LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134633.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.422	563	567	570	rBV	2545710	2353256	74.41%	5.451%
2	6.428	733	738	741	rBV	2578201	2322670	73.44%	5.380%
3	6.628	769	772	777	rBV	86187	83769	2.65%	0.194%
4	6.798	797	801	804	rBV	1432407	1062156	33.58%	2.460%
5	7.357	891	896	899	rBV	1739790	1408529	44.53%	3.263%
6	8.075	1014	1018	1021	rBV	1662982	1361026	43.03%	3.153%
7	8.098	1021	1022	1025	rVB	103188	48678	1.54%	0.113%
8	9.151	1197	1201	1204	rBV	2620620	2074210	65.58%	4.804%
9	9.275	1218	1222	1226	rVB	207113	195796	6.19%	0.454%
10	9.422	1242	1247	1250	rBV3	36852	40046	1.27%	0.093%
11	9.692	1289	1293	1297	rBV	120693	99793	3.16%	0.231%
12	9.834	1313	1317	1320	rVV	1292697	1154372	36.50%	2.674%
13	9.863	1320	1322	1326	rVB	50736	41271	1.30%	0.096%
14	10.033	1348	1351	1355	rBV	43083	35360	1.12%	0.082%
15	10.375	1407	1409	1415	rBV	55531	57901	1.83%	0.134%
16	10.539	1434	1437	1446	rVB2	28853	35668	1.13%	0.083%
17	10.616	1446	1450	1454	rBV	1337506	1138451	36.00%	2.637%
18	10.745	1468	1472	1477	rBV5	43308	49135	1.55%	0.114%
19	10.928	1496	1503	1506	rBV4	33963	54287	1.72%	0.126%
20	11.057	1520	1525	1527	rBV3	26460	33412	1.06%	0.077%
21	11.080	1527	1529	1534	rVV	40021	43873	1.39%	0.102%
22	11.169	1541	1544	1547	rVV2	36345	46775	1.48%	0.108%
23	11.216	1550	1552	1557	rVB	61993	59357	1.88%	0.137%
24	11.322	1566	1570	1572	rBV	1131035	1088741	34.42%	2.522%
25	11.345	1572	1574	1577	rVV	905406	713767	22.57%	1.653%
26	11.392	1577	1582	1585	rVV	399492	319650	10.11%	0.740%
27	11.622	1618	1621	1623	rBV2	55308	45719	1.45%	0.106%
28	11.651	1623	1626	1630	rVB2	45555	41977	1.33%	0.097%
29	11.727	1637	1639	1645	rVB2	39489	45214	1.43%	0.105%
30	11.822	1650	1655	1657	rVV	178869	160093	5.06%	0.371%
31	11.851	1657	1660	1665	rVV2	366507	377393	11.93%	0.874%
32	11.898	1665	1668	1670	rVV	136317	125457	3.97%	0.291%
33	11.933	1670	1674	1676	rVV	371021	368576	11.65%	0.854%
34	11.957	1676	1678	1683	rVB	145743	118242	3.74%	0.274%
35	12.122	1700	1706	1708	rBV	188765	178225	5.64%	0.413%
36	12.139	1708	1709	1713	rVB3	60350	50586	1.60%	0.117%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.269	1729	1731	1734	rVB	47100	35281	1.12%	0.082%
38	12.298	1734	1736	1738	rBV	55605	43560	1.38%	0.101%
39	12.322	1738	1740	1743	rVB2	59640	43136	1.36%	0.100%
40	12.375	1745	1749	1752	rBV	159223	167263	5.29%	0.387%
41	12.410	1752	1755	1757	rVV3	85782	106114	3.36%	0.246%
42	12.457	1761	1763	1768	rVB3	130303	131861	4.17%	0.305%
43	12.539	1772	1777	1780	rBV	2974600	2713267	85.79%	6.285%
44	12.586	1780	1785	1790	rBV4	44703	68919	2.18%	0.160%
45	12.627	1790	1792	1797	rVV	104680	117871	3.73%	0.273%
46	12.686	1800	1802	1809	rVB2	118851	140062	4.43%	0.324%
47	12.769	1809	1816	1819	rBV	2850821	3089953	97.70%	7.157%
48	12.816	1822	1824	1829	rVB2	102588	118046	3.73%	0.273%
49	12.886	1832	1836	1837	rBV	165859	148165	4.68%	0.343%
50	12.916	1837	1841	1847	rVB	1978549	1935883	61.21%	4.484%
51	12.986	1847	1853	1856	rBV2	185628	300330	9.50%	0.696%
52	13.039	1860	1862	1864	rBV2	40066	38750	1.23%	0.090%
53	13.069	1864	1867	1869	rBV	145092	168918	5.34%	0.391%
54	13.092	1869	1871	1874	rVB	441923	415359	13.13%	0.962%
55	13.133	1874	1878	1880	rBV3	46772	61611	1.95%	0.143%
56	13.163	1880	1883	1885	rBV2	408660	331320	10.48%	0.767%
57	13.198	1885	1889	1891	rBV2	299114	274819	8.69%	0.637%
58	13.222	1891	1893	1896	rVB	99426	97604	3.09%	0.226%
59	13.257	1896	1899	1902	rBV3	62090	61226	1.94%	0.142%
60	13.292	1902	1905	1907	rVB	151593	134866	4.26%	0.312%
61	13.322	1907	1910	1914	rBV	181215	170994	5.41%	0.396%
62	13.404	1920	1924	1933	rVB4	86576	126469	4.00%	0.293%
63	13.498	1933	1940	1942	rBV4	161473	230871	7.30%	0.535%
64	13.521	1942	1944	1946	rVV2	72742	71860	2.27%	0.166%
65	13.580	1950	1954	1955	rVV3	65369	77814	2.46%	0.180%
66	13.598	1955	1957	1962	rVB	135990	176624	5.58%	0.409%
67	13.716	1972	1977	1980	rBV2	290243	332014	10.50%	0.769%
68	13.745	1980	1982	1984	rVV	290423	246979	7.81%	0.572%
69	13.763	1984	1985	1990	rVV2	235202	318803	10.08%	0.738%
70	13.816	1991	1994	2000	rVV2	267426	376984	11.92%	0.873%
71	13.886	2003	2006	2009	rVV	77015	82006	2.59%	0.190%
72	13.963	2012	2019	2022	rBV2	2140192	3162748	100.00%	7.326%
73	13.992	2022	2024	2030	rVB	1408276	1468759	46.44%	3.402%
74	14.074	2032	2038	2041	rVV	383242	403488	12.76%	0.935%
75	14.110	2041	2044	2046	rVV	111793	136403	4.31%	0.316%
76	14.151	2048	2051	2054	rVV2	185660	222271	7.03%	0.515%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.180	2054	2056	2061	rVV2	102626	177017	5.60%	0.410%
78	14.221	2061	2063	2066	rVB	67519	65335	2.07%	0.151%
79	14.286	2072	2074	2077	rVB4	47558	46381	1.47%	0.107%
80	14.321	2077	2080	2082	rBV	91745	95086	3.01%	0.220%
81	14.357	2082	2086	2089	rVV	269005	301998	9.55%	0.700%
82	14.386	2089	2091	2095	rVB	152620	141743	4.48%	0.328%
83	14.427	2095	2098	2099	rBV3	49143	52102	1.65%	0.121%
84	14.451	2099	2102	2104	rVV3	164711	169729	5.37%	0.393%
85	14.480	2104	2107	2108	rVV	127841	115450	3.65%	0.267%
86	14.498	2108	2110	2114	rVB2	183144	182277	5.76%	0.422%
87	14.533	2114	2116	2117	rBV	44898	35400	1.12%	0.082%
88	14.610	2126	2129	2134	rVB4	45545	59292	1.87%	0.137%
89	14.663	2135	2138	2139	rBV2	49118	48290	1.53%	0.112%
90	14.768	2153	2156	2163	rVB3	121284	160398	5.07%	0.372%
91	15.010	2192	2197	2200	rBV	1021254	1540304	48.70%	3.568%
92	15.116	2211	2215	2219	rVB	244262	263322	8.33%	0.610%
93	15.310	2244	2248	2254	rVB	553229	690694	21.84%	1.600%
94	15.374	2254	2259	2265	rBV	843614	1028176	32.51%	2.382%
95	15.439	2265	2270	2273	rBV	666991	849269	26.85%	1.967%
96	15.468	2273	2275	2278	rVB	165306	148782	4.70%	0.345%
97	15.998	2362	2365	2370	rVB2	59119	81334	2.57%	0.188%
98	16.474	2443	2446	2452	rVB3	68344	101852	3.22%	0.236%
99	16.915	2515	2521	2530	rVB2	278203	585668	18.52%	1.357%
100	17.362	2591	2597	2608	rVB	213525	449701	14.22%	1.042%

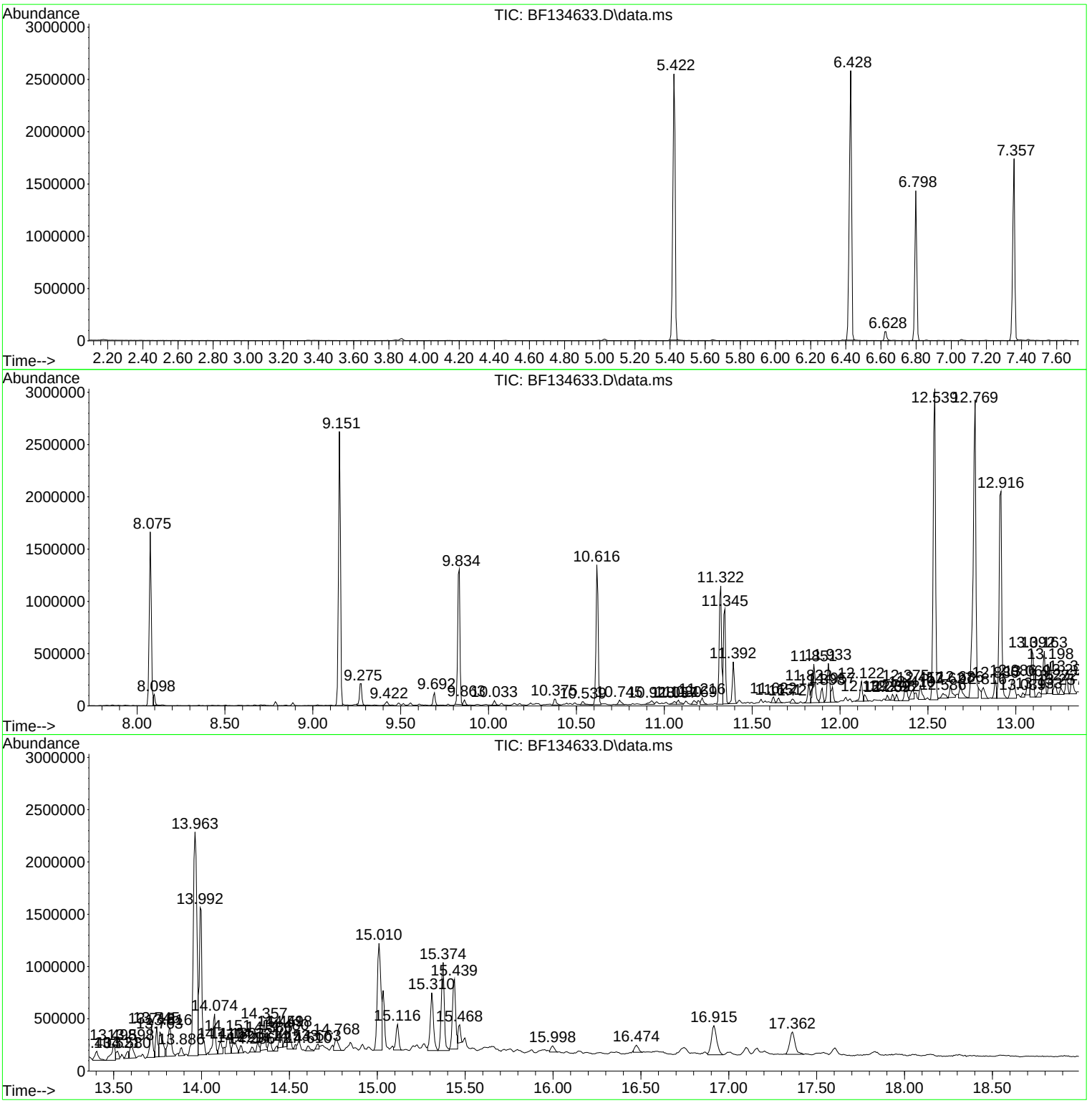
Sum of corrected areas: 43172302

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

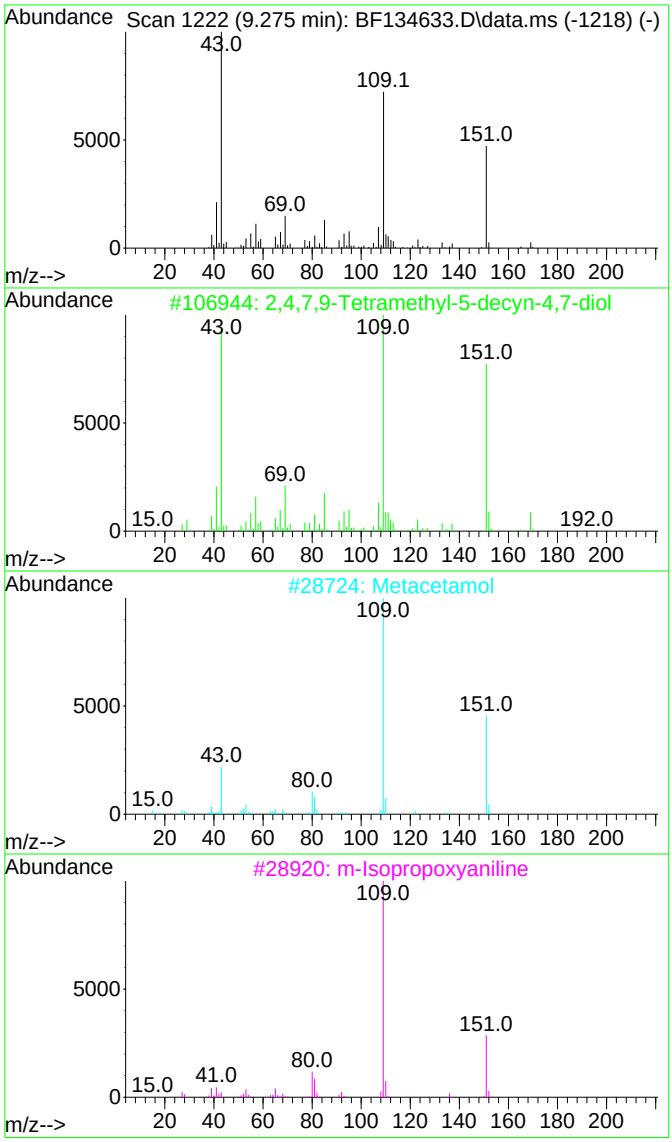
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

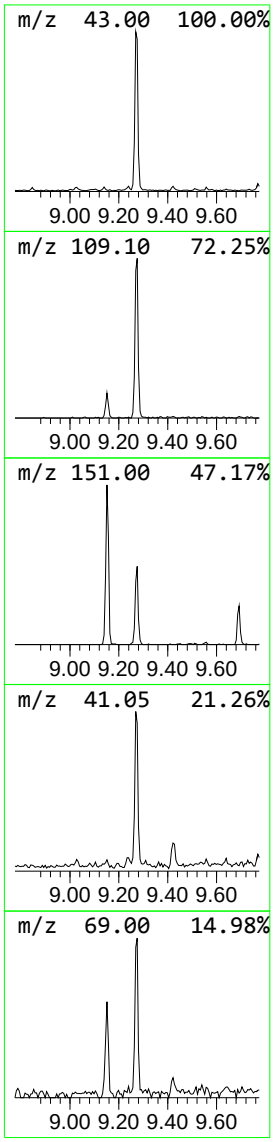
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.275	3.39 ng	195796	Acenaphthene-d10	9.834

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	47
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	38
4	N-Cyclopropyl-p-fluorobenzylamine	165	C10H12FN	1000250-88-9	35
5	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

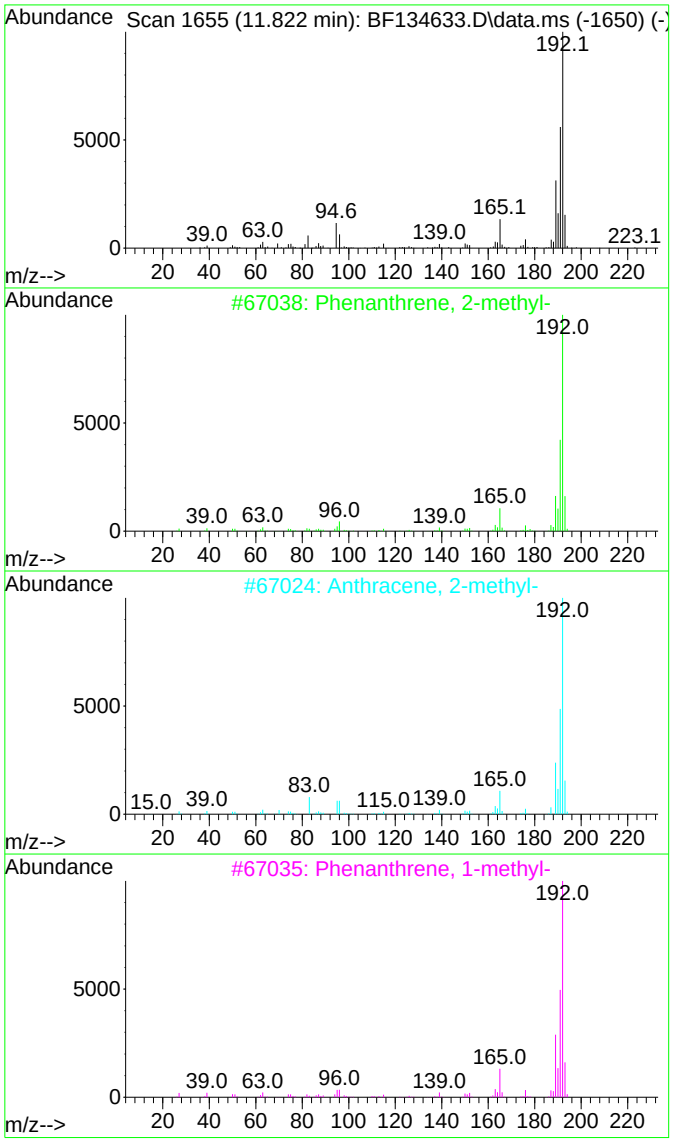
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

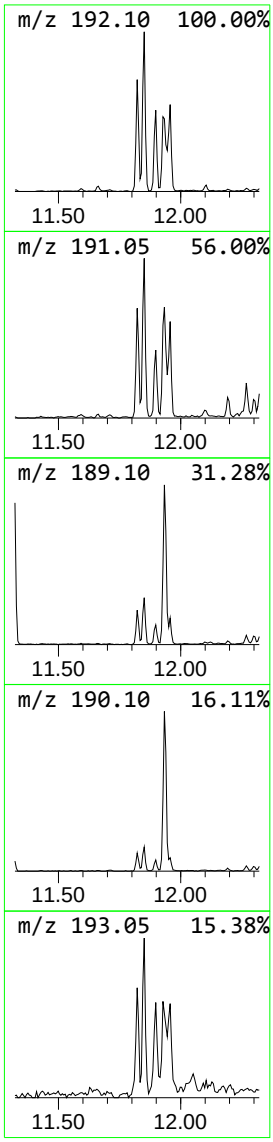
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	2.94 ng	160093	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

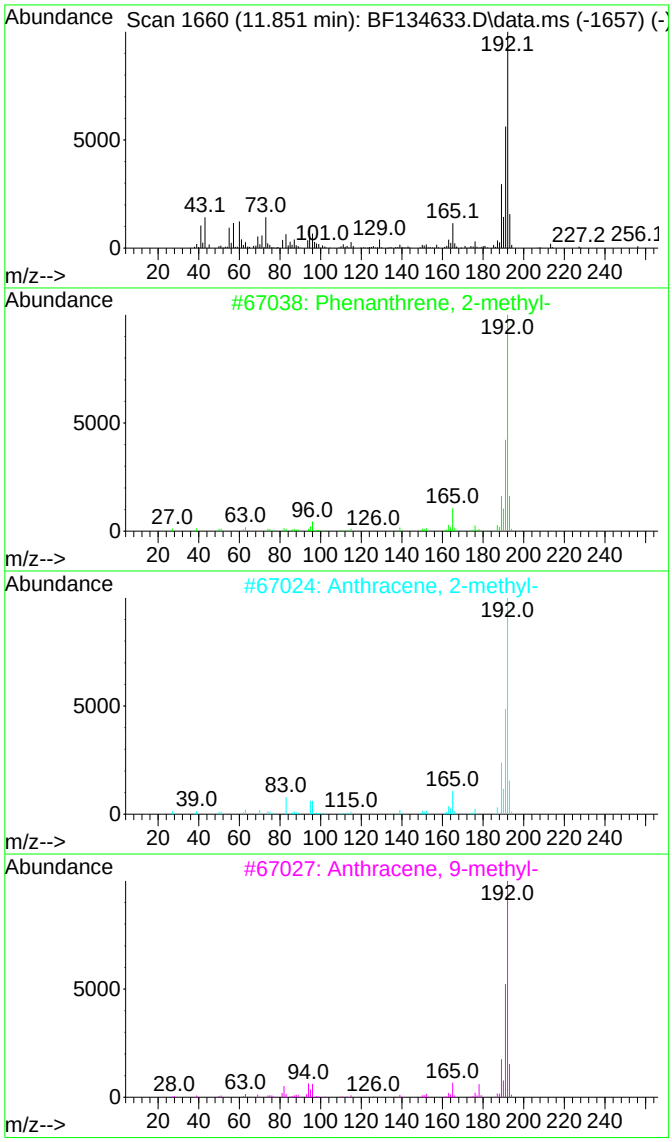
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

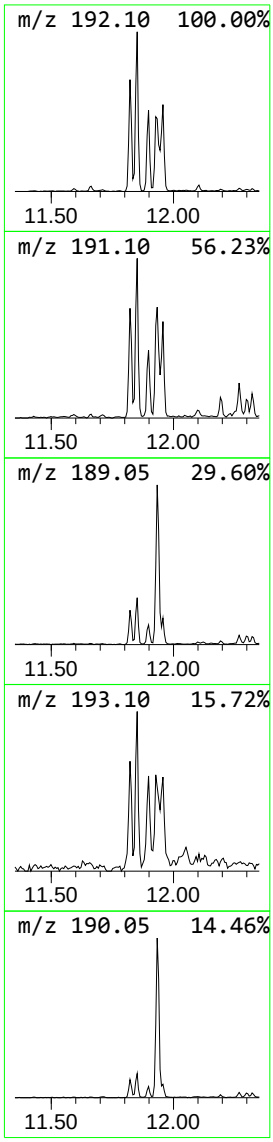
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	6.93 ng	377393	Phenanthrene-d10	11.322

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

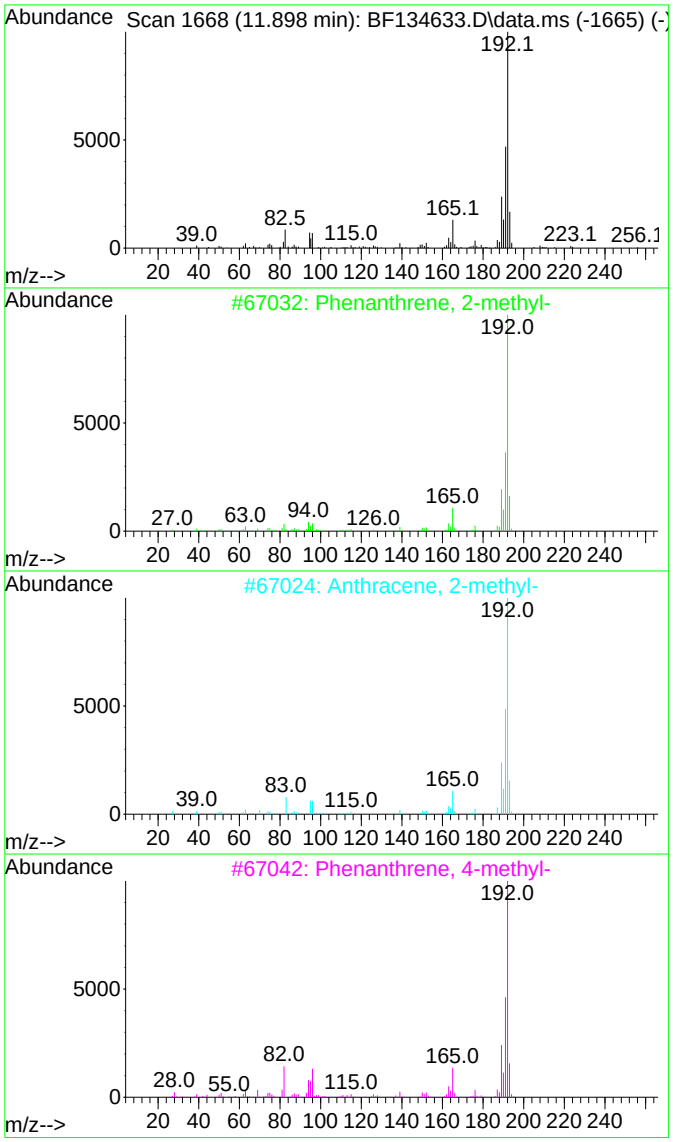
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

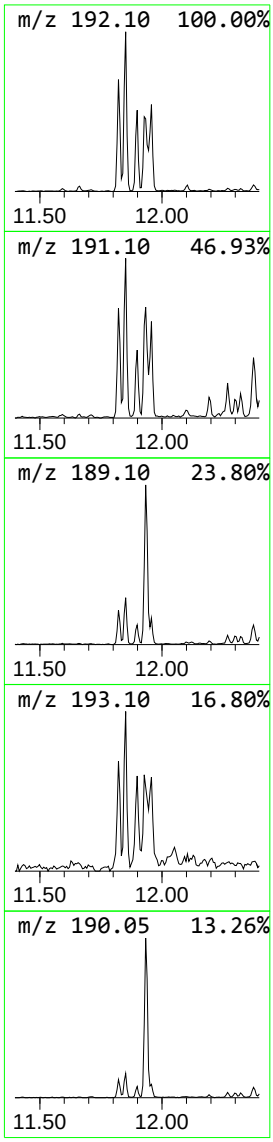
****

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	2.30 ng	125457	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

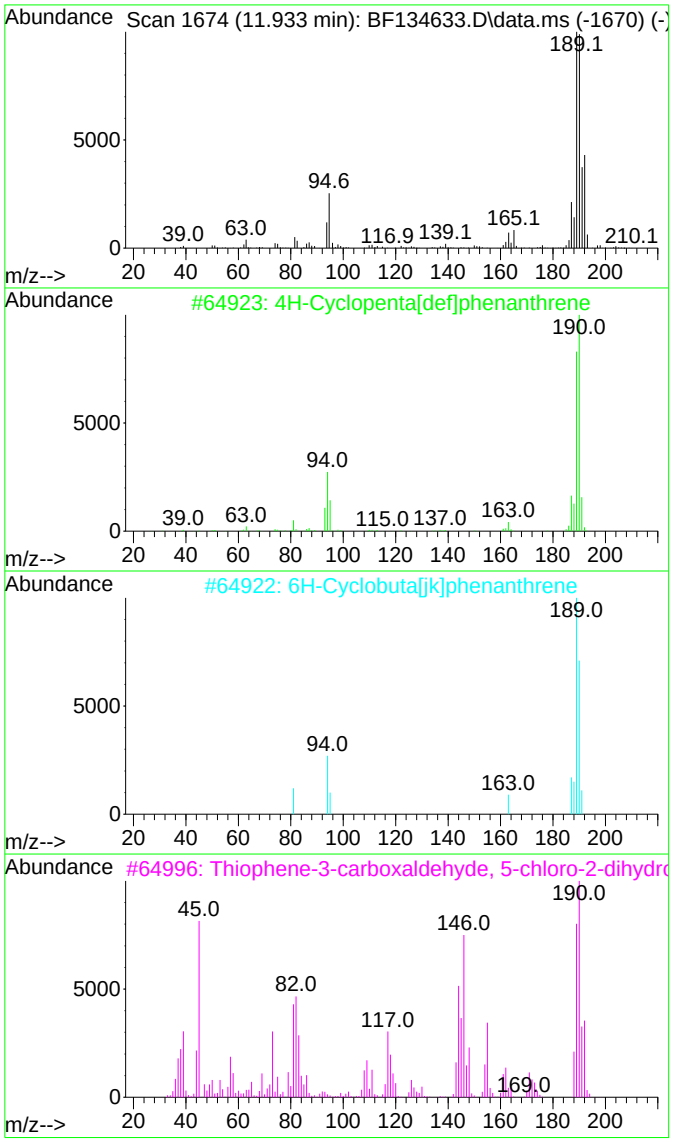
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

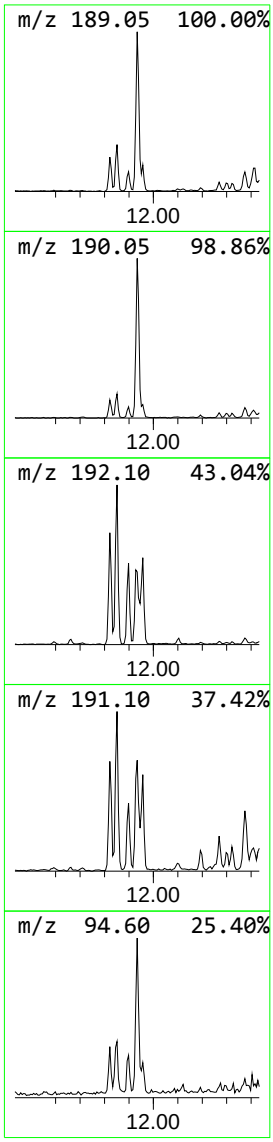
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.77 ng	368576	Phenanthrene-d10	11.322

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	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

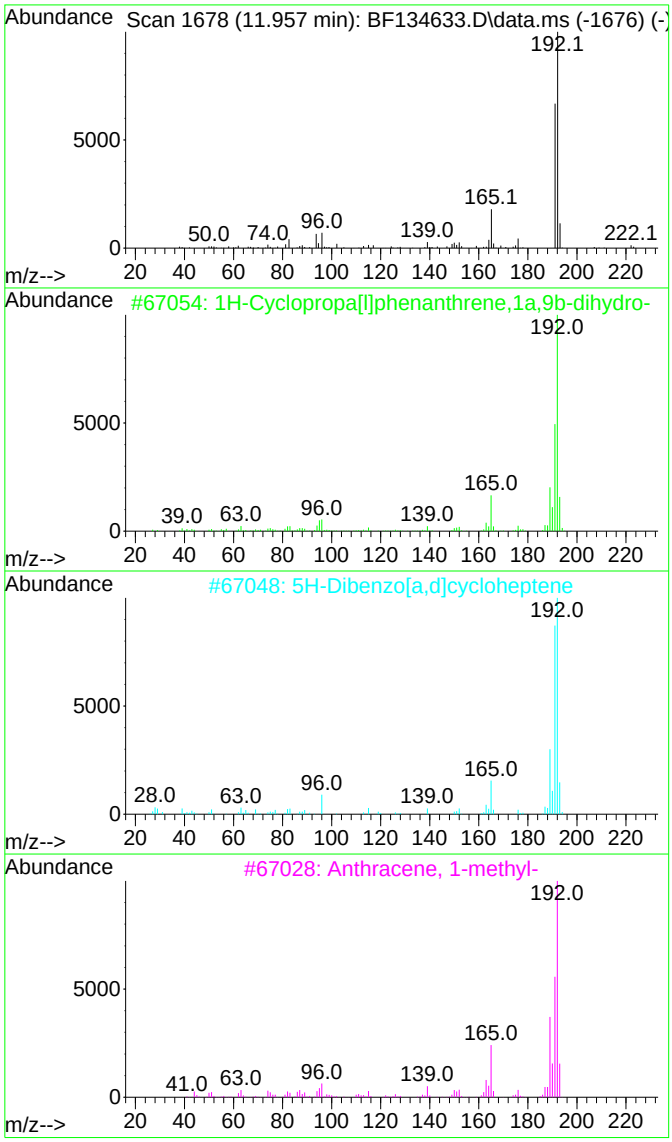
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

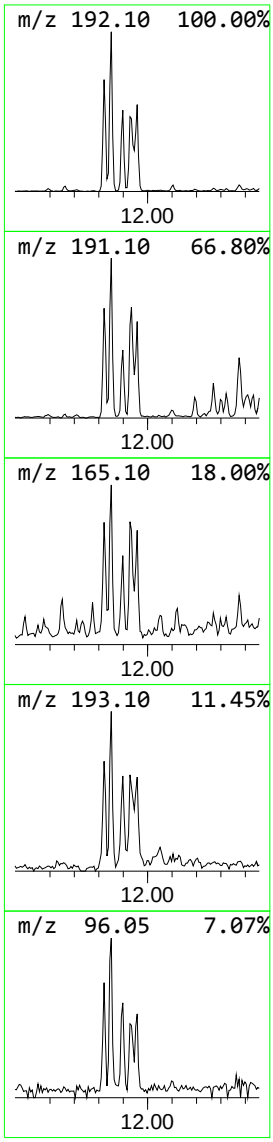
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	2.17 ng	118242	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

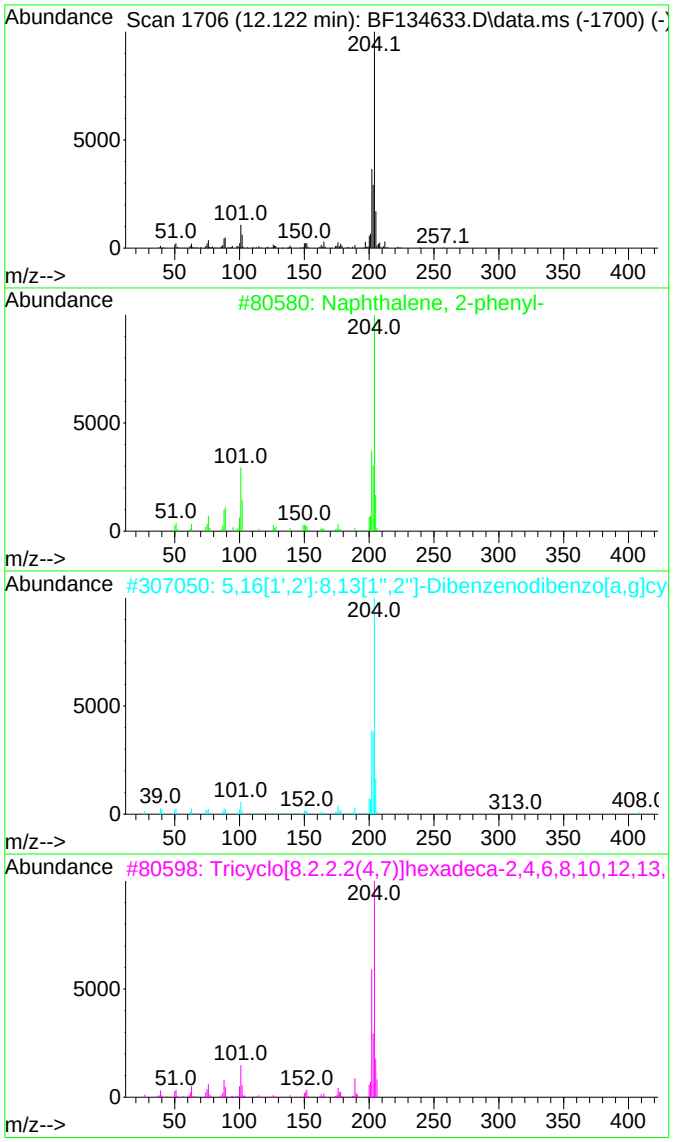
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

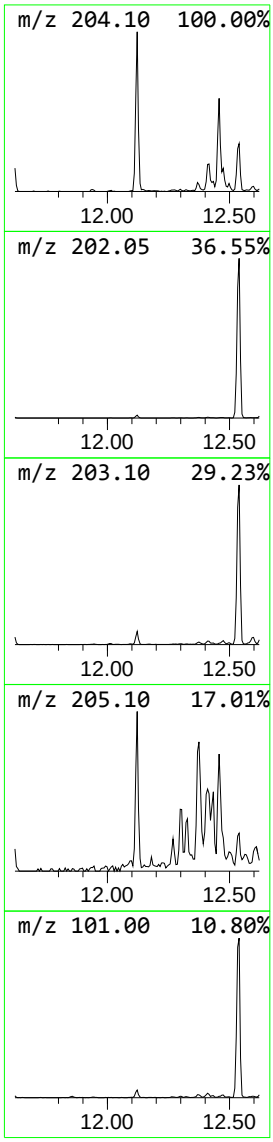
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.122	3.27 ng	178225	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

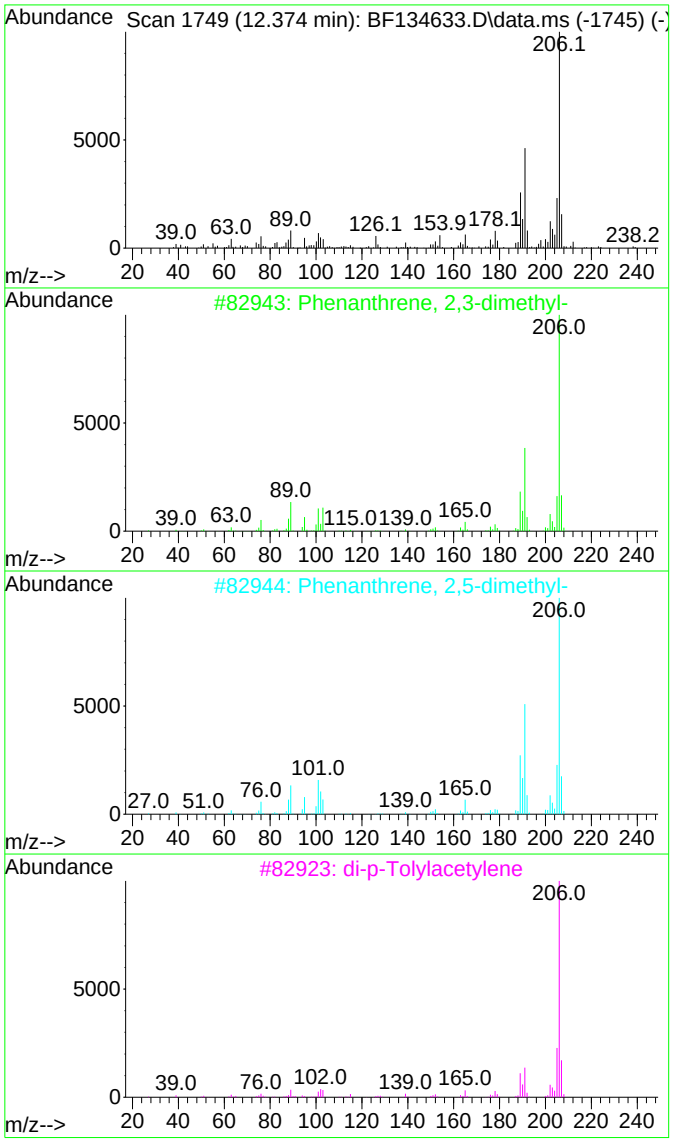
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

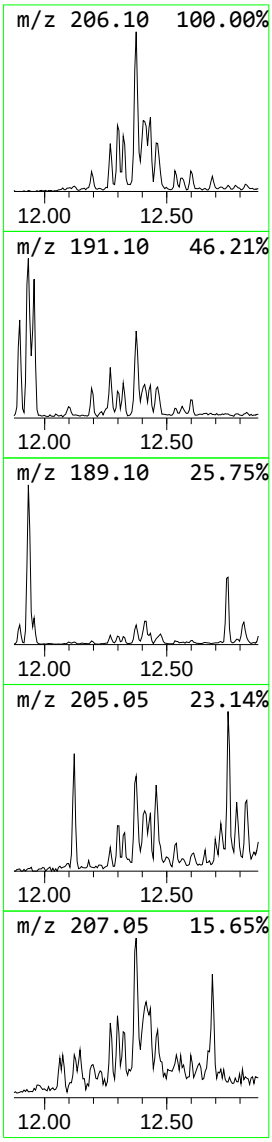
****

Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	3.07 ng	167263	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

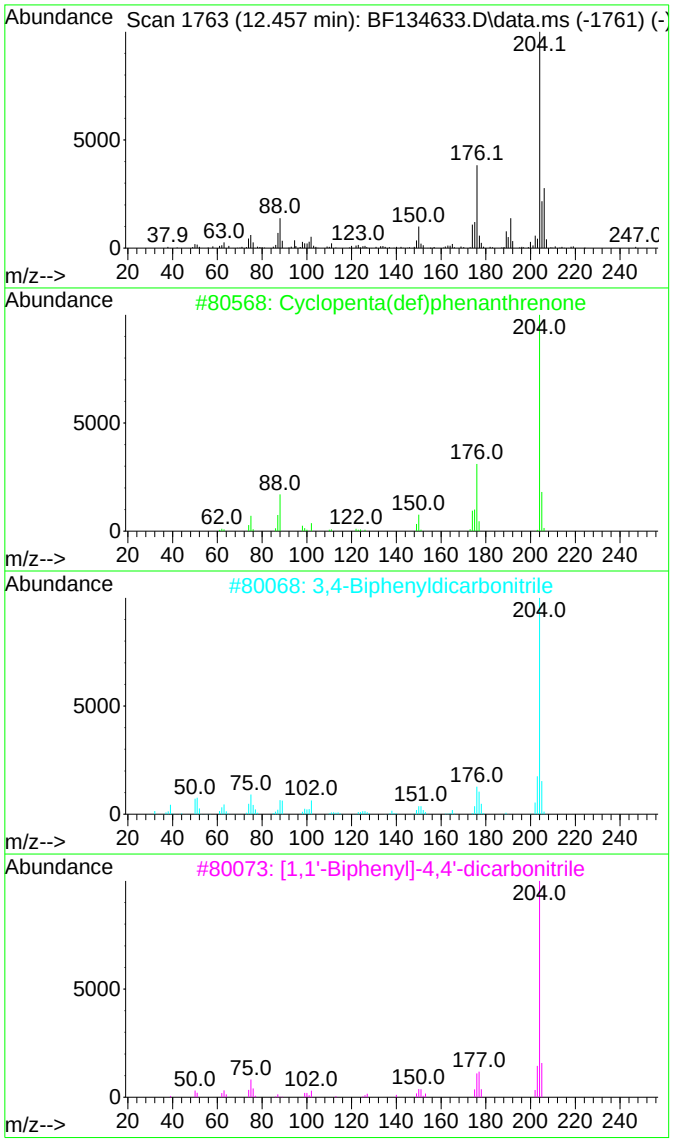
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

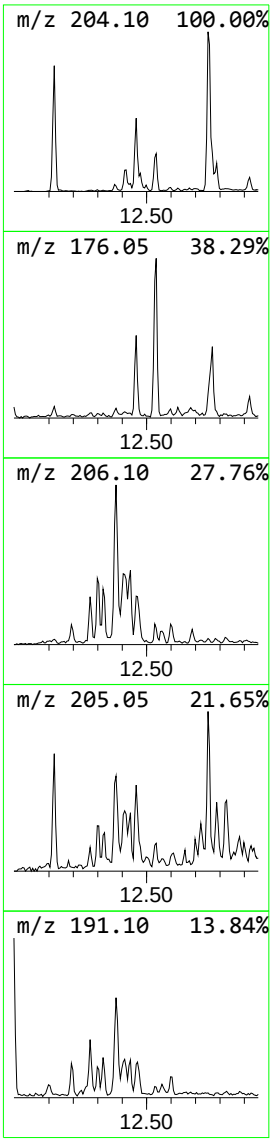
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	2.42 ng	131861	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

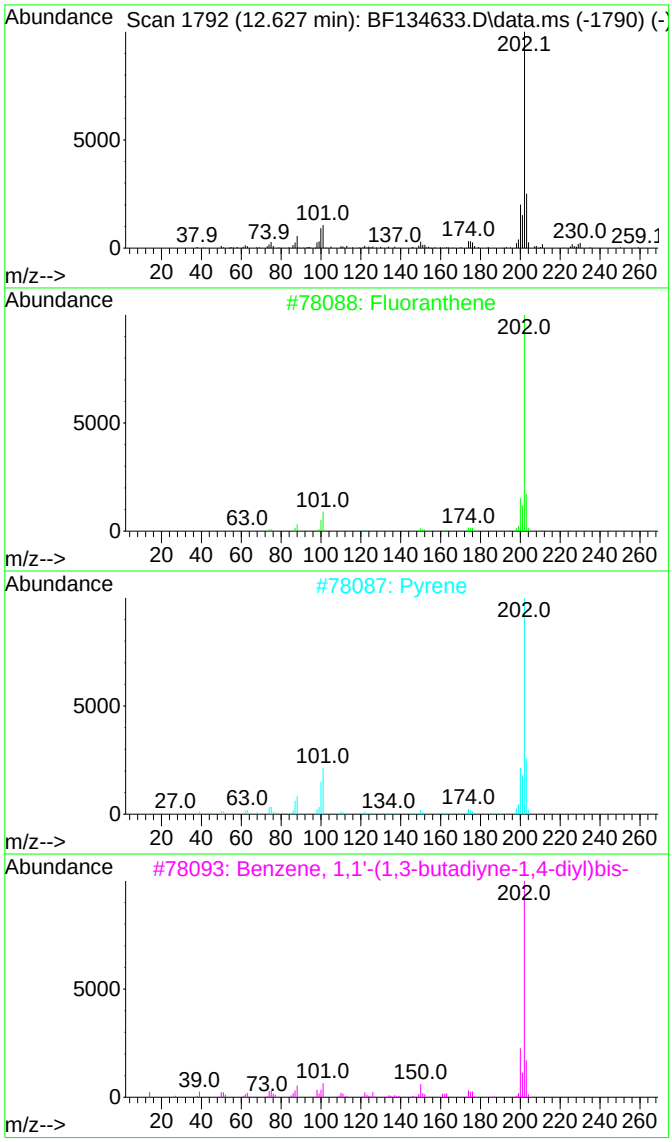
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

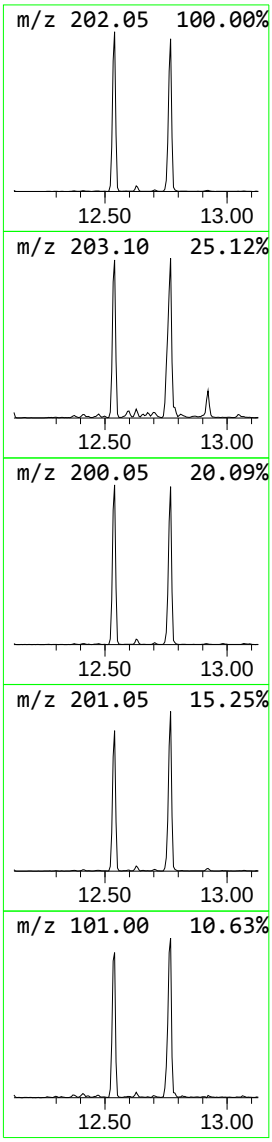
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.627	2.17 ng	117871	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	87
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	70
4	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	45
5	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

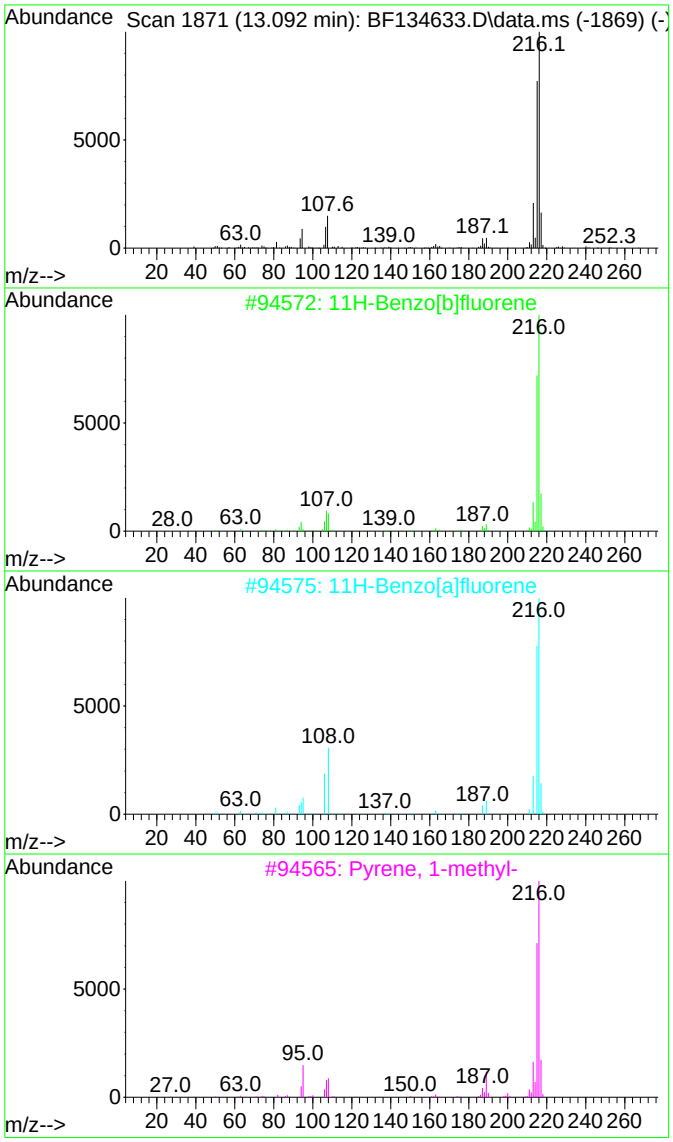
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

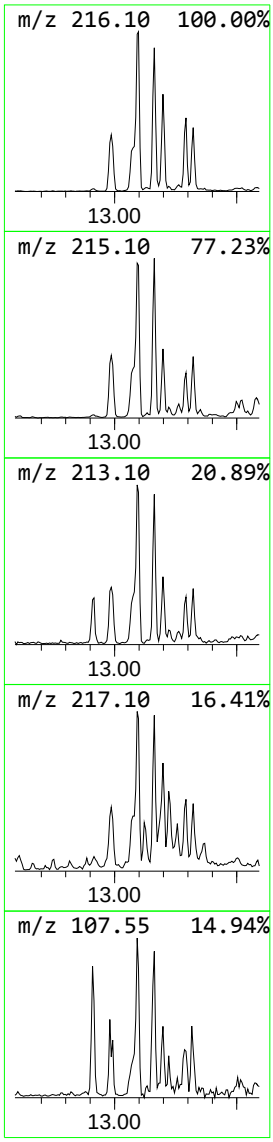
****

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	2.63 ng	415359	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

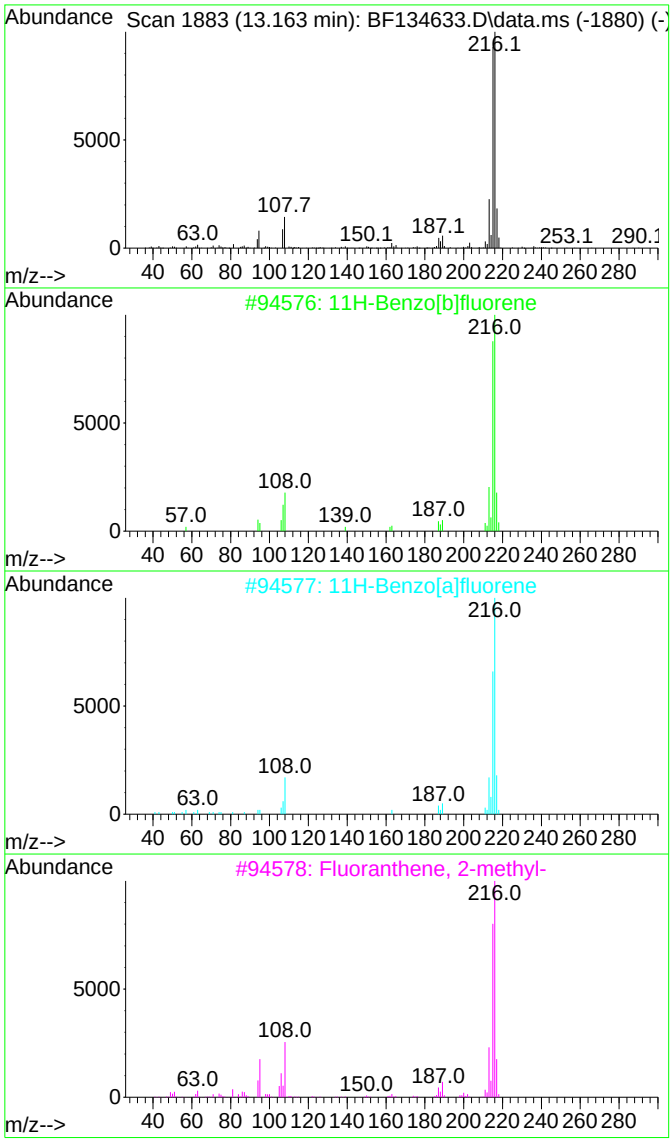
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

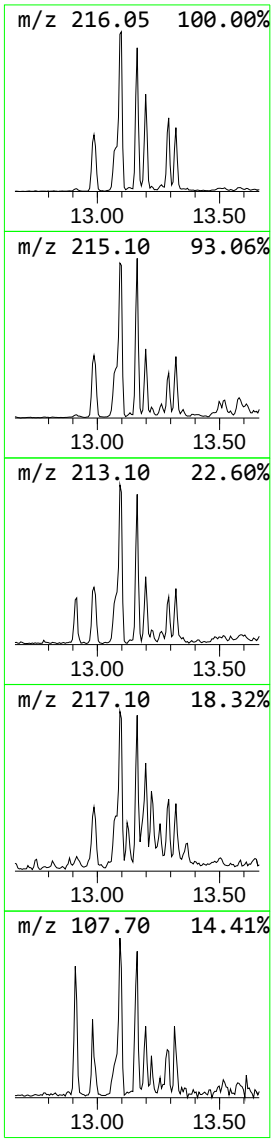
****

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.163	2.10 ng	331320	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

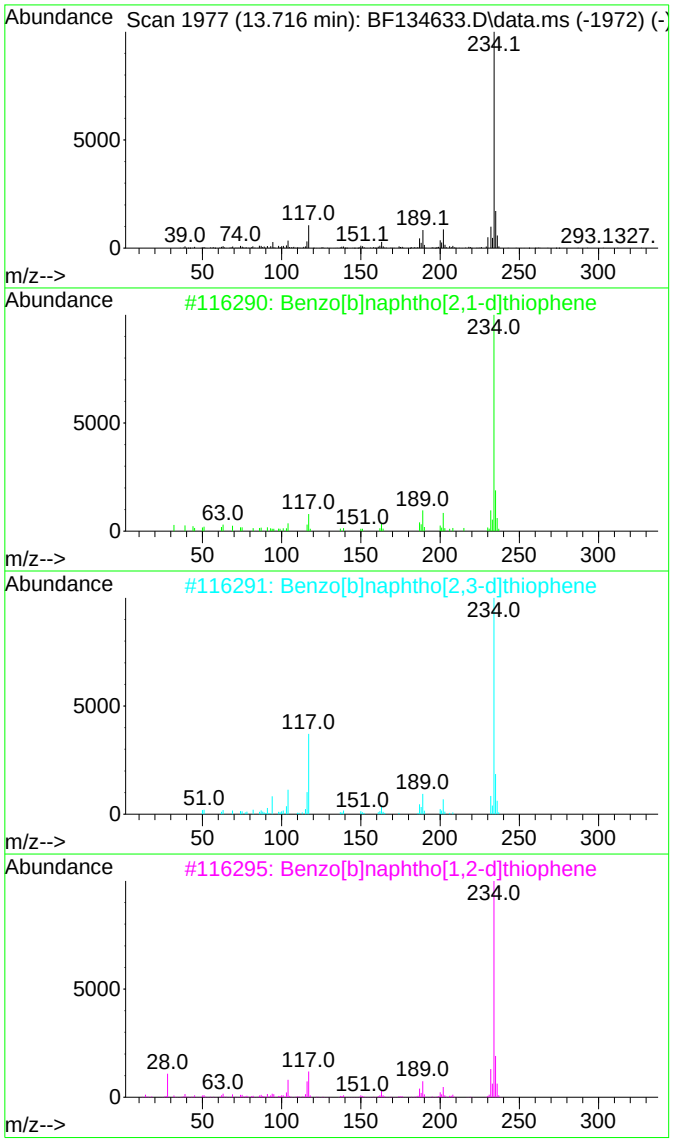
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

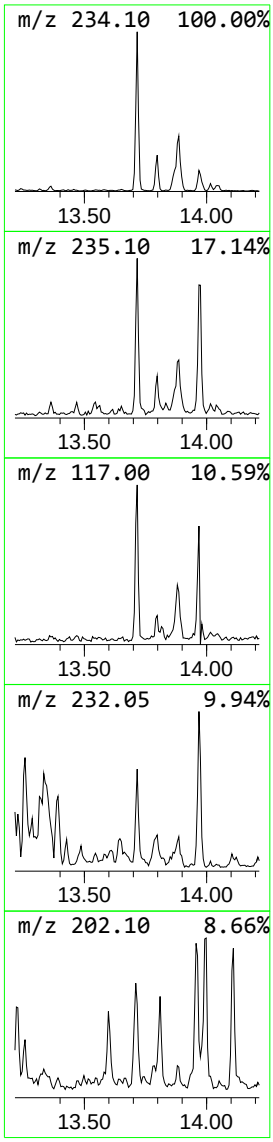
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.10 ng	332014	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

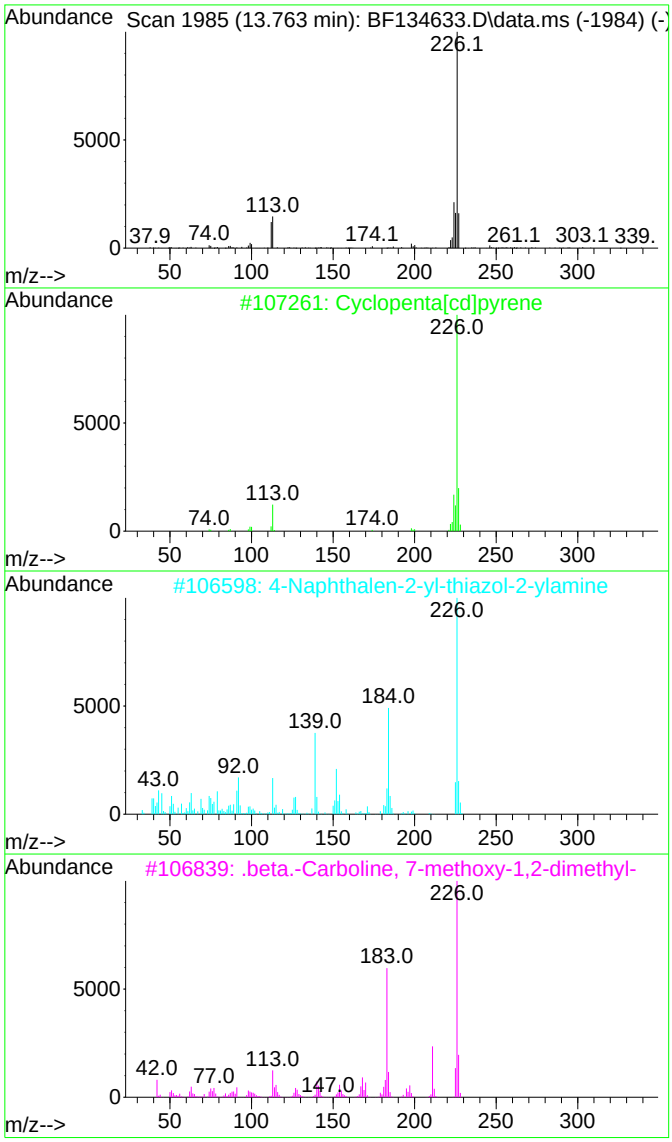
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

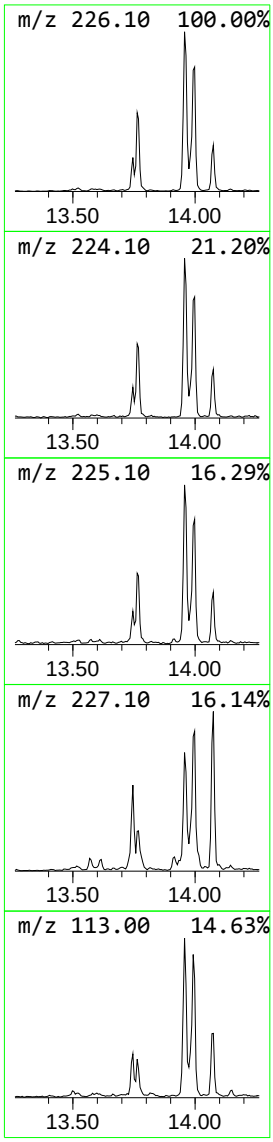
****

Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	2.02 ng	318803	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	45
5	3-Hydroxy-4-methyl-6H-benzo[c]ch...	226	C14H10O3	076244-77-4	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

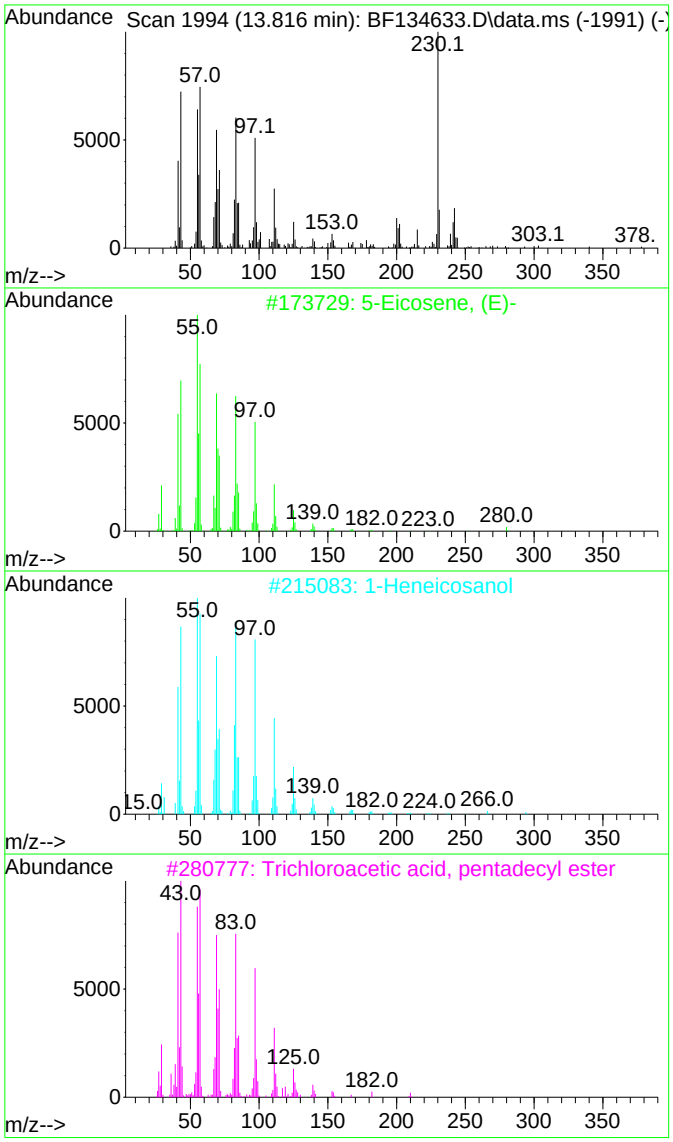
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

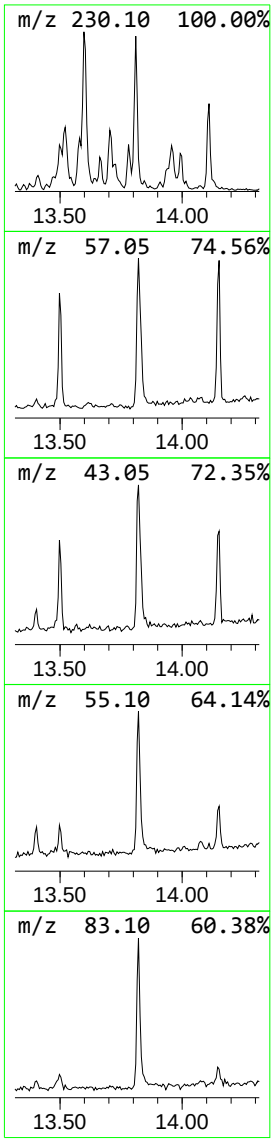
****

Peak Number 15 5-Eicosene, (E)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	2.38 ng	376984	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	89
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	70
4	Pentacos-1-ene	350	C25H50	016980-85-1	70
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

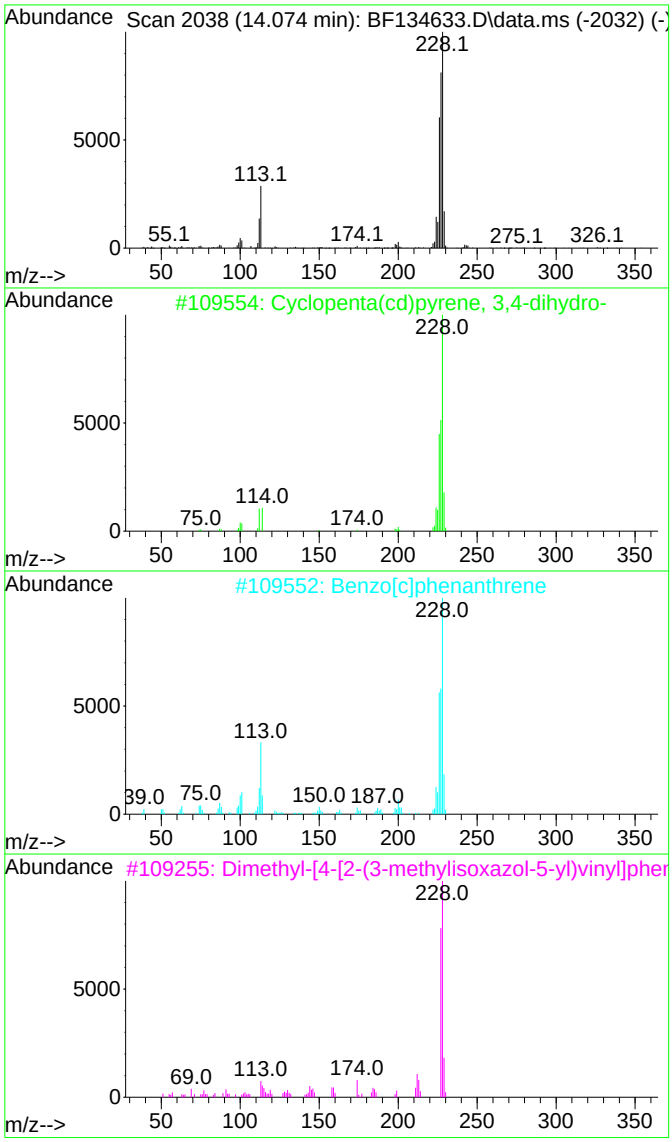
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

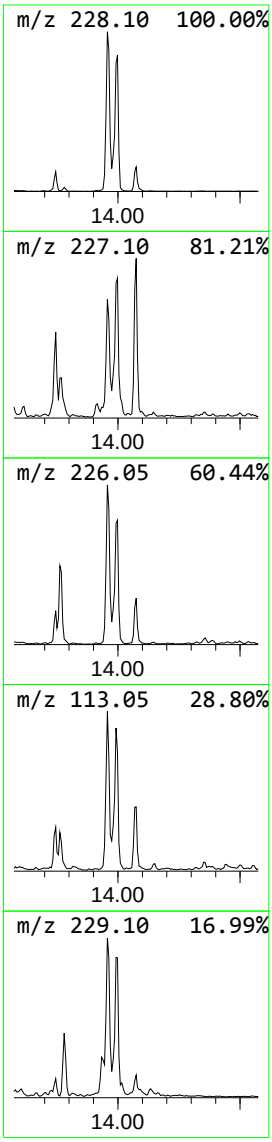
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.074	2.55 ng	403488	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	72
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

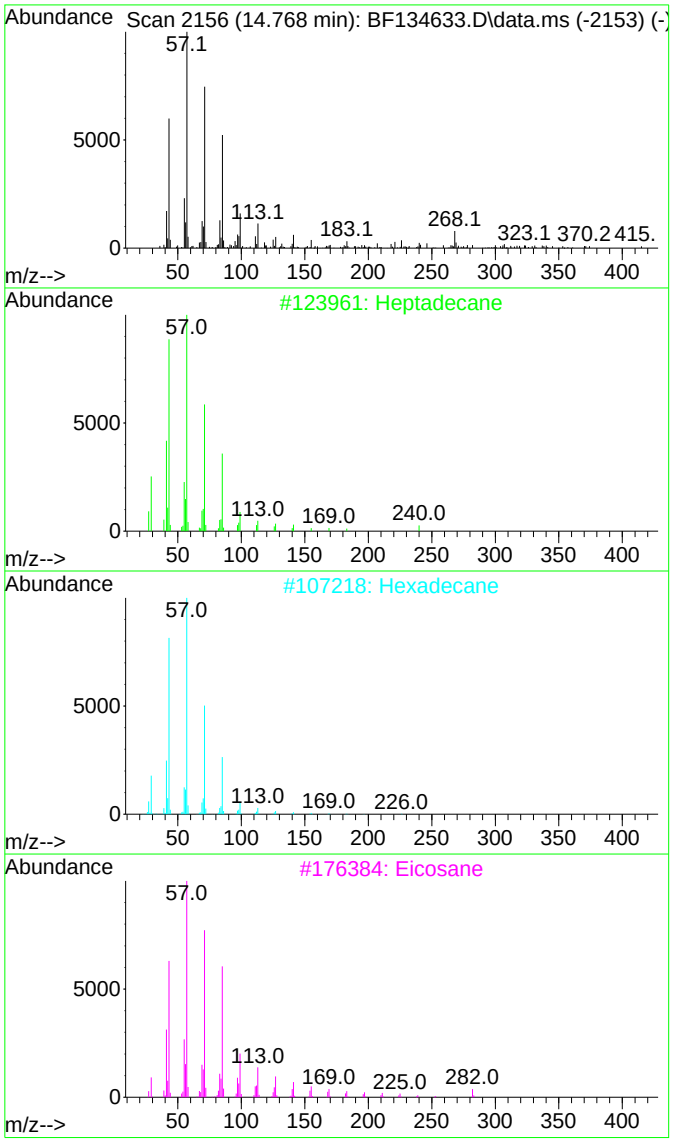
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

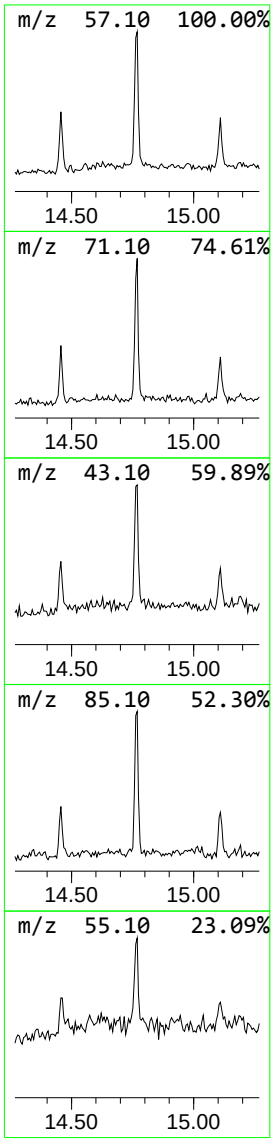
****

Peak Number 17 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.769	3.78 ng	160398	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Hexadecane	226	C16H34	000544-76-3	93
3	Eicosane	282	C20H42	000112-95-8	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

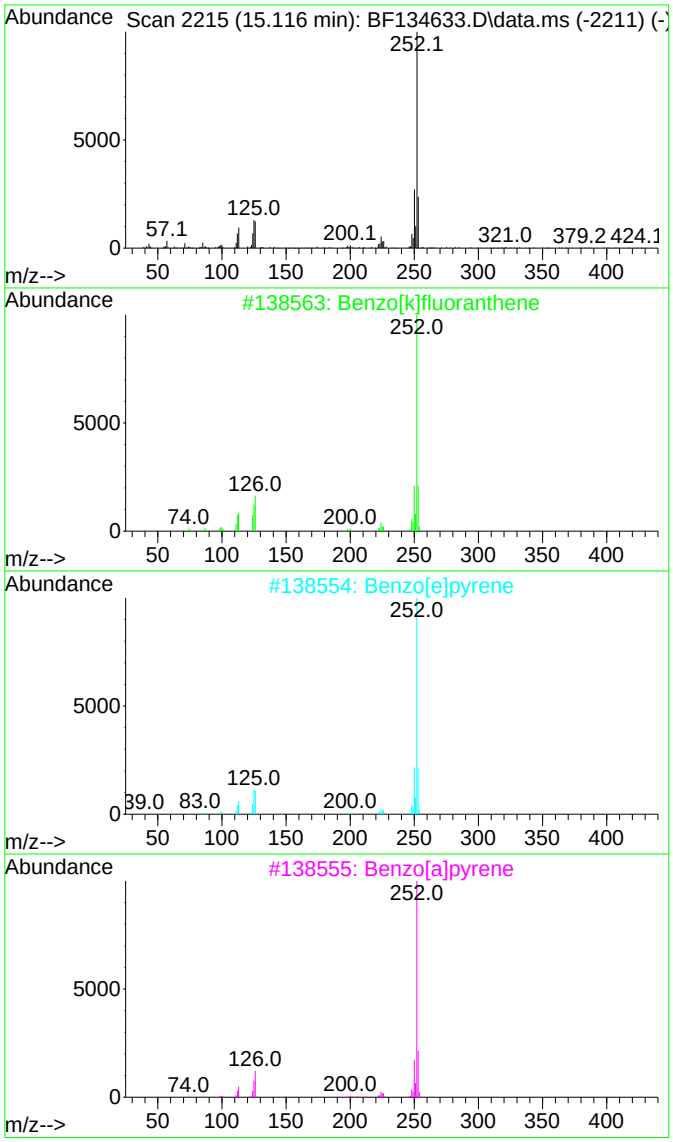
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

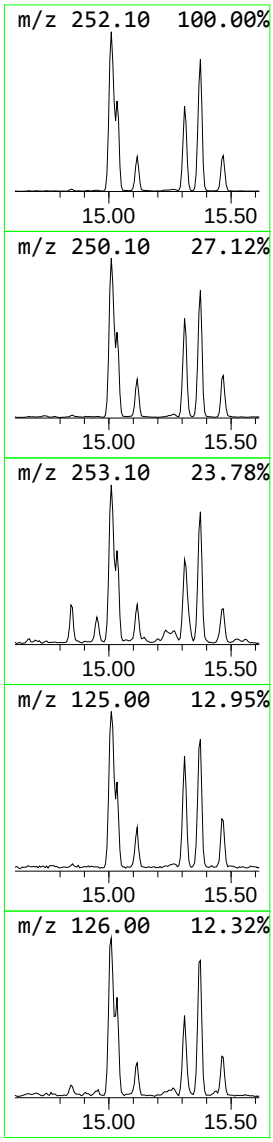
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	6.20 ng	263322	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

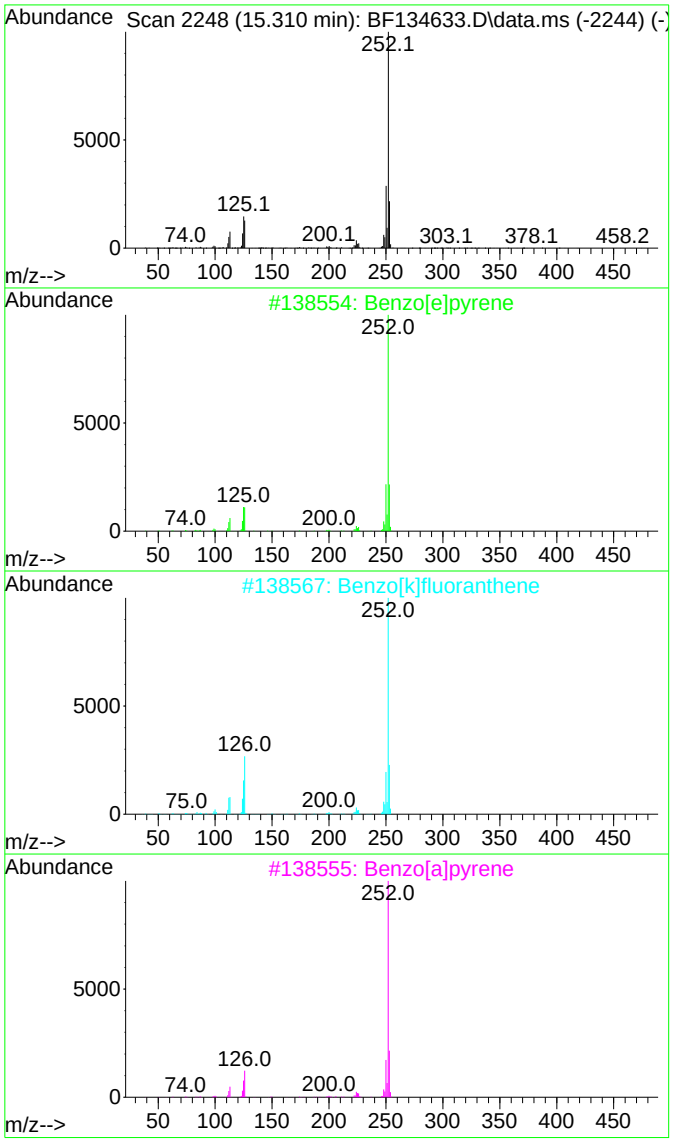
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

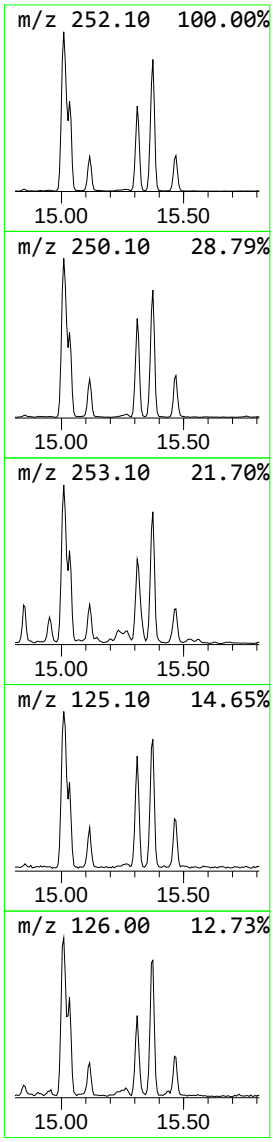
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	16.27 ng	690694	Perylene-d12	15.439

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

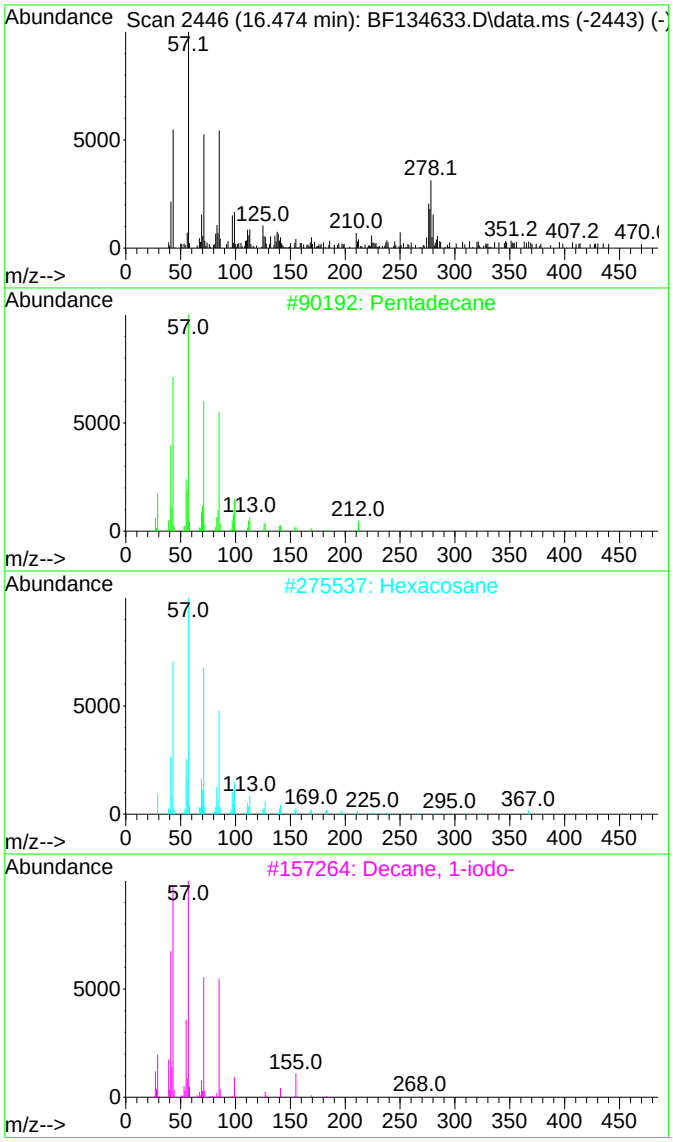
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

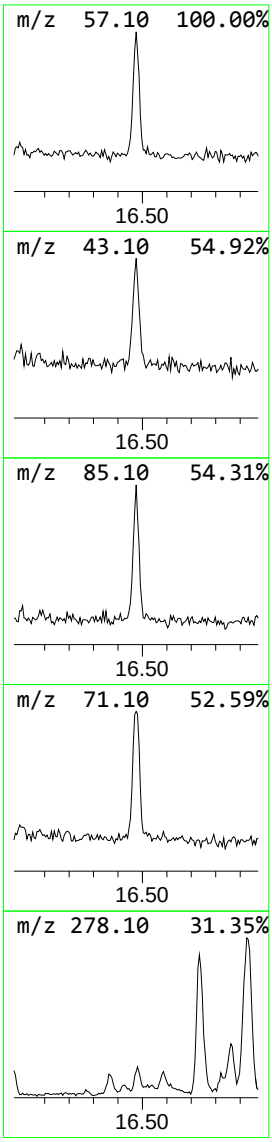
****

Peak Number 20 Pentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.474	2.40 ng	101852	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	50
2	Hexacosane	366	C26H54	000630-01-3	43
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	43
4	Tritriacontane	465	C33H68	000630-05-7	43
5	Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2,4,7,9-Tetrame...	9.275	3.4	ng	195796	3	9.834	1154370	20.0
Phenanthrene, 2...	11.822	2.9	ng	160093	4	11.322	1088740	20.0
Anthracene, 2-m...	11.851	6.9	ng	377393	4	11.322	1088740	20.0
Phenanthrene, 4...	11.898	2.3	ng	125457	4	11.322	1088740	20.0
4H-Cyclopenta[d...	11.933	6.8	ng	368576	4	11.322	1088740	20.0
1H-Cyclopropa[l...	11.957	2.2	ng	118242	4	11.322	1088740	20.0
Naphthalene, 2-...	12.122	3.3	ng	178225	4	11.322	1088740	20.0
Phenanthrene, 2...	12.374	3.1	ng	167263	4	11.322	1088740	20.0
Cyclopenta(def)...	12.457	2.4	ng	131861	4	11.322	1088740	20.0
Benzene, 1,1'-(...	12.627	2.2	ng	117871	4	11.322	1088740	20.0
11H-Benzo[b]flu...	13.092	2.6	ng	415359	5	13.969	3162750	20.0
11H-Benzo[a]flu...	13.163	2.1	ng	331320	5	13.969	3162750	20.0
Benzo[b]naphtho...	13.716	2.1	ng	332014	5	13.969	3162750	20.0
Cyclopenta[cd]p...	13.763	2.0	ng	318803	5	13.969	3162750	20.0
5-Eicosene, (E)-	13.816	2.4	ng	376984	5	13.969	3162750	20.0
Cyclopenta(cd)p...	14.074	2.5	ng	403488	5	13.969	3162750	20.0
Heptadecane	14.769	3.8	ng	160398	6	15.439	849269	20.0
Benzo[e]pyrene	15.116	6.2	ng	263322	6	15.439	849269	20.0
Benzo[j]fluoran...	15.310	16.3	ng	690694	6	15.439	849269	20.0
Pentadecane	16.474	2.4	ng	101852	6	15.439	849269	20.0