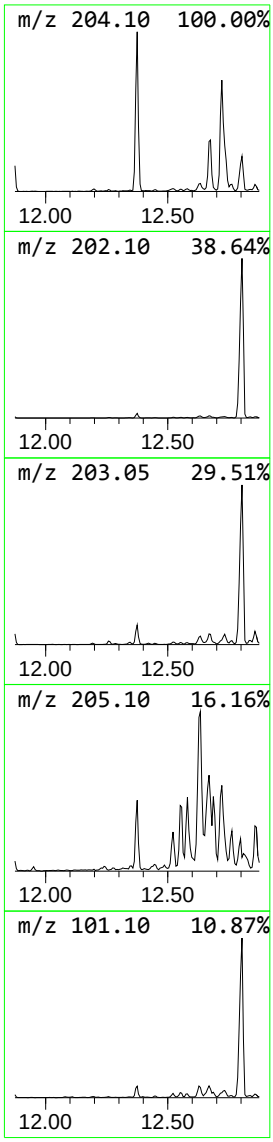
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	8.52 ng	545963	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

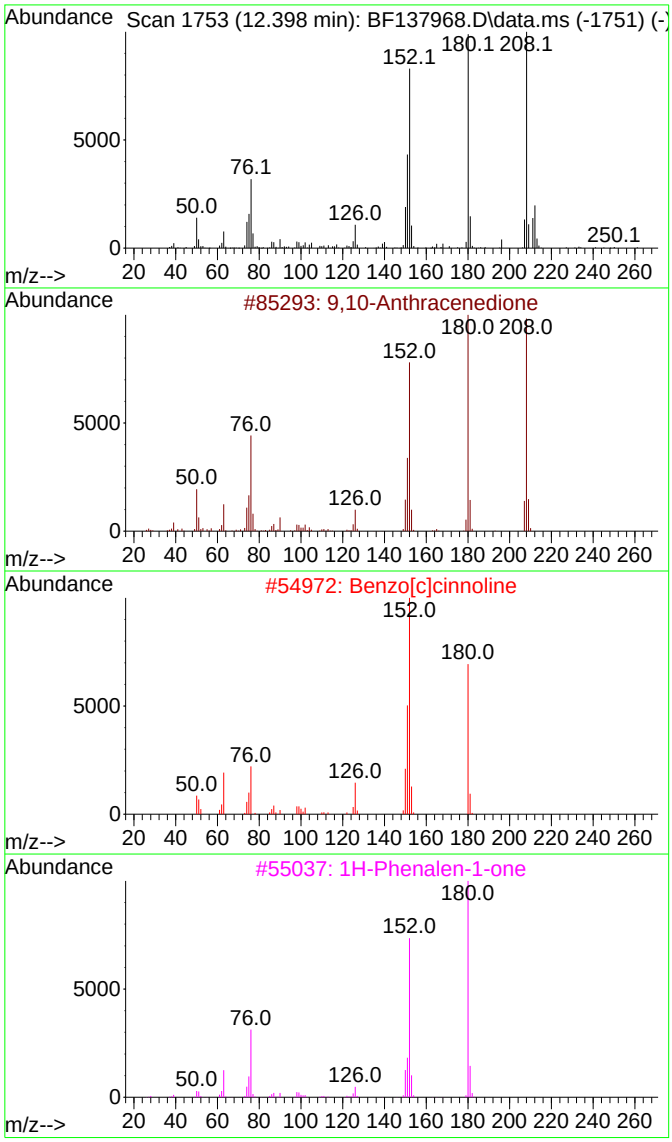
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

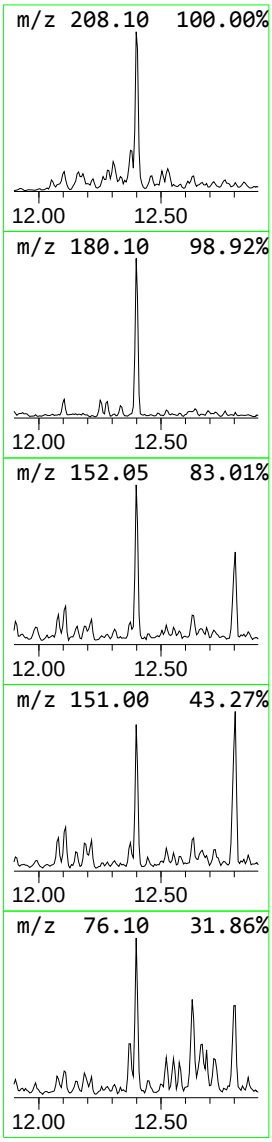
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	6.78 ng	434770	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

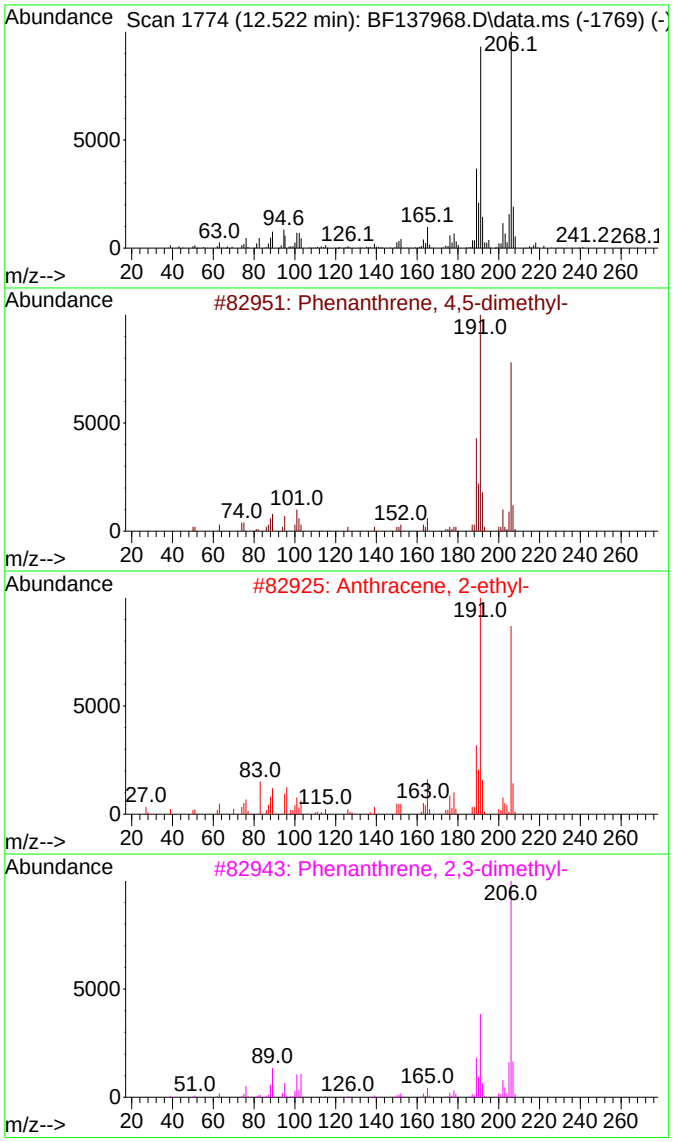
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

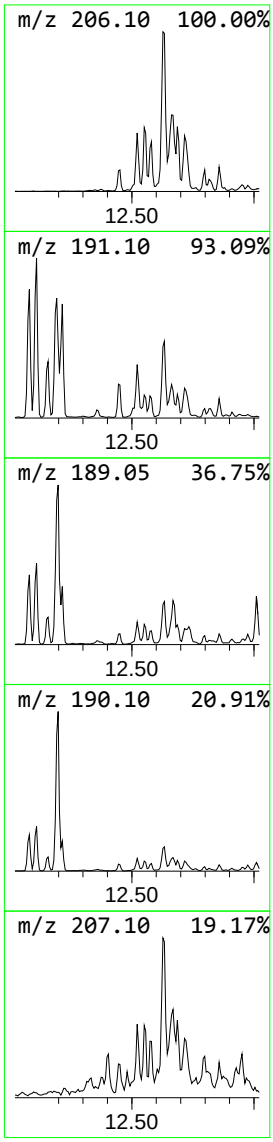
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	8.10 ng	519091	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

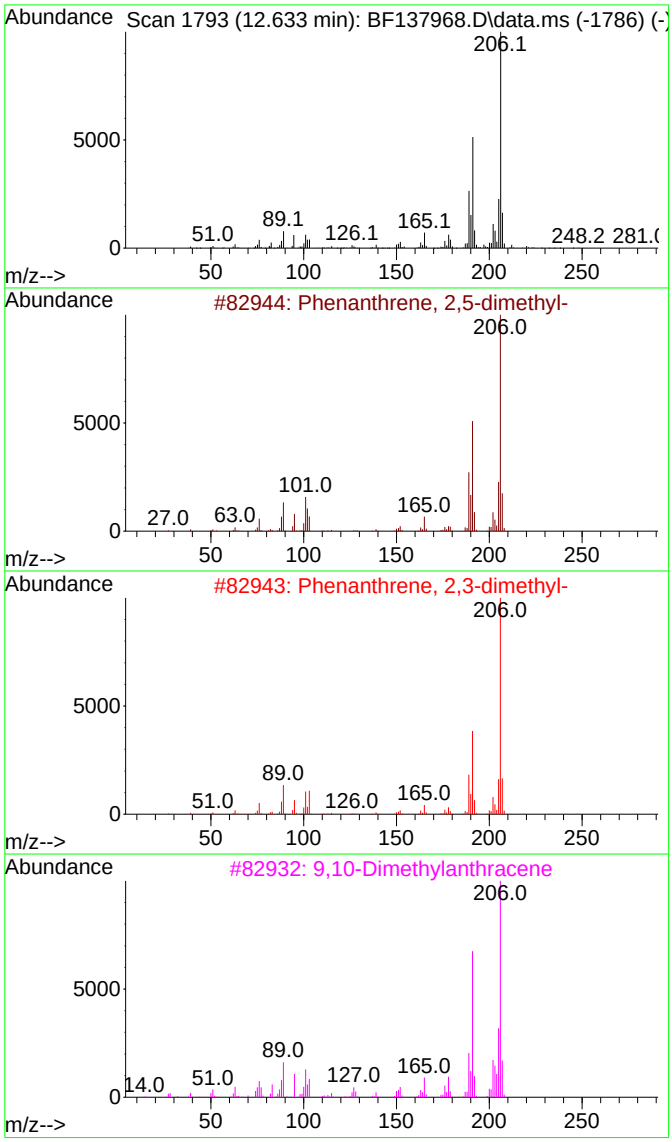
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

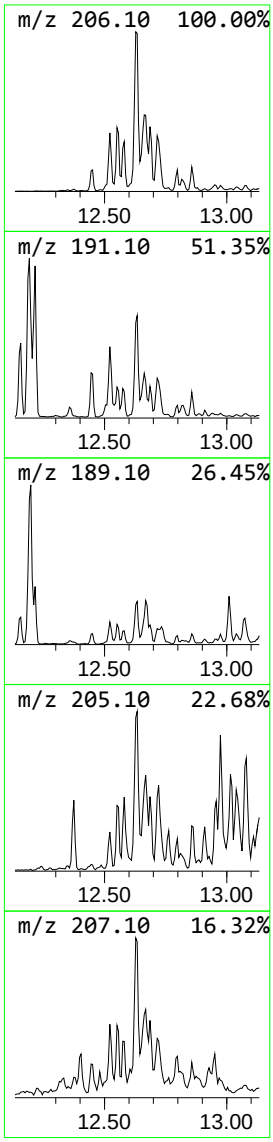
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	17.78 ng	1139310	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

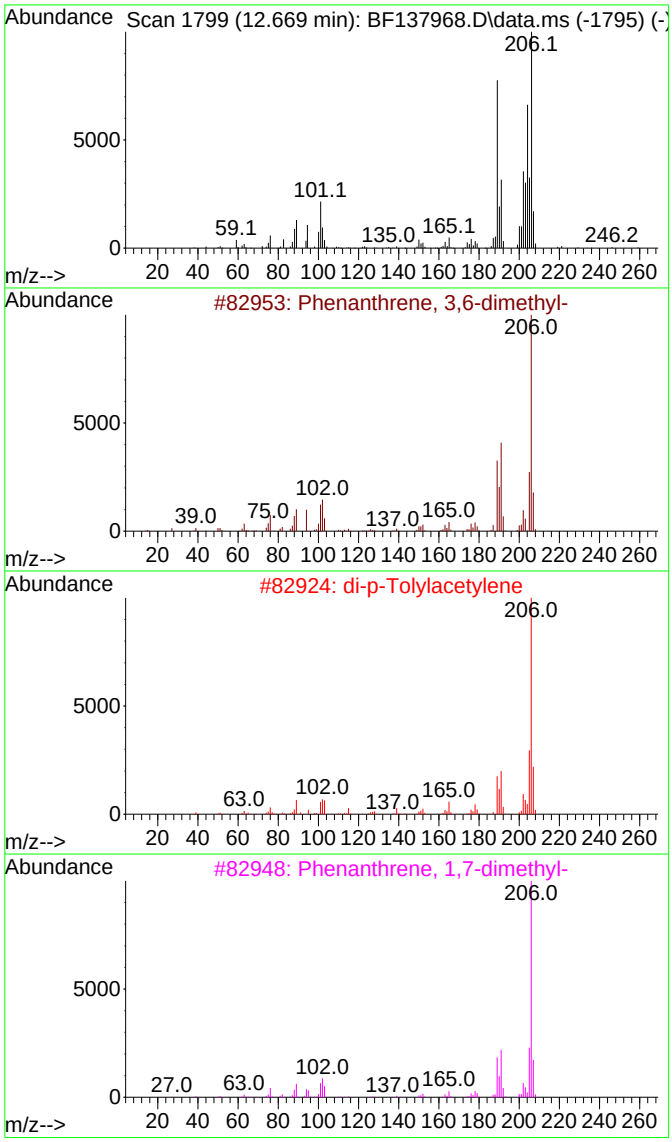
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

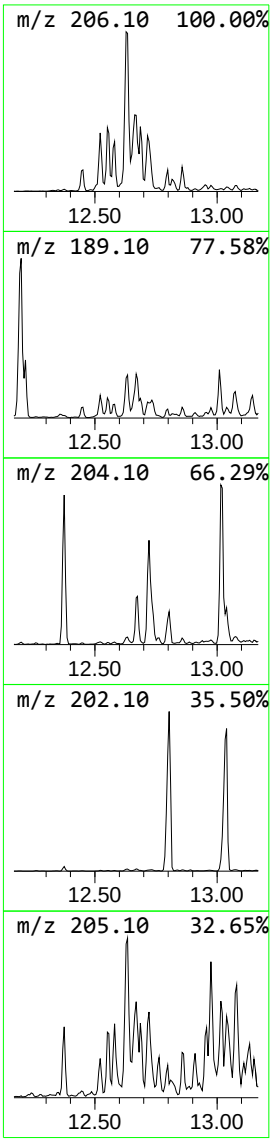
****

Peak Number 13 unknown12.669 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.669	12.74 ng	816270	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	45
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

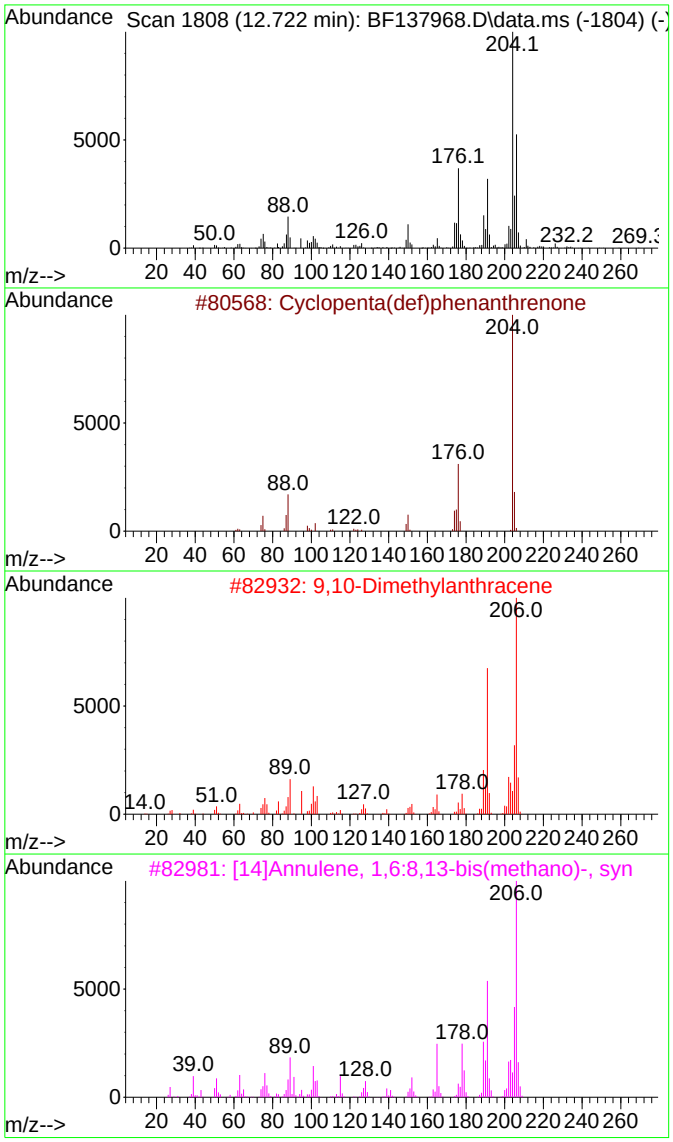
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

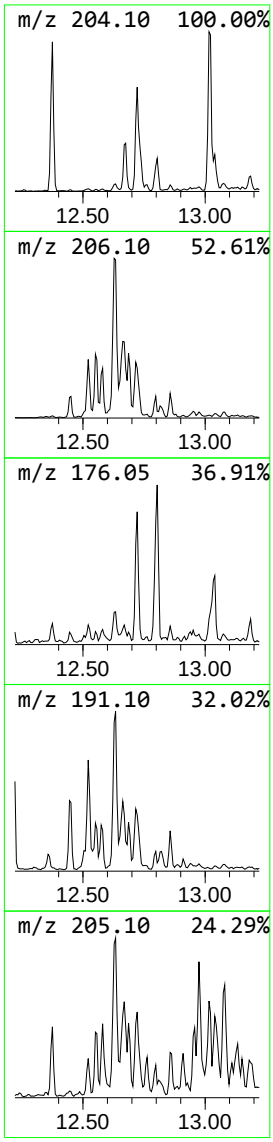
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	12.54 ng	803811	Phenanthrene-d10	11.575

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

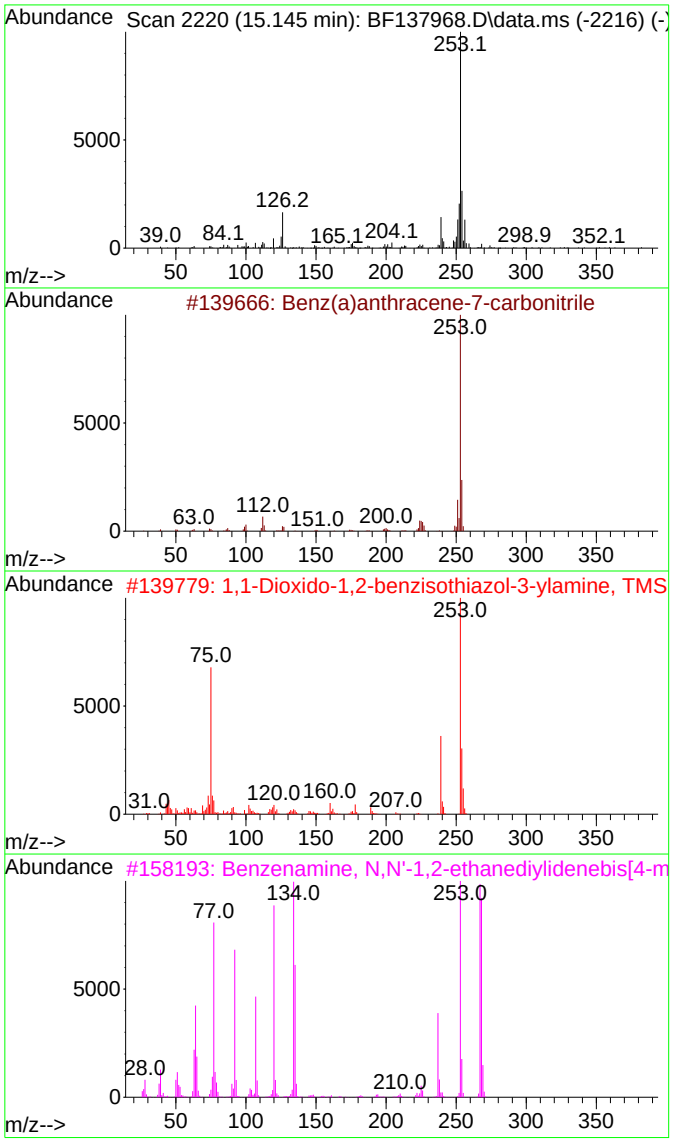
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

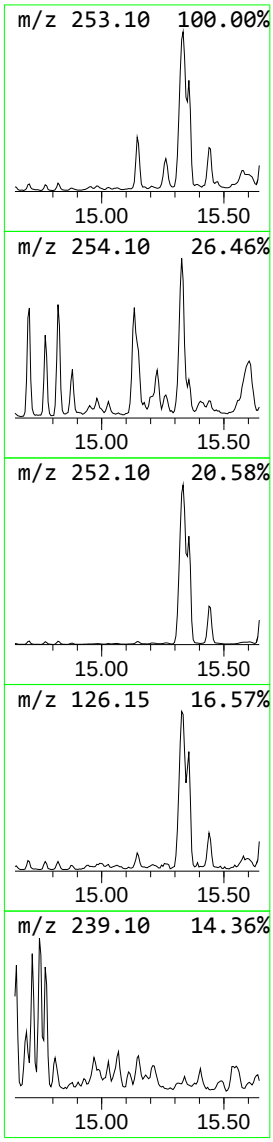
****

Peak Number 15 unknown15.145 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	8.18 ng	432525	Perylene-d12	15.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49
2	1,1-Dioxido-1,2-benzisothiazol-3...	254	C10H14N2O2SSi	1000479-94-7	47
3	Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	47
4	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	45
5	Phenylacetamide, N-ethyl-N-(3-me...	253	C17H19NO	1000308-40-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

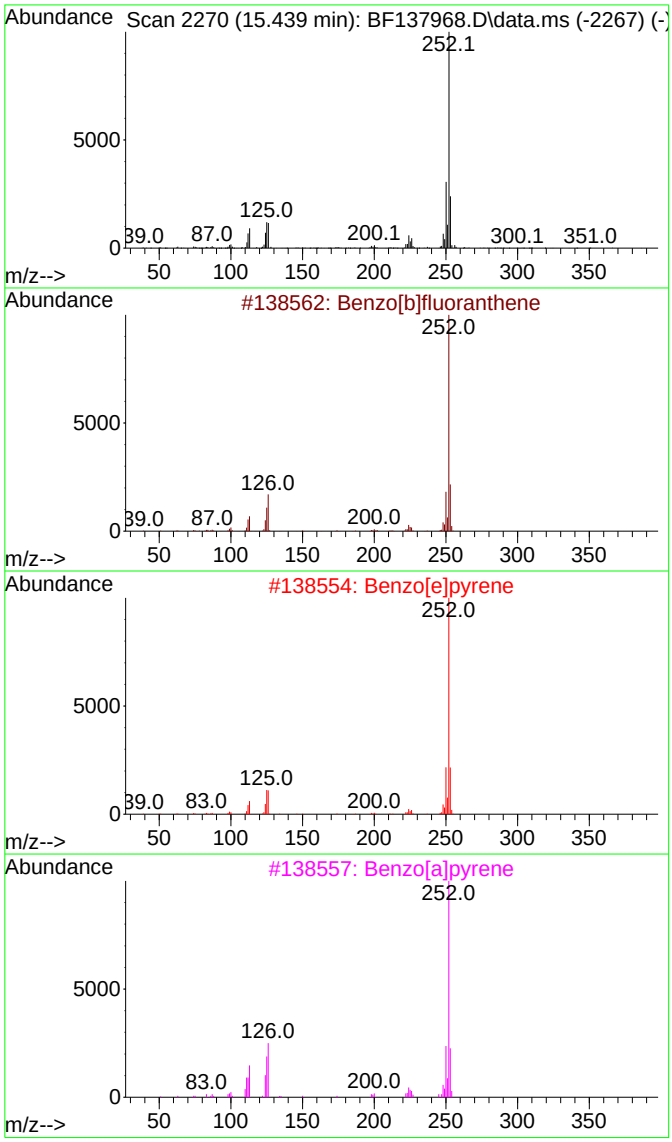
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

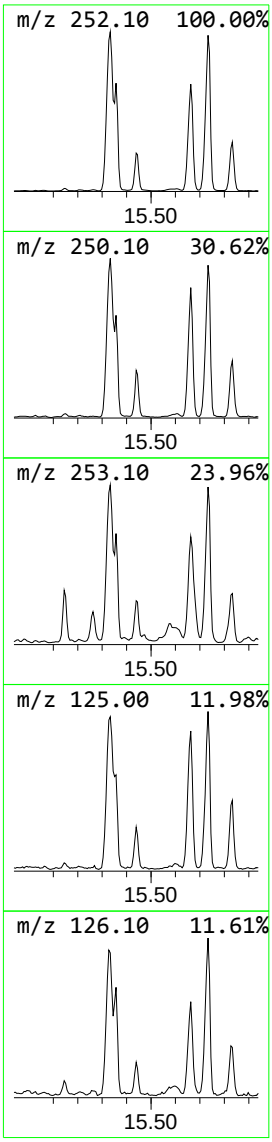
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.439	9.70 ng	512821	Perylene-d12	15.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

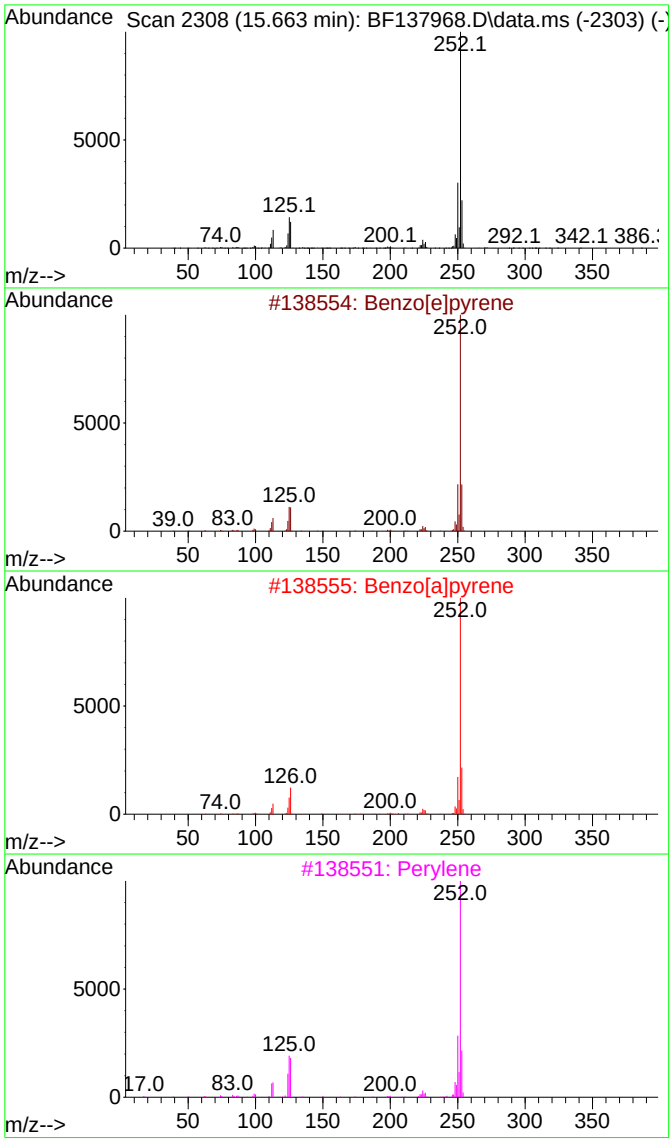
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

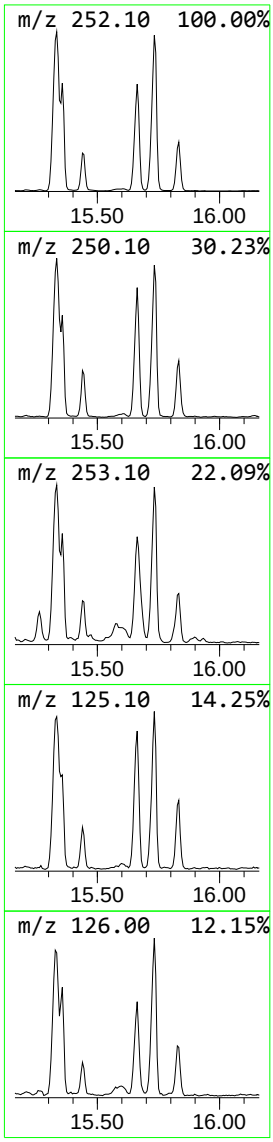
****

Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.663	37.10 ng	1961160	Perylene-d12	15.798

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	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

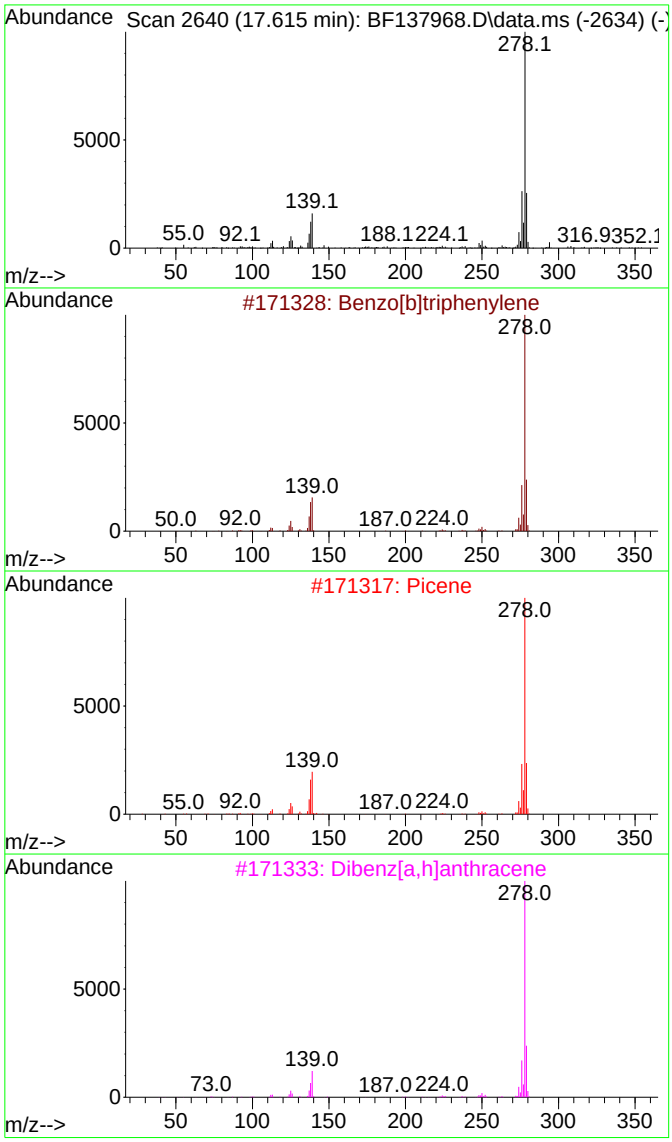
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

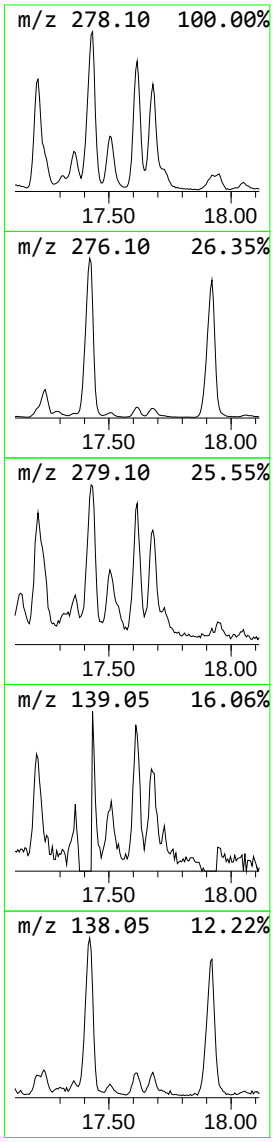
****

Peak Number 18 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.615	5.77 ng	305059	Perylene-d12	15.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Silane, methylvinyl(2-methylphen...	278	C16H26O2Si	1000416-99-3	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

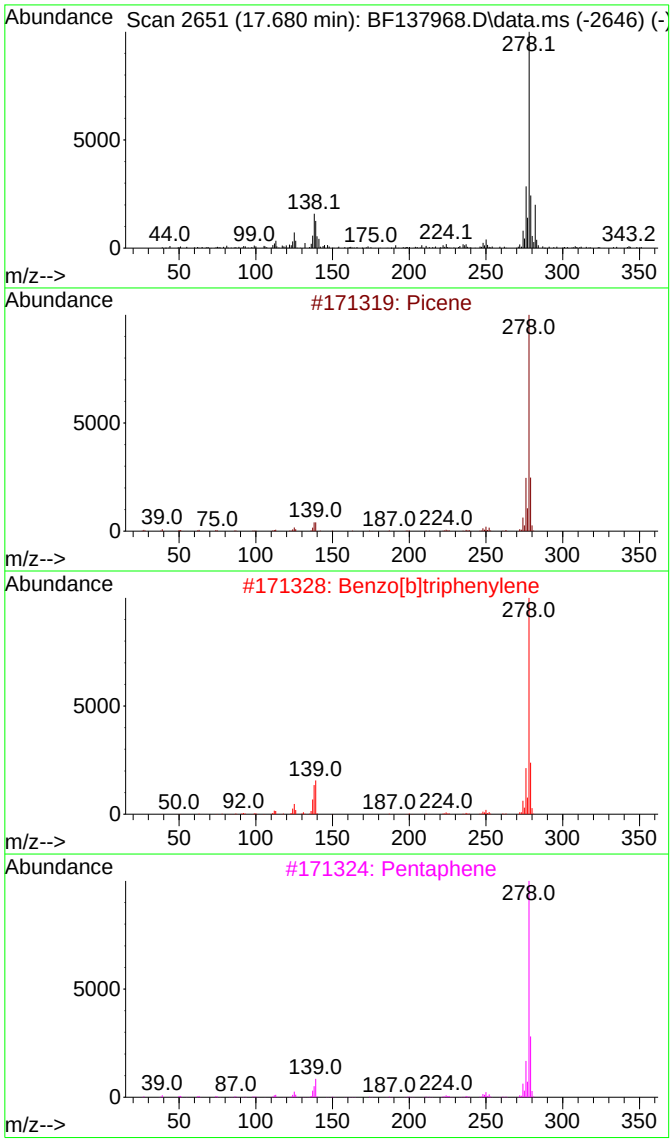
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

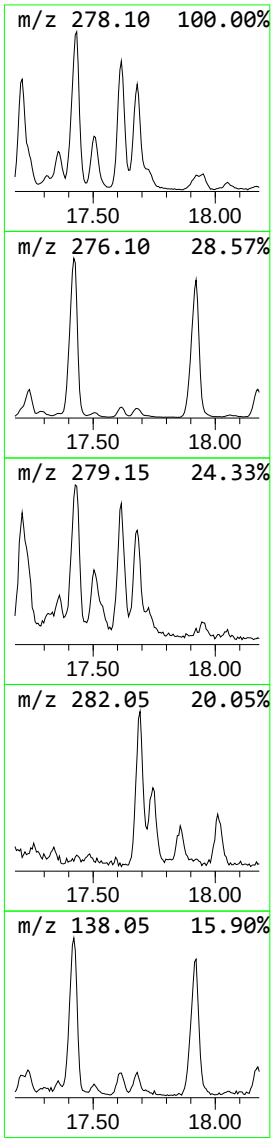
****

Peak Number 19 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.680	4.91 ng	259740	Perylene-d12	15.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
3	Pentaphene	278	C22H14	000222-93-5	86
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

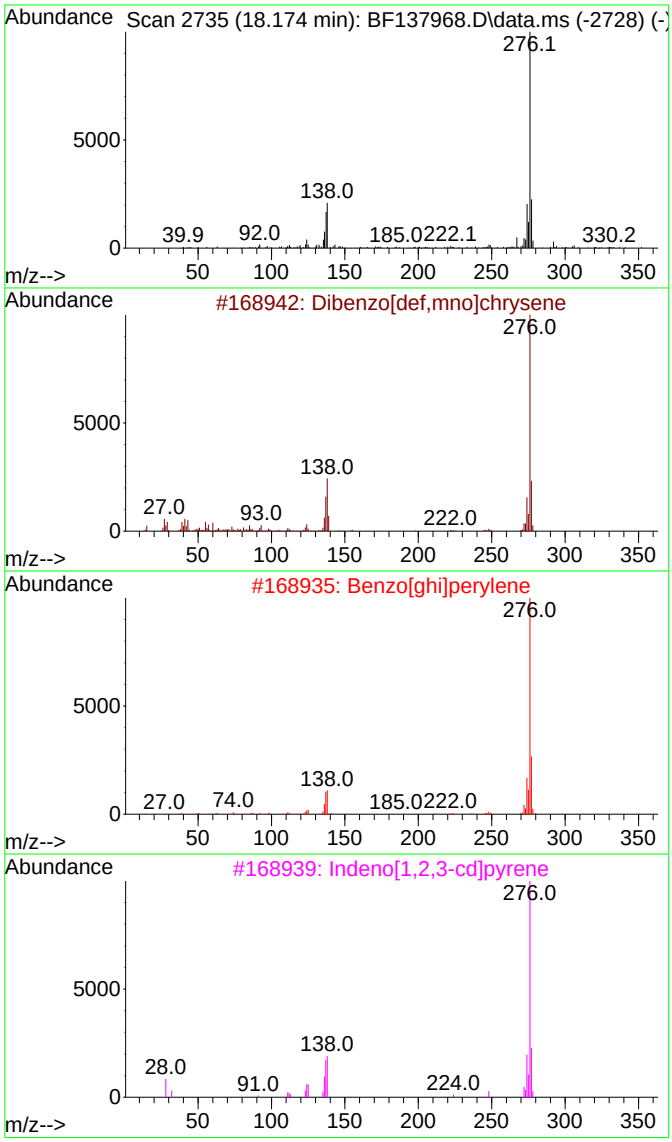
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

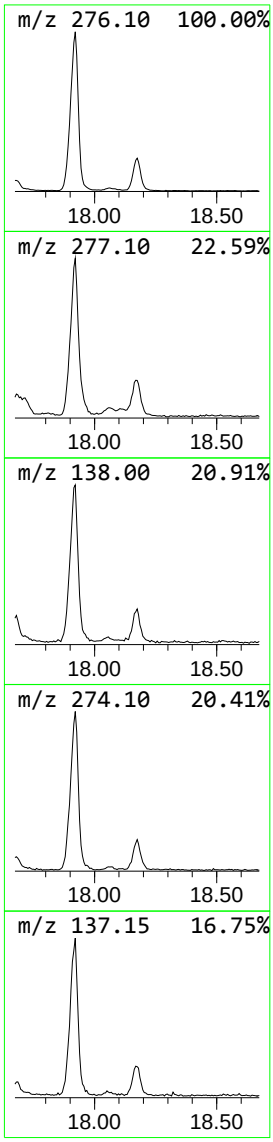
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.174	6.53 ng	345182	Perylene-d12	15.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137968.D
Acq On : 20 May 2024 19:36
Operator : CG\JU
Sample : P2512-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.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...	2.381	43.0	ng	1773380	1	7.040	825327	20.0
Dibenz[c,e]oxep...	11.422	5.0	ng	317364	4	11.575	1281820	20.0
Naphtho[2,1-b]t...	11.475	5.2	ng	332772	4	11.575	1281820	20.0
Phenanthrene, 2...	12.080	17.2	ng	1104400	4	11.575	1281820	20.0
Phenanthrene, 1...	12.110	19.4	ng	1241190	4	11.575	1281820	20.0
1H-Cyclopropa[l...	12.157	9.6	ng	612571	4	11.575	1281820	20.0
4H-Cyclopenta[d...	12.192	26.4	ng	1690170	4	11.575	1281820	20.0
Anthracene, 2-m...	12.216	11.4	ng	727591	4	11.575	1281820	20.0
5,16[1',2']:8,1...	12.374	8.5	ng	545963	4	11.575	1281820	20.0
9,10-Anthracene...	12.398	6.8	ng	434770	4	11.575	1281820	20.0
Phenanthrene, 4...	12.522	8.1	ng	519091	4	11.575	1281820	20.0
Phenanthrene, 2...	12.633	17.8	ng	1139310	4	11.575	1281820	20.0
unknown12.669	12.669	12.7	ng	816270	4	11.575	1281820	20.0
Cyclopenta(def)...	12.722	12.5	ng	803811	4	11.575	1281820	20.0
unknown15.145	15.145	8.2	ng	432525	6	15.798	1057110	20.0
Benzo[e]pyrene	15.439	9.7	ng	512821	6	15.798	1057110	20.0
Perylene	15.663	37.1	ng	1961160	6	15.798	1057110	20.0
Benzo[b]triphen...	17.615	5.8	ng	305059	6	15.798	1057110	20.0
Picene	17.680	4.9	ng	259740	6	15.798	1057110	20.0
Dibenzo[def,mno...	18.174	6.5	ng	345182	6	15.798	1057110	20.0