LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135657.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.963	485	489	499	rBV	253441	338562	12.23%	0.691%
2	5.375	555	559	577	rBV	2585838	2711866	97.94%	5.538%
3	6.387	728	731	756	rBV	2476271	2768886	100.00%	5.654%
4	6.740	788	791	798	rBV	876201	734672	26.53%	1.500%
5	7.304	883	887	890	rBV	1879164	1627370	58.77%	3.323%
6	7.998	1001	1005	1006	rBV	132863	116169	4.20%	0.237%
7	8.016	1006	1008	1010	rVV	1166881	933825	33.73%	1.907%
8	8.040	1010	1012	1016	rVV	677247	567370	20.49%	1.159%
9	8.610	1106	1109	1111	rBV	161666	132127	4.77%	0.270%
10	8.734	1127	1130	1135	rBV	652911	523950	18.92%	1.070%
11	8.828	1142	1146	1152	rBV	430759	433320	15.65%	0.885%
12	9.098	1188	1192	1195	rBV	2962559	2582846	93.28%	5.275%
13	9.175	1201	1205	1207	rBV	173494	139049	5.02%	0.284%
14	9.363	1233	1237	1241	rBV	225652	309108	11.16%	0.631%
15	9.434	1246	1249	1252	rVV	369193	385141	13.91%	0.787%
16	9.463	1252	1254	1258	rVV	233401	244619	8.83%	0.500%
17	9.551	1266	1269	1276	rVV	177356	206776	7.47%	0.422%
18	9.639	1280	1284	1288	rVB	180464	175724	6.35%	0.359%
19	9.704	1293	1295	1299	rBV	137559	114099	4.12%	0.233%
20	9.775	1299	1307	1310	rBV	1121566	1006934	36.37%	2.056%
21	9.810	1310	1313	1316	rVB	405711	364415	13.16%	0.744%
22	9.881	1321	1325	1330	rVB4	77444	101785	3.68%	0.208%
23	9.981	1337	1342	1346	rVV	455009	434118	15.68%	0.887%
24	10.022	1346	1349	1353	rVB2	150377	140856	5.09%	0.288%
25	10.092	1358	1361	1364	rBV	131334	133744	4.83%	0.273%
26	10.122	1364	1366	1372	rVB2	93568	90348	3.26%	0.185%
27	10.186	1372	1377	1378	rBV	79190	96530	3.49%	0.197%
28	10.204	1378	1380	1383	rVB	179907	146976	5.31%	0.300%
29	10.328	1397	1401	1407	rVV	781456	693562	25.05%	1.416%
30	10.392	1407	1412	1413	rVV2	81302	103500	3.74%	0.211%
31	10.410	1413	1415	1417	rVV2	101978	106170	3.83%	0.217%
32	10.433	1417	1419	1422	rVV2	80167	91332	3.30%	0.187%
33	10.486	1425	1428	1431	rVB	138063	137475	4.96%	0.281%
34	10.569	1439	1442	1447	rBV	1448263	1382851	49.94%	2.824%
35	10.681	1458	1461	1469	rVB3	144551	241749	8.73%	0.494%
36	10.881	1490	1495	1497	rBV2	160861	200466	7.24%	0.409%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.904	1497	1499	1502	rVV	106012	98442	3.56%	0.201%
38	11.133	1532	1538	1540	rVV2	119468	166675	6.02%	0.340%
39	11.169	1540	1544	1551	rVB	269223	305110	11.02%	0.623%
40	11.269	1558	1561	1563	rBV	908319	827945	29.90%	1.691%
41	11.298	1563	1566	1569	rVV	2598647	2334037	84.30%	4.766%
42	11.345	1569	1574	1577	rVV	742272	684006	24.70%	1.397%
43	11.386	1577	1581	1584	rVV3	74201	131463	4.75%	0.268%
44	11.516	1598	1603	1608	rBV	157856	216730	7.83%	0.443%
45	11.563	1608	1611	1614	rVV	156472	131658	4.75%	0.269%
46	11.604	1614	1618	1623	rVB2	103663	127163	4.59%	0.260%
47	11.686	1630	1632	1636	rVB3	71551	84273	3.04%	0.172%
48	11.775	1644	1647	1649	rVV	559693	454337	16.41%	0.928%
49	11.804	1649	1652	1658	rVV	1063709	1055584	38.12%	2.156%
50	11.851	1658	1660	1663	rVV	226989	213476	7.71%	0.436%
51	11.886	1663	1666	1668	rVV	796195	757701	27.36%	1.547%
52	11.910	1668	1670	1674	rVV	327146	274413	9.91%	0.560%
53	11.969	1677	1680	1683	rBV5	74761	82959	3.00%	0.169%
54	12.069	1695	1697	1702	rBV	219069	223512	8.07%	0.456%
55	12.116	1702	1705	1708	rVB2	84222	95234	3.44%	0.194%
56	12.257	1726	1729	1731	rBV	150185	128913	4.66%	0.263%
57	12.280	1731	1733	1736	rVB	120588	95220	3.44%	0.194%
58	12.327	1737	1741	1744	rBV	338158	340491	12.30%	0.695%
59	12.363	1744	1747	1753	rVB4	225810	393084	14.20%	0.803%
60	12.427	1753	1758	1761	rBV2	147495	207151	7.48%	0.423%
61	12.492	1766	1769	1772	rBV	2443126	2467065	89.10%	5.038%
62	12.557	1778	1780	1784	rVB2	81503	85160	3.08%	0.174%
63	12.592	1784	1786	1792	rBV4	166768	205448	7.42%	0.420%
64	12.645	1792	1795	1798	rVV	164126	147770	5.34%	0.302%
65	12.727	1802	1809	1814	rBV	2317529	2683982	96.93%	5.481%
66	12.775	1814	1817	1822	rVB2	164026	190587	6.88%	0.389%
67	12.863	1826	1832	1836	rVV	1763879	1844072	66.60%	3.766%
68	12.945	1842	1846	1850	rBV2	222168	360621	13.02%	0.736%
69	13.033	1857	1861	1862	rBV2	177453	207685	7.50%	0.424%
70	13.057	1862	1865	1868	rVB	451144	456528	16.49%	0.932%
71	13.122	1873	1876	1879	rVV	383662	312317	11.28%	0.638%
72	13.163	1879	1883	1887	rVV2	319045	377541	13.64%	0.771%
73	13.251	1895	1898	1901	rBV	229605	188942	6.82%	0.386%
74	13.286	1901	1904	1907	rBV	201324	206675	7.46%	0.422%
75	13.574	1950	1953	1956	rVB2	137047	138849	5.01%	0.284%
76	13.680	1966	1971	1973	rBV2	221679	254748	9.20%	0.520%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

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-BF091123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.704	1973	1975	1977	rVB	184884	131692	4.76%	0.269%
78	13.733	1977	1980	1981	rBV	127393	98989	3.58%	0.202%
79	13.851	1998	2000	2006	rBV2	70864	107832	3.89%	0.220%
80	13.927	2007	2013	2017	rVV2	1242695	1998567	72.18%	4.081%
81	13.963	2017	2019	2026	rVB	1008131	873200	31.54%	1.783%
82	14.039	2030	2032	2035	rVB	181408	143771	5.19%	0.294%
83	14.092	2038	2041	2046	rBV3	127780	143383	5.18%	0.293%
84	14.286	2072	2074	2076	rBV2	96421	87663	3.17%	0.179%
85	14.327	2076	2081	2084	rVV	291229	370550	13.38%	0.757%
86	14.357	2084	2086	2089	rVV	137551	125248	4.52%	0.256%
87	14.398	2091	2093	2095	rVV2	101784	108774	3.93%	0.222%
88	14.421	2095	2097	2100	rVV	97527	110279	3.98%	0.225%
89	14.451	2100	2102	2104	rVV	150907	136320	4.92%	0.278%
90	14.469	2104	2105	2108	rVB	122127	97831	3.53%	0.200%
91	14.774	2154	2157	2162	rVB	335040	347051	12.53%	0.709%
92	14.821	2163	2165	2168	rBV2	87660	94156	3.40%	0.192%
93	14.980	2188	2192	2195	rBV	698695	1017292	36.74%	2.077%
94	15.086	2207	2210	2215	rVB	156420	167498	6.05%	0.342%
95	15.280	2239	2243	2249	rVB	395197	471656	17.03%	0.963%
96	15.345	2250	2254	2260	rVV	623706	775949	28.02%	1.585%
97	15.404	2260	2264	2268	rVV	412472	543180	19.62%	1.109%
98	15.439	2268	2270	2278	rVB2	177089	242170	8.75%	0.495%
99	16.898	2513	2518	2527	rVB2	199518	385600	13.93%	0.787%
100	17.351	2590	2595	2602	rVB2	160920	313539	11.32%	0.640%

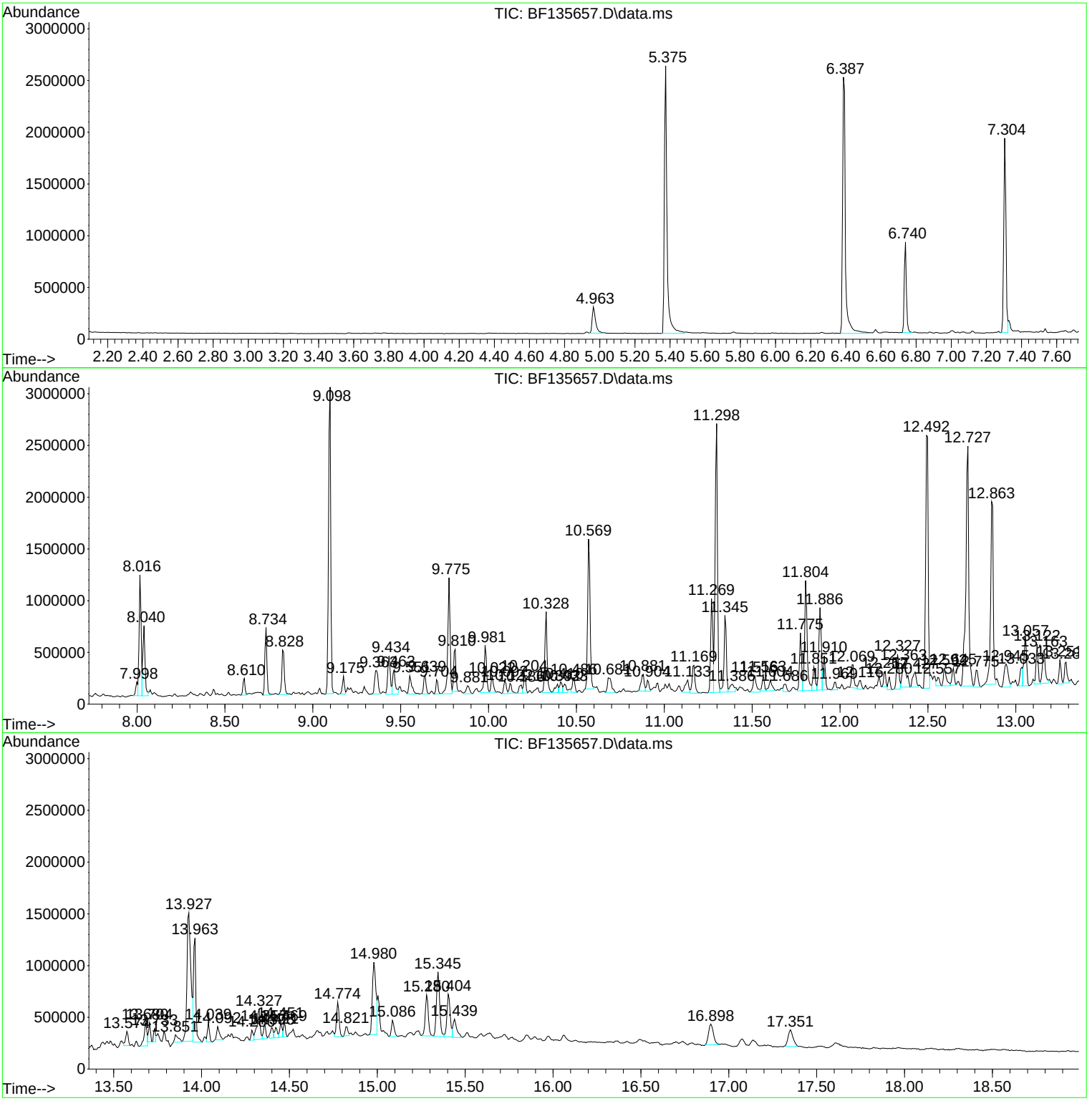
Sum of corrected areas: 48968047

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

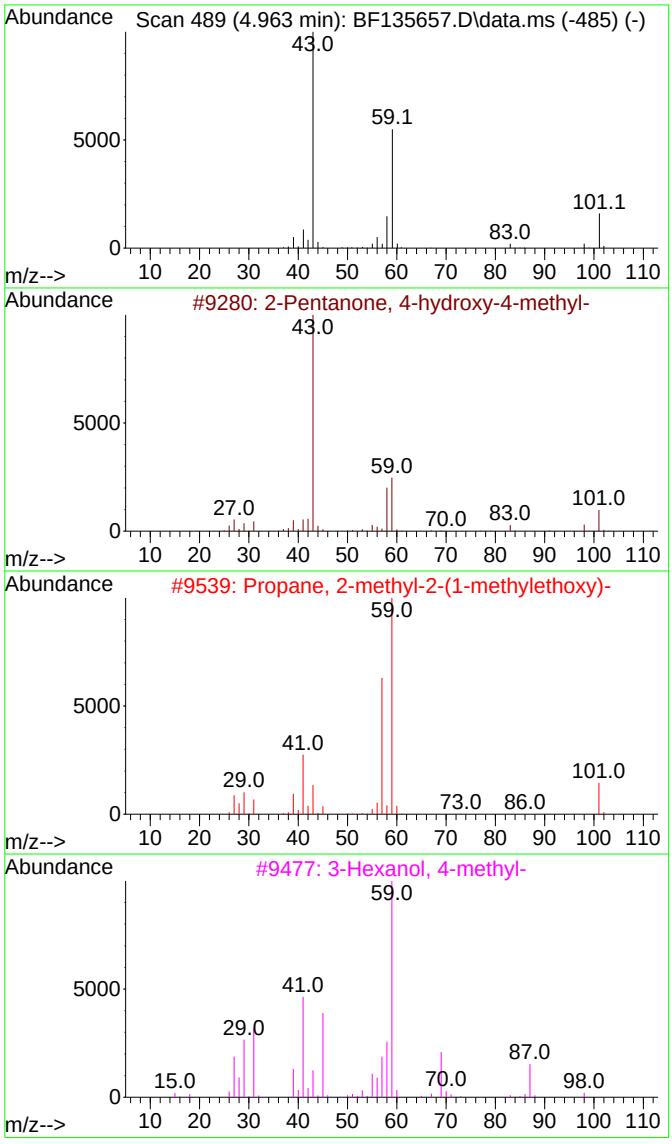
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

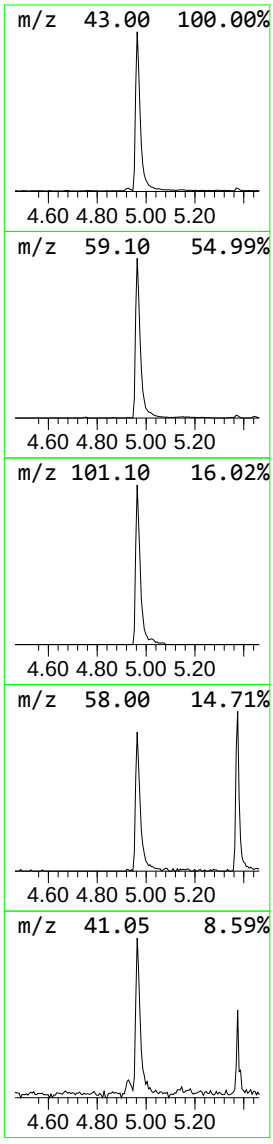
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.963	9.22 ng	338562	1,4-Dichlorobenzene-d4	6.740

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

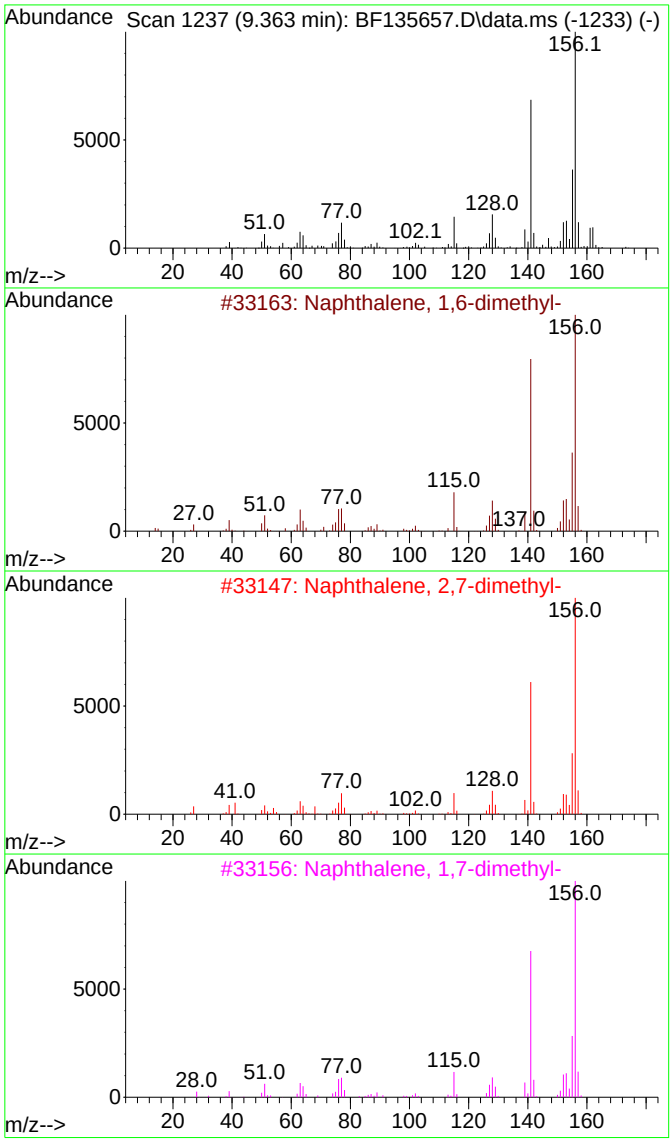
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

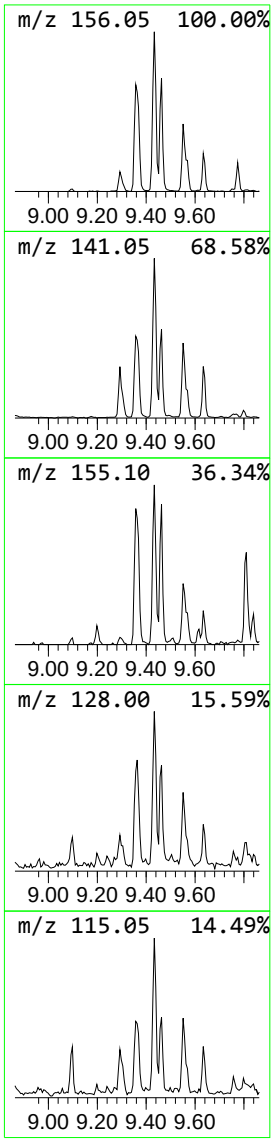
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	6.14 ng	309108	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

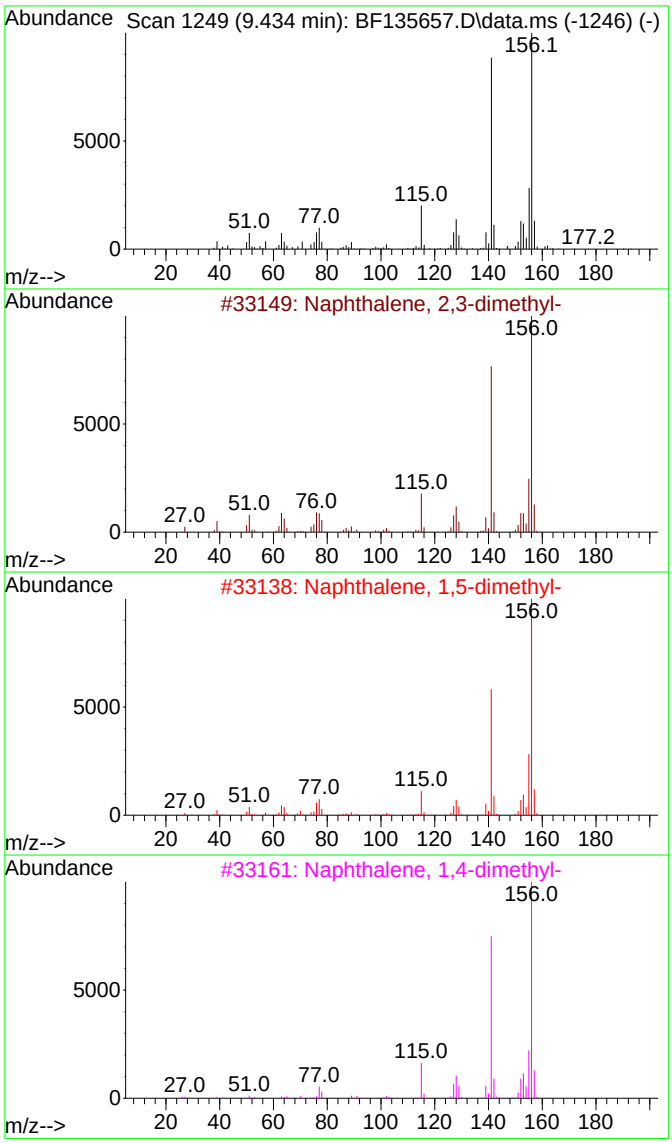
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

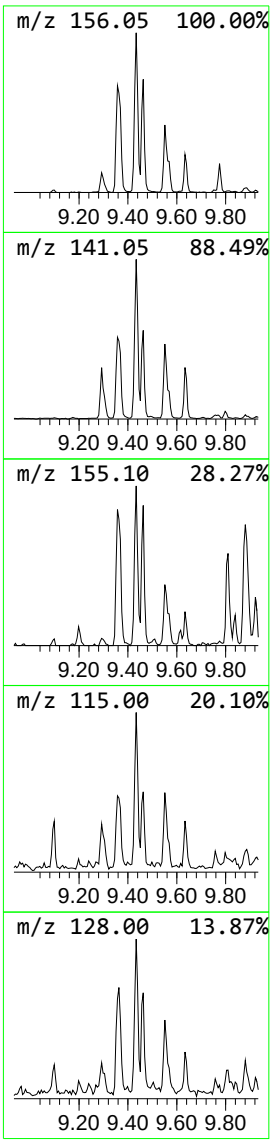
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	7.65 ng	385141	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

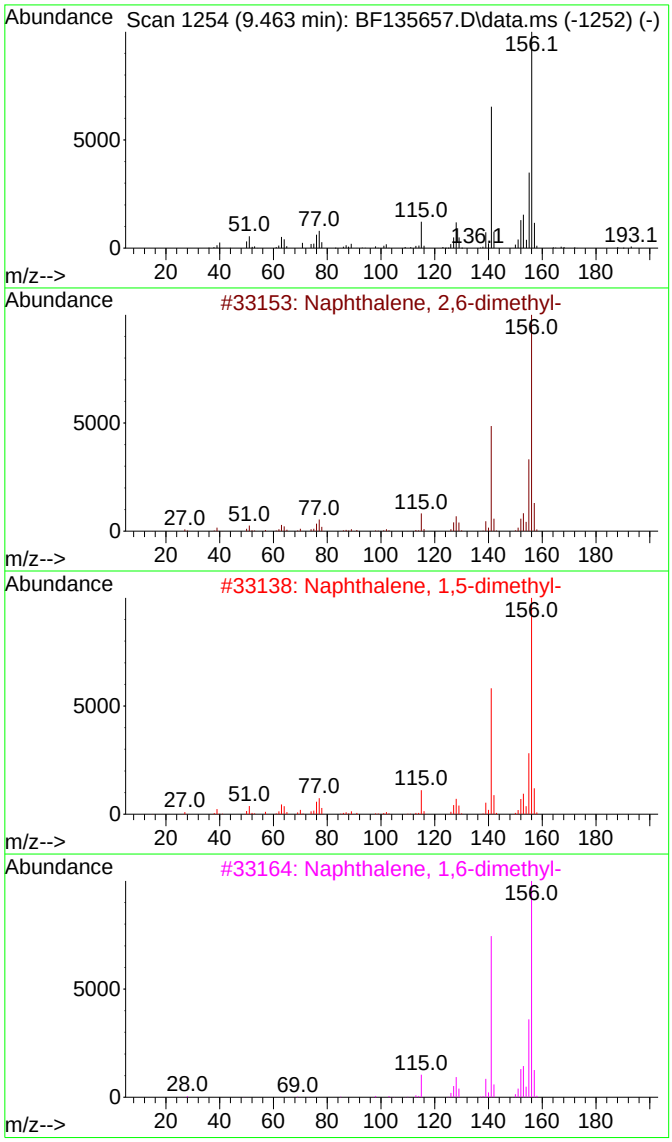
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

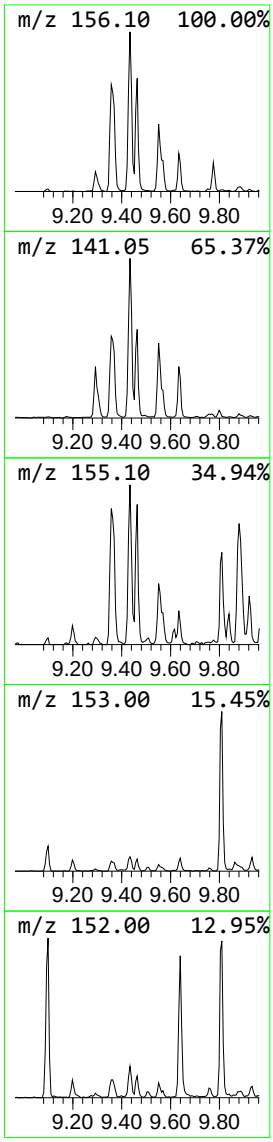
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.463	4.86 ng	244619	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

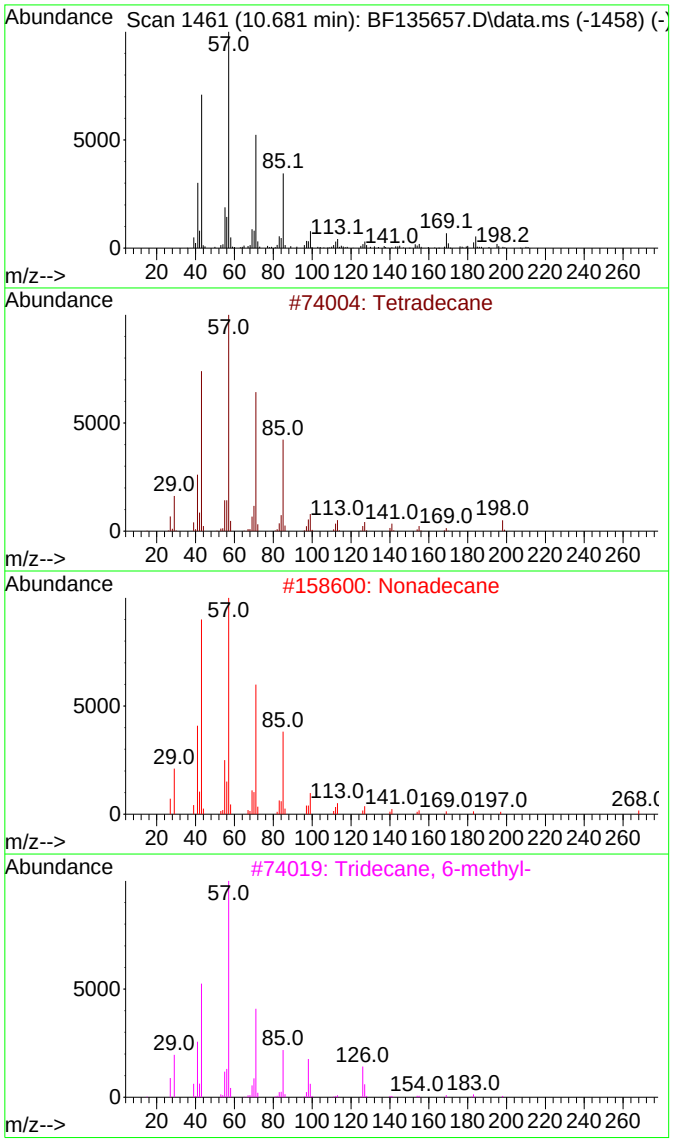
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

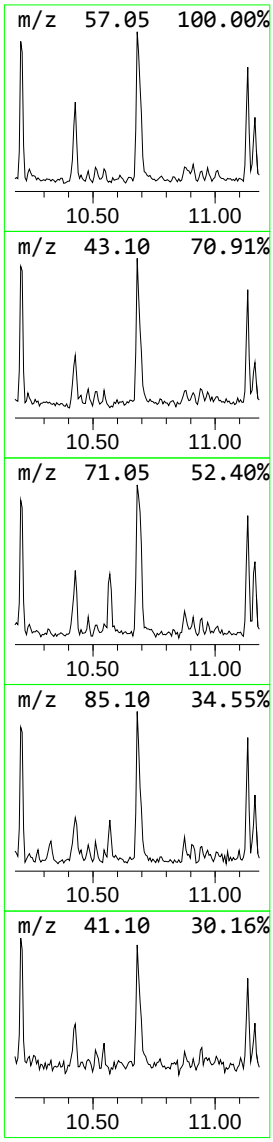
****

Peak Number 5 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	5.84 ng	241749	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Nonadecane	268	C19H40	000629-92-5	87
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
4	Pentadecane	212	C15H32	000629-62-9	86
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

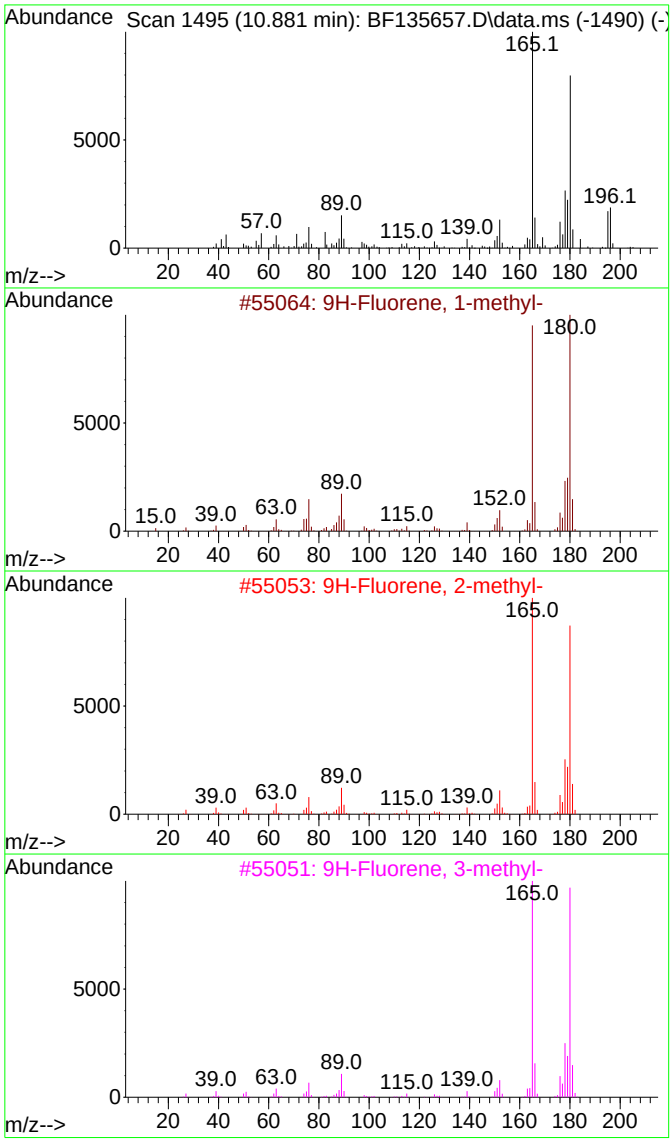
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

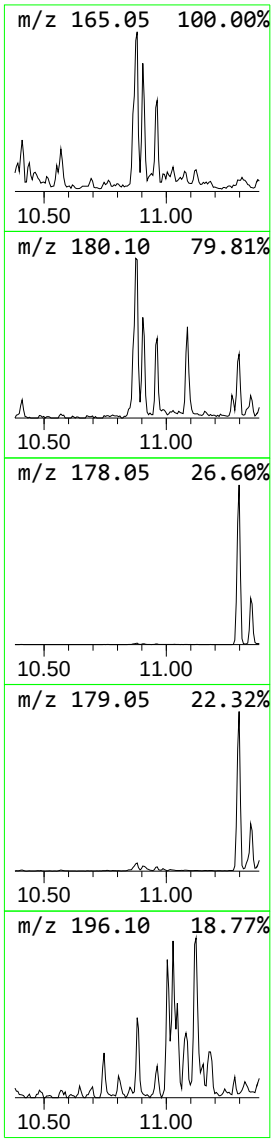
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.881	4.84 ng	200466	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

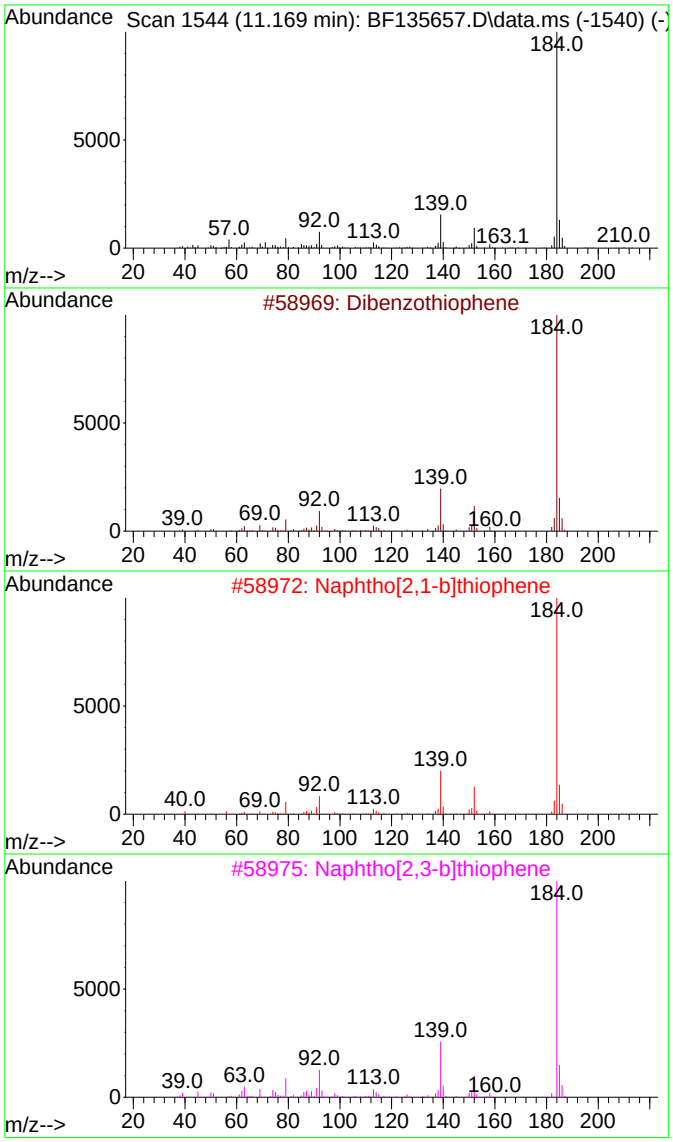
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

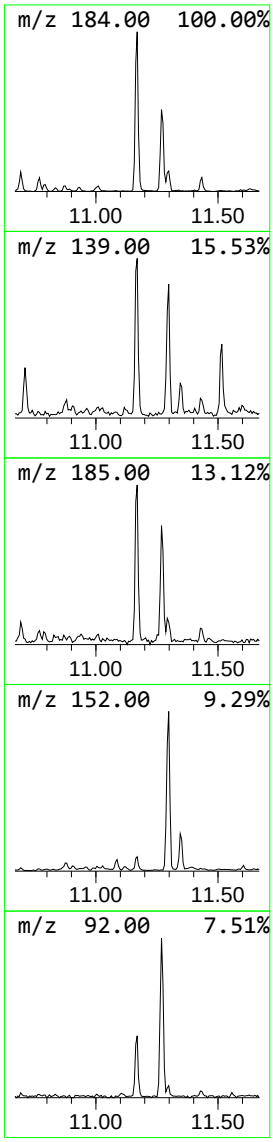
****

Peak Number 7 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	7.37 ng	305110	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

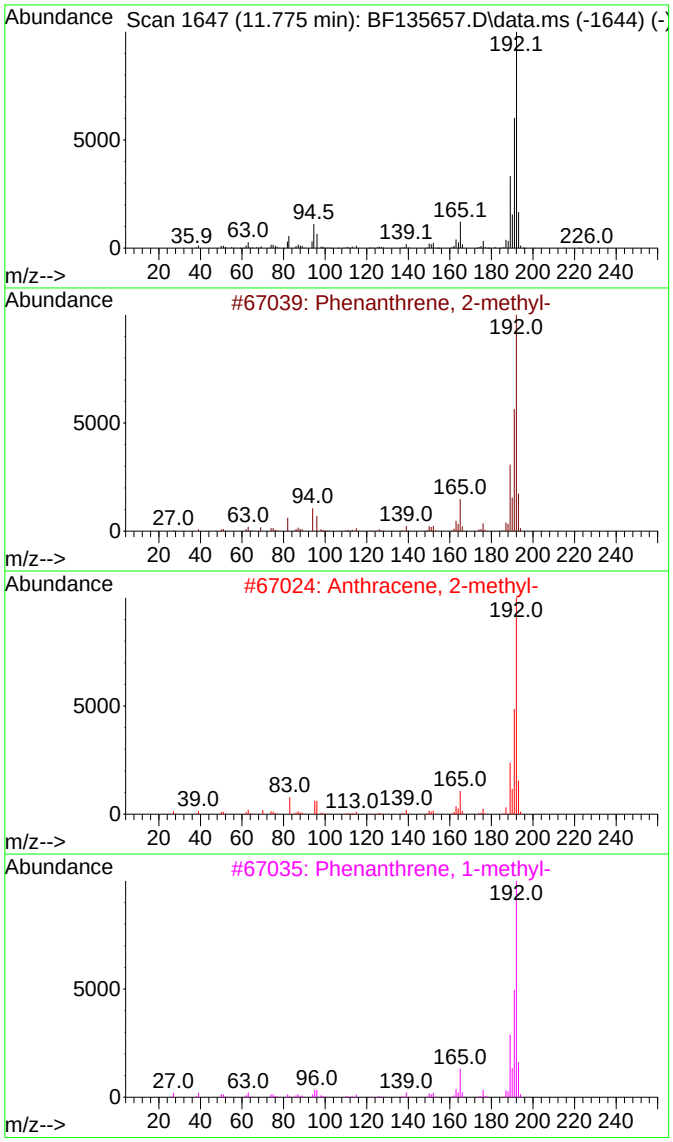
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

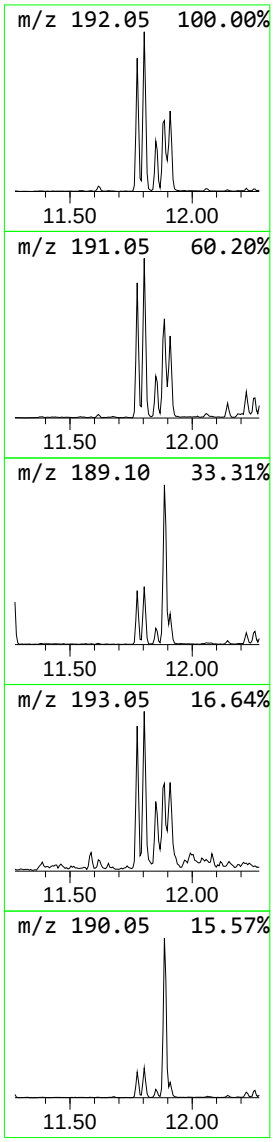
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	10.98 ng	454337	Phenanthrene-d10	11.269

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	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

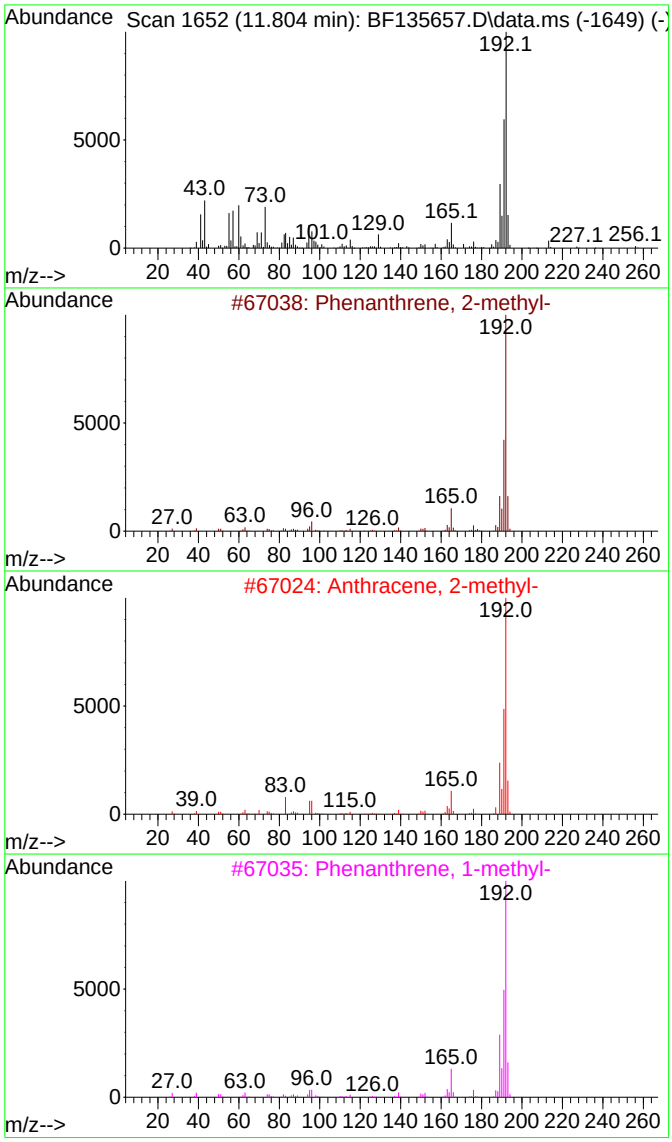
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

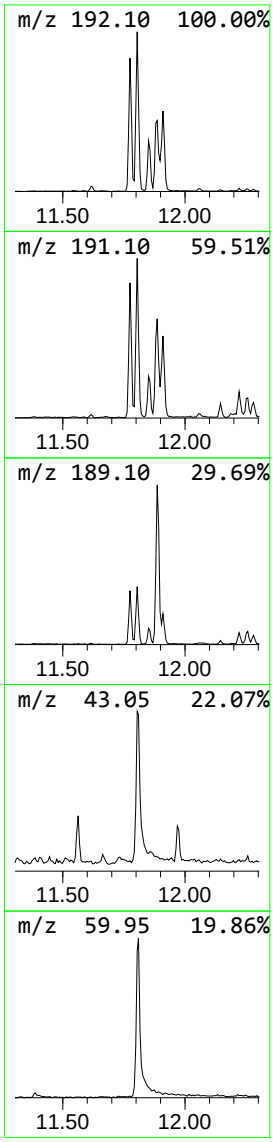
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	25.50 ng	1055580	Phenanthrene-d10	11.269

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, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

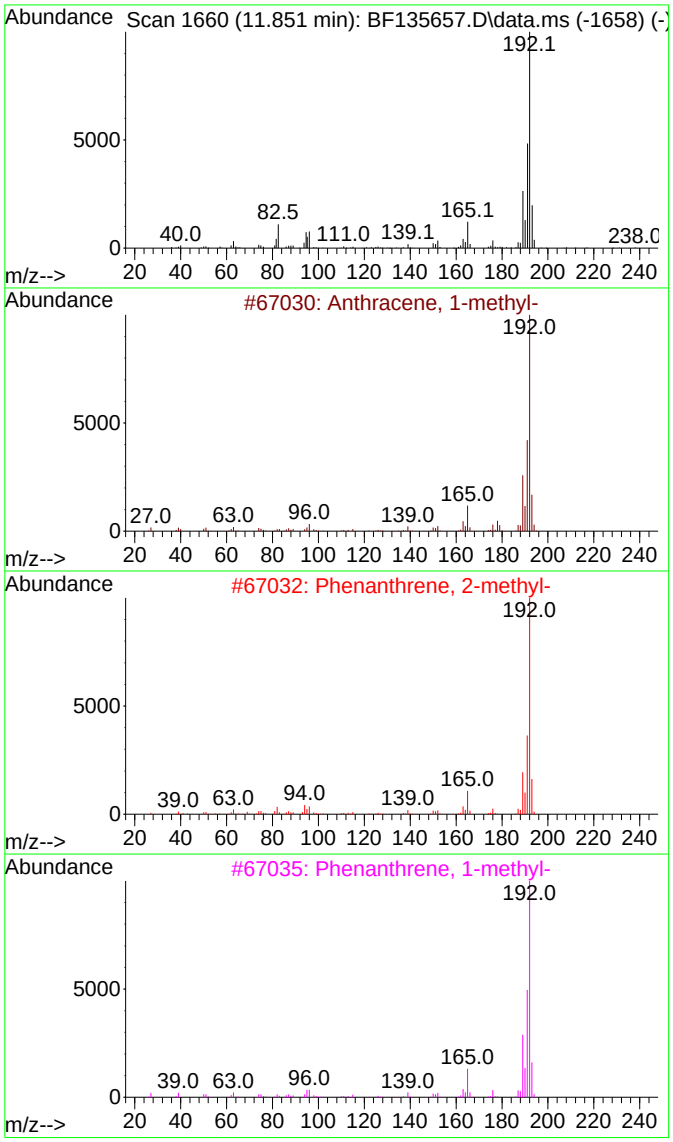
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

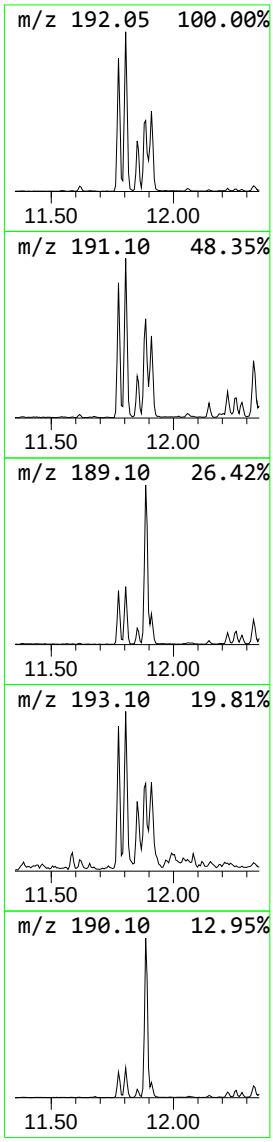
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	5.16 ng	213476	Phenanthrene-d10	11.269

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

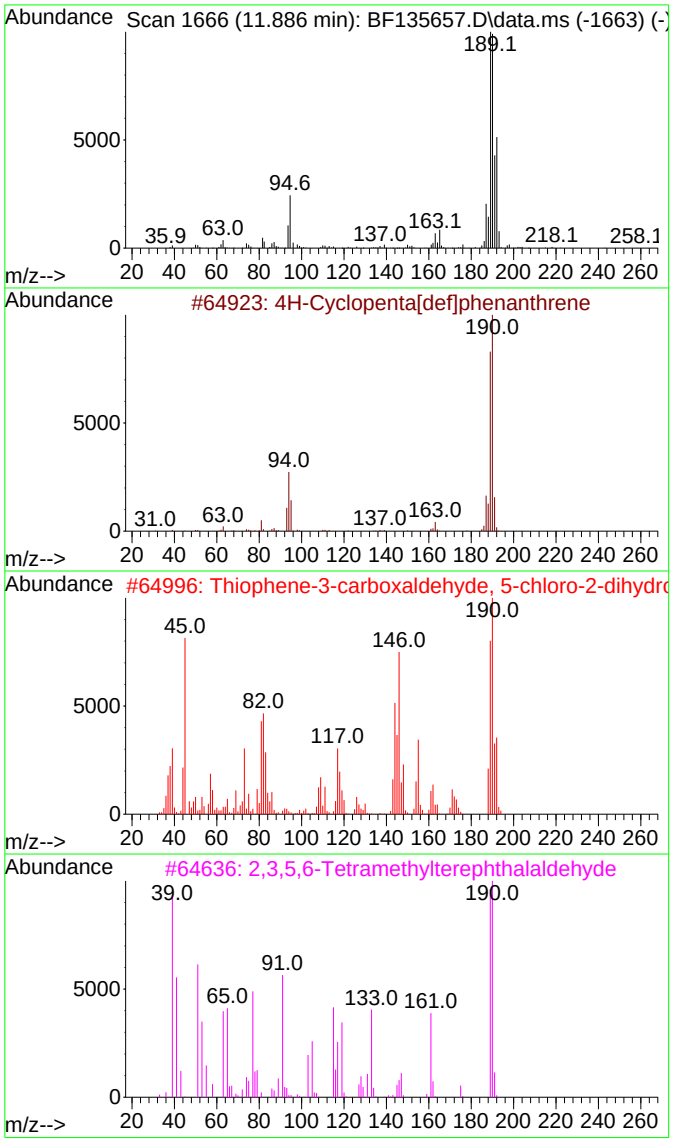
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

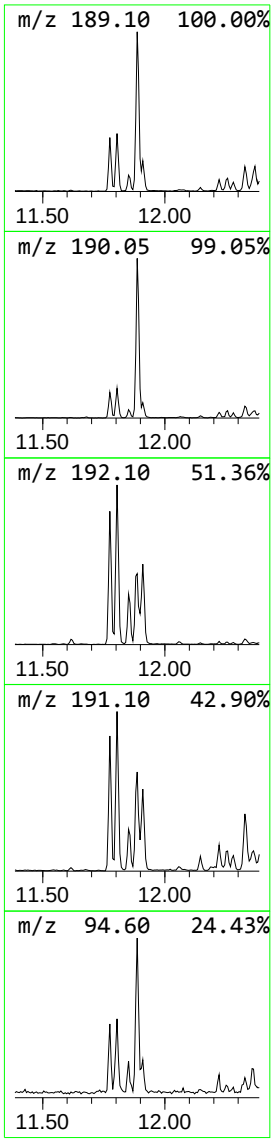
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	18.30 ng	757701	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

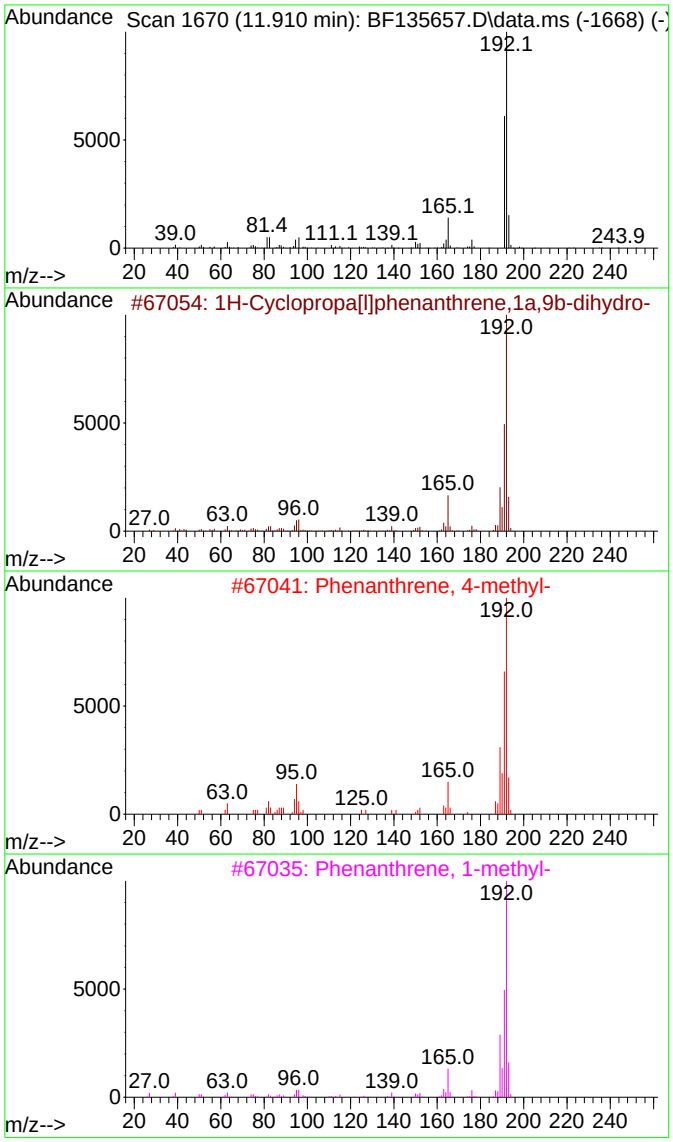
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

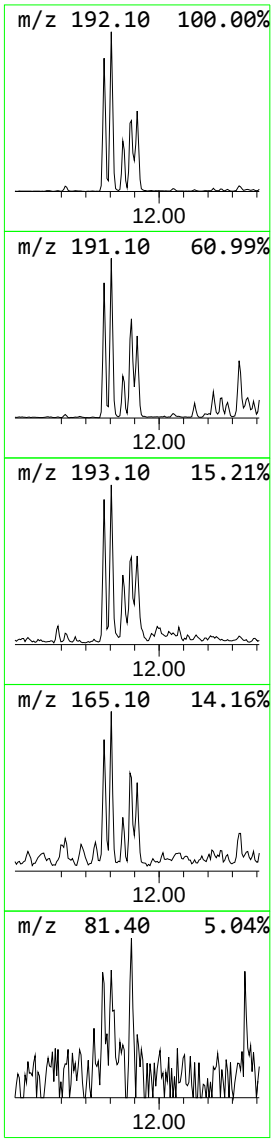
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	6.63 ng	274413	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

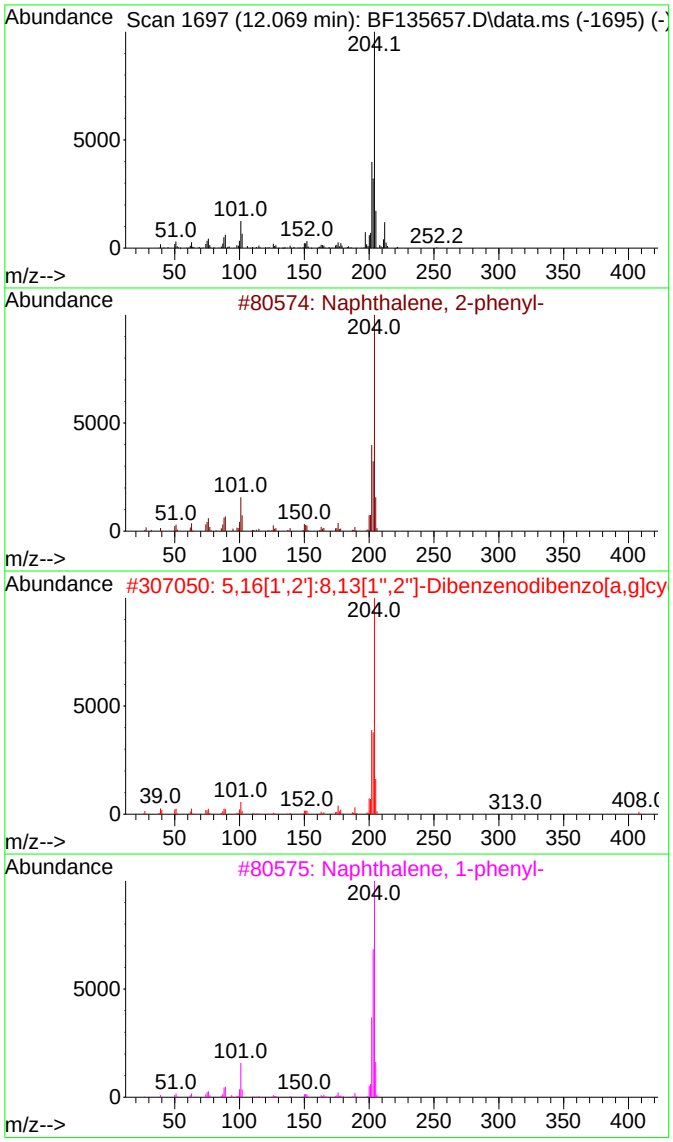
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

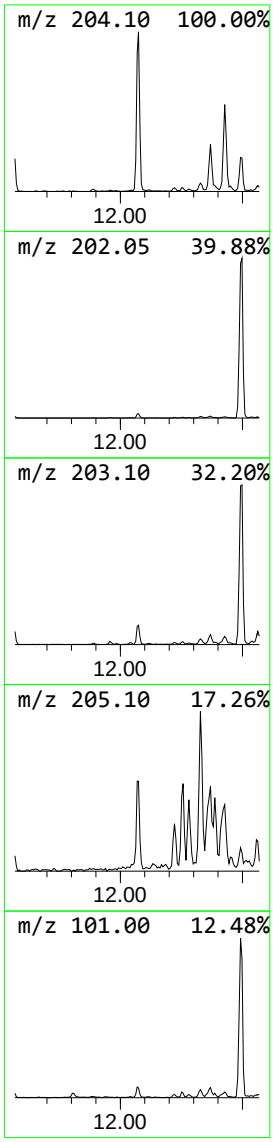
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	5.40 ng	223512	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

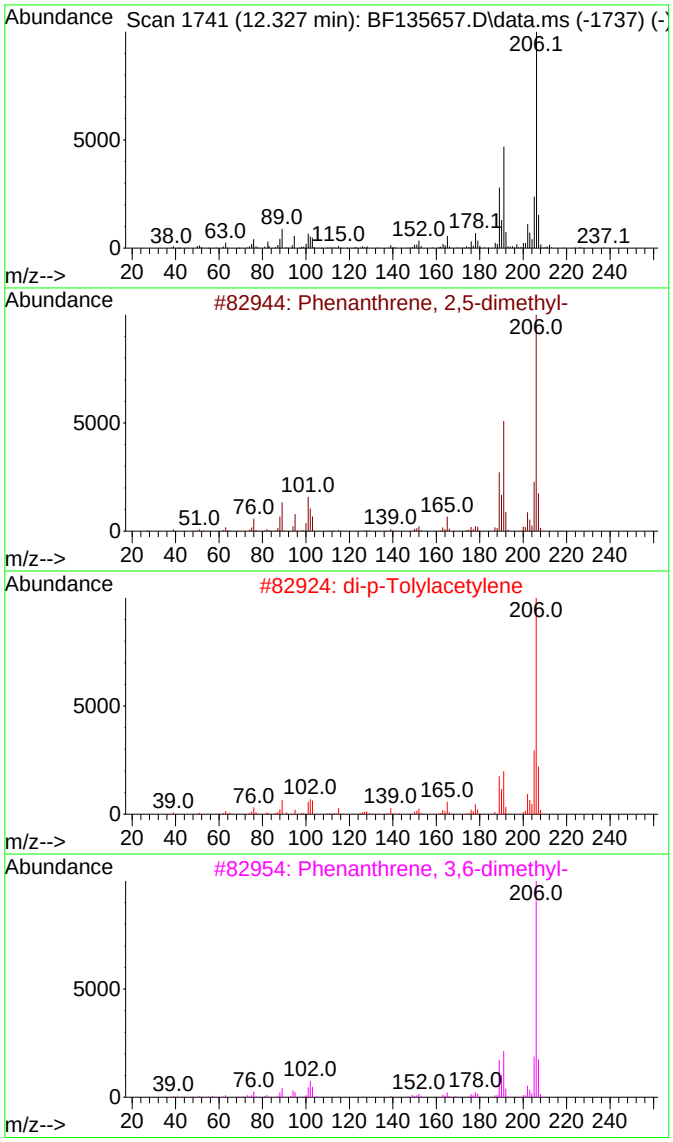
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

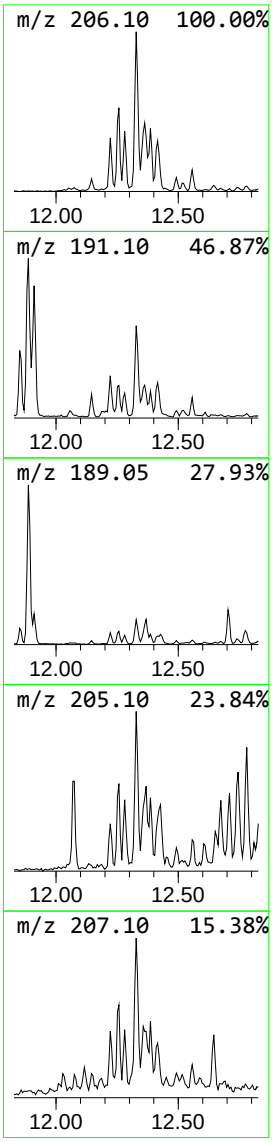
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	8.22 ng	340491	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

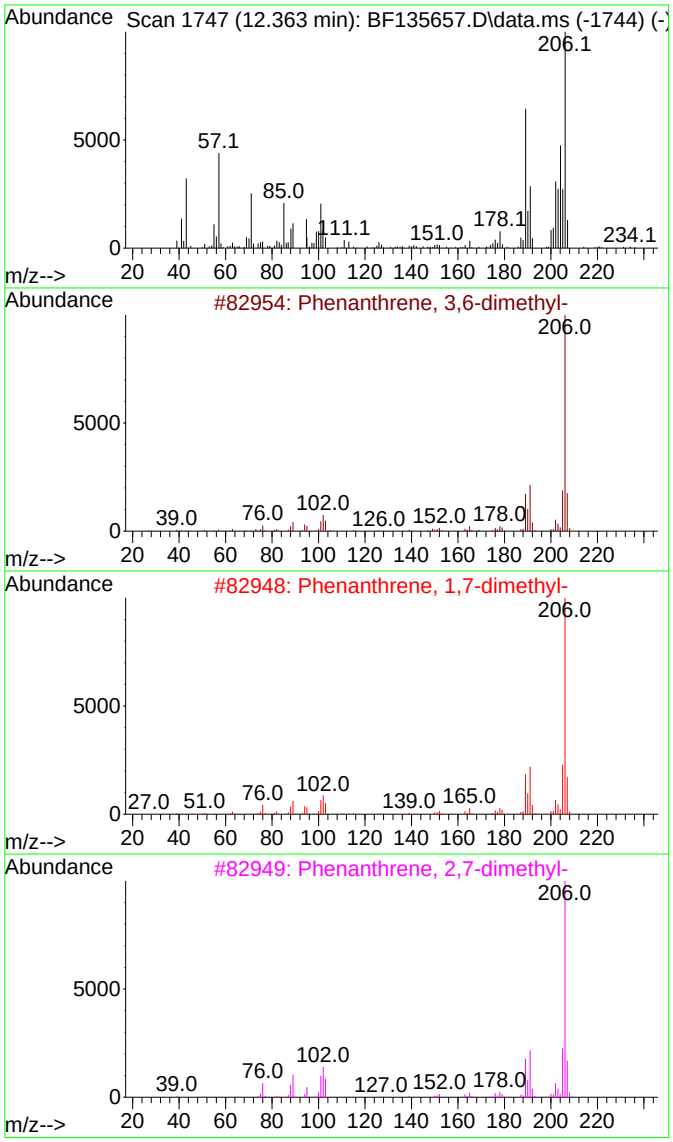
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

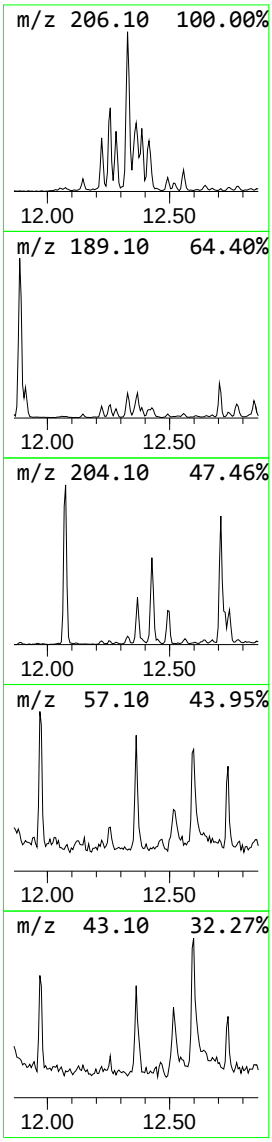
****

Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	9.50 ng	393084	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	41
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

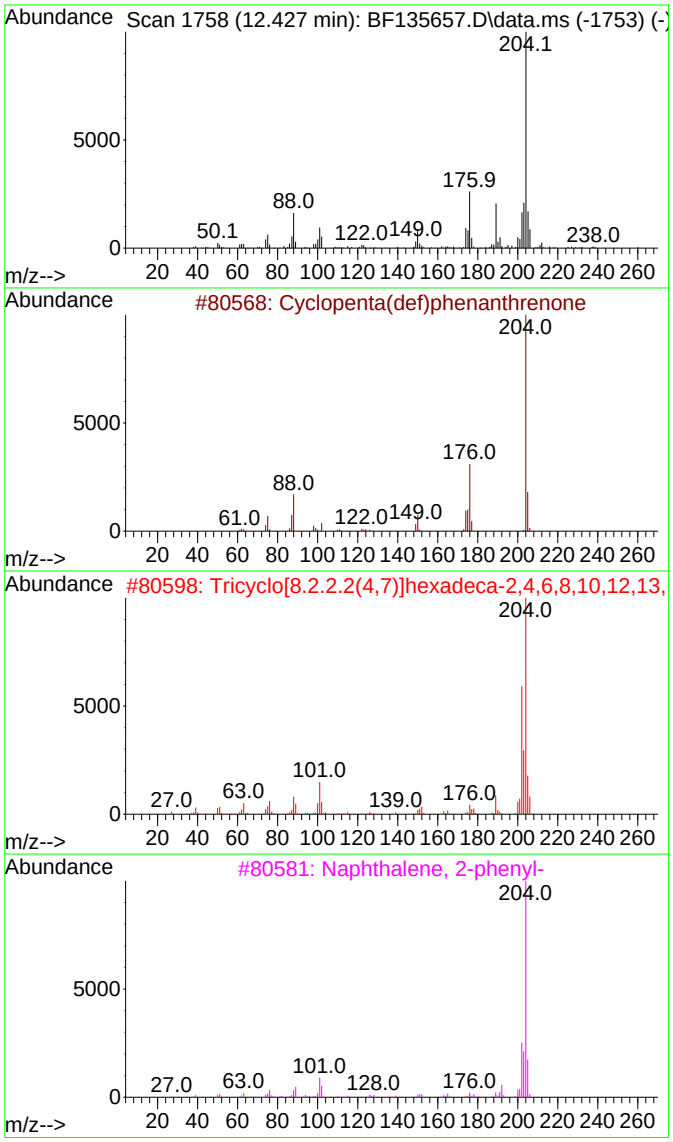
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

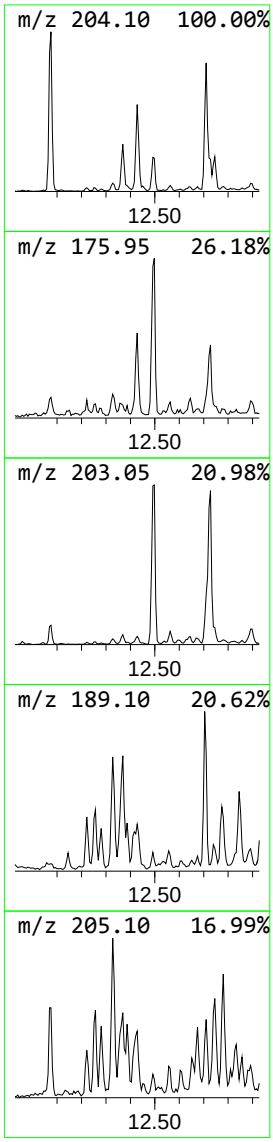
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	5.00 ng	207151	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

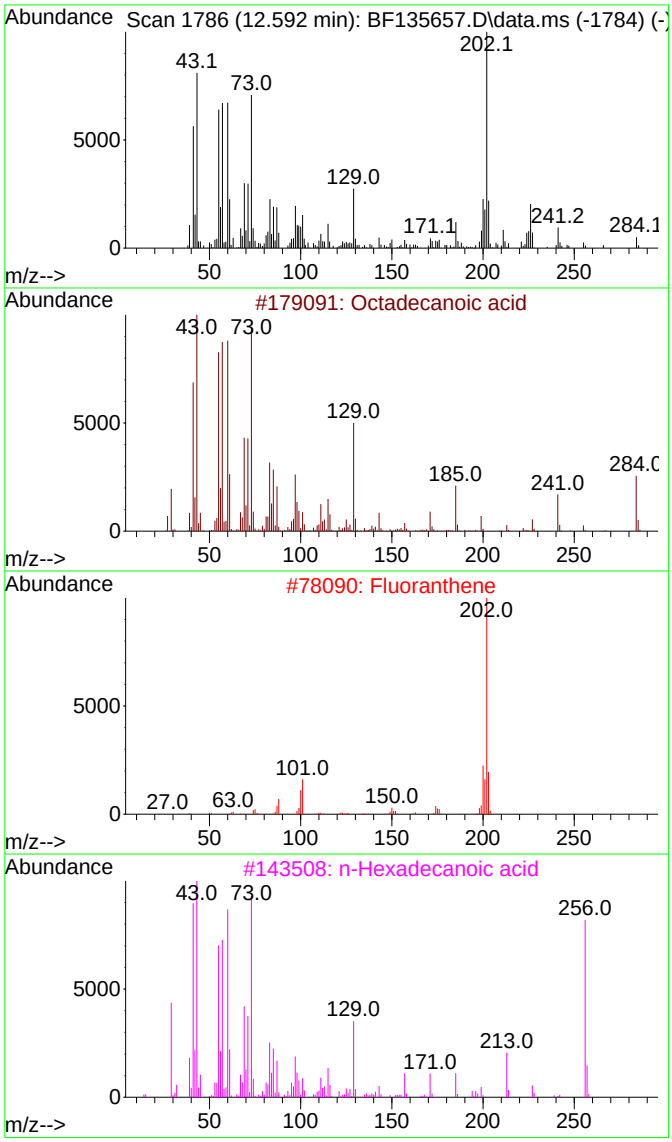
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

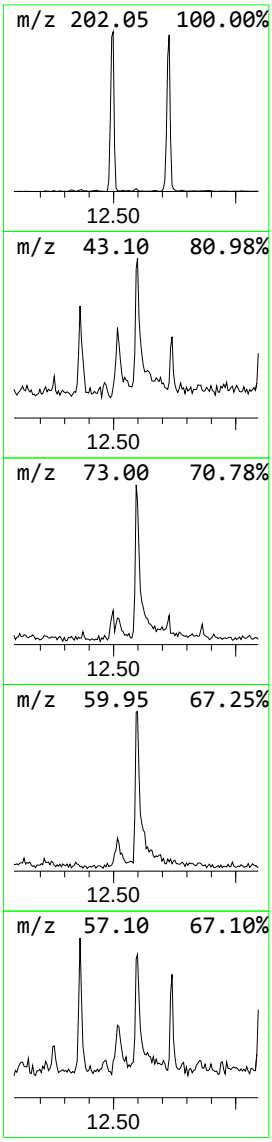
****

Peak Number 17 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	4.96 ng	205448	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	94
2	Fluoranthene	202	C16H10	000206-44-0	70
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
5	Dodecanoic acid	200	C12H24O2	000143-07-7	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

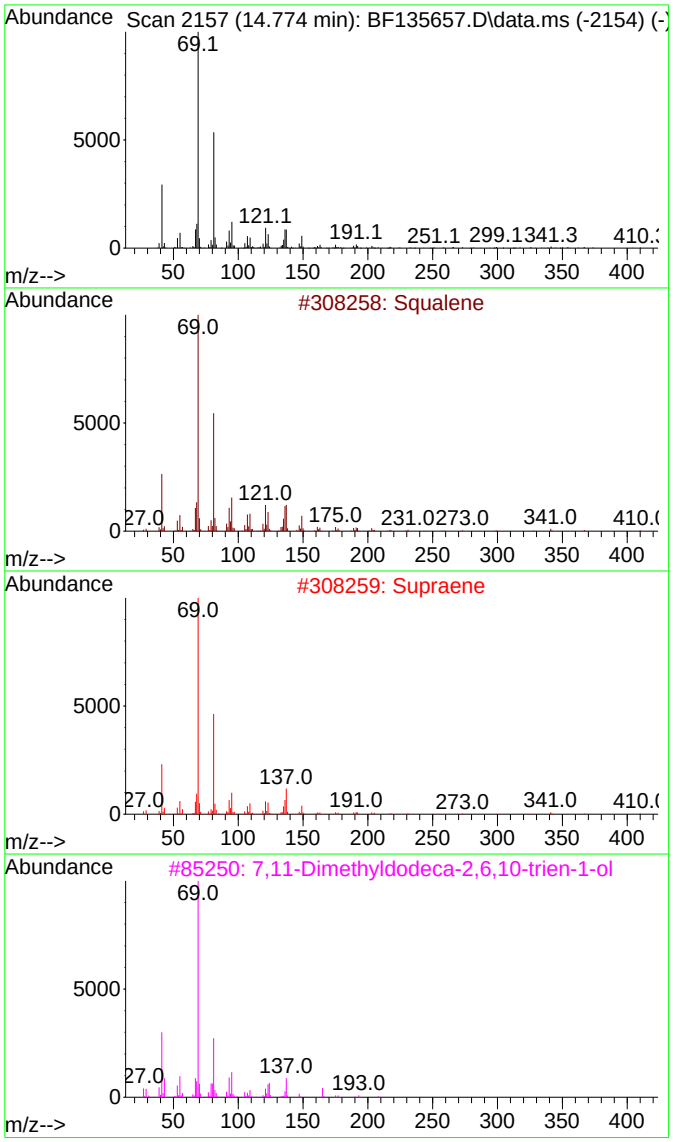
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

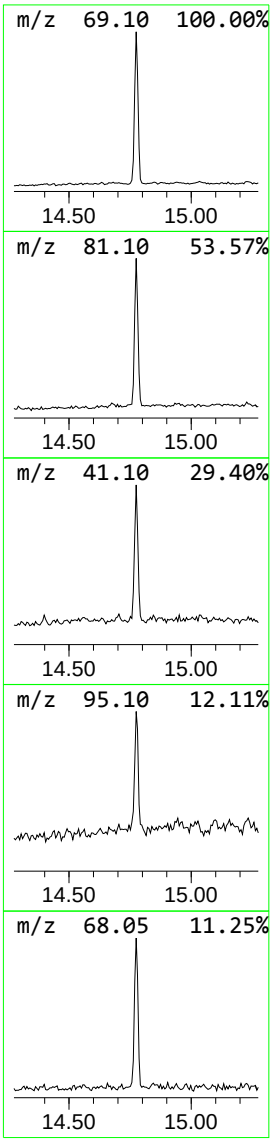
****

Peak Number 18 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.774	12.78 ng	347051	Perylene-d12	15.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	94
2	Supraene	410	C30H50	007683-64-9	90
3	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	81
4	6,11-Dimethyl-2,6,10-dodecatrien...	208	C14H24O	1000196-53-3	64
5	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

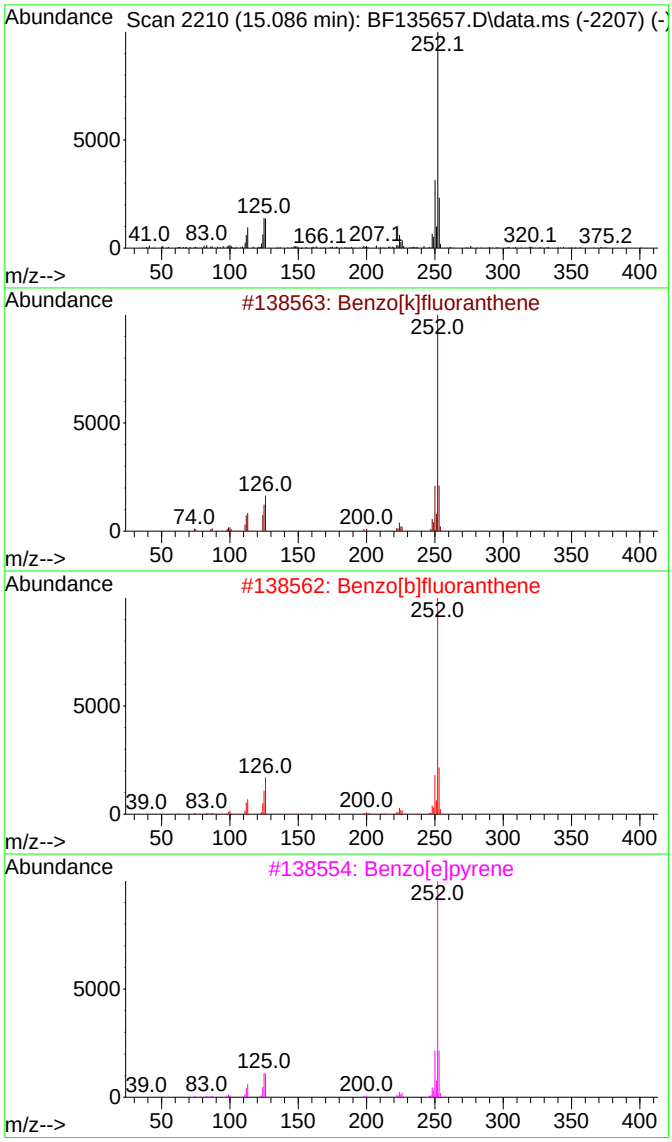
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

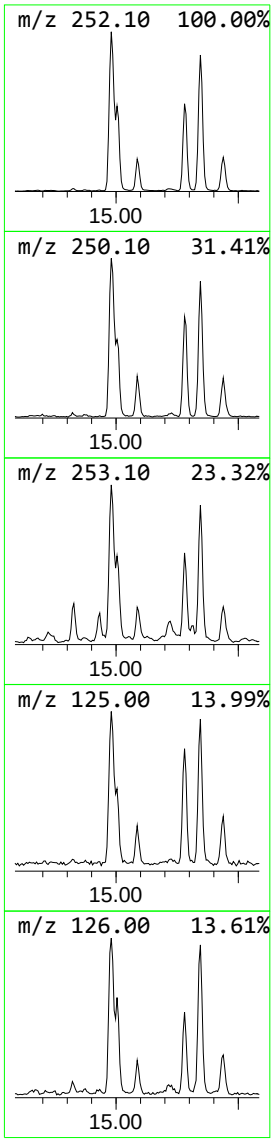
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	6.17 ng	167498	Perylene-d12	15.404

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

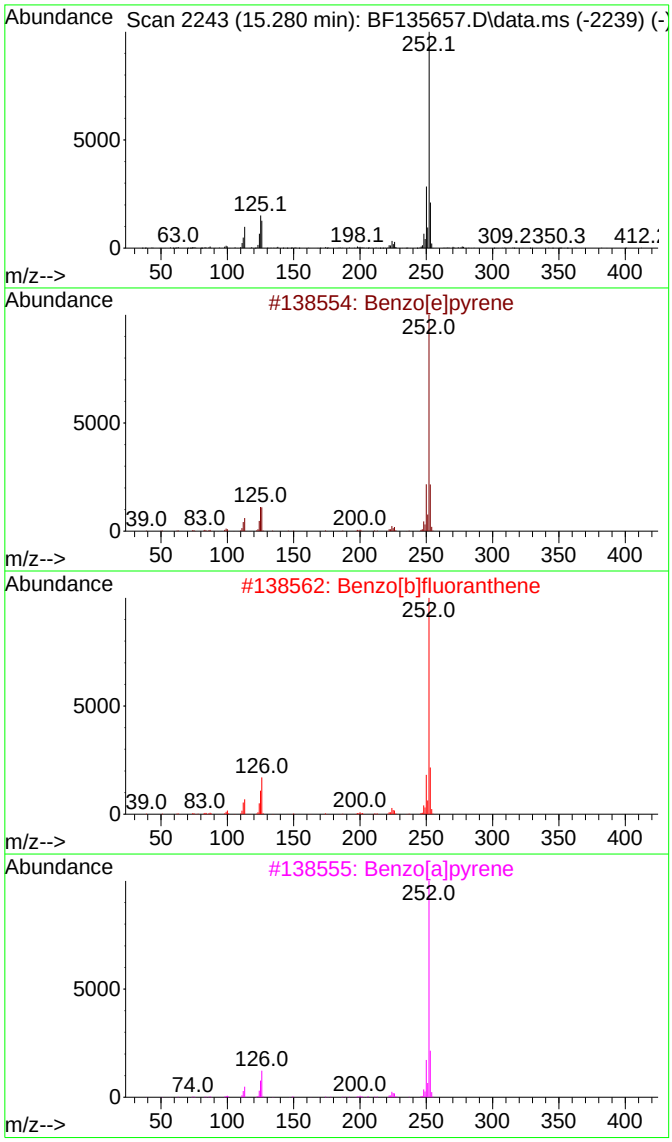
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

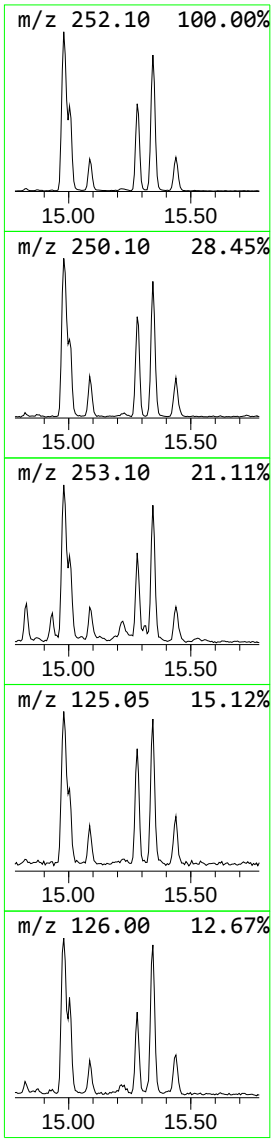
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	17.37 ng	471656	Perylene-d12	15.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135657.D
Acq On : 09 Oct 2023 18:36
Operator : CG\JU
Sample : 04787-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.963	9.2	ng	338562	1	6.740	734672	20.0
Naphthalene, 1,...	9.363	6.1	ng	309108	3	9.775	1006930	20.0
Naphthalene, 2,...	9.434	7.7	ng	385141	3	9.775	1006930	20.0
Naphthalene, 2,...	9.463	4.9	ng	244619	3	9.775	1006930	20.0
Tetradecane	10.681	5.8	ng	241749	4	11.269	827945	20.0
9H-Fluorene, 1-...	10.881	4.8	ng	200466	4	11.269	827945	20.0
Dibenzothiophene	11.169	7.4	ng	305110	4	11.269	827945	20.0
Phenanthrene, 2...	11.775	11.0	ng	454337	4	11.269	827945	20.0
Anthracene, 2-m...	11.804	25.5	ng	1055580	4	11.269	827945	20.0
Anthracene, 1-m...	11.851	5.2	ng	213476	4	11.269	827945	20.0
4H-Cyclopenta[d...	11.886	18.3	ng	757701	4	11.269	827945	20.0
1H-Cyclopropa[l...	11.910	6.6	ng	274413	4	11.269	827945	20.0
Naphthalene, 2-...	12.069	5.4	ng	223512	4	11.269	827945	20.0
Phenanthrene, 2...	12.328	8.2	ng	340491	4	11.269	827945	20.0
Phenanthrene, 3...	12.363	9.5	ng	393084	4	11.269	827945	20.0
Cyclopenta(def)...	12.428	5.0	ng	207151	4	11.269	827945	20.0
Octadecanoic acid	12.592	5.0	ng	205448	4	11.269	827945	20.0
Squalene	14.774	12.8	ng	347051	6	15.404	543180	20.0
Benzo[e]pyrene	15.086	6.2	ng	167498	6	15.404	543180	20.0
Benzo[j]fluoran...	15.280	17.4	ng	471656	6	15.404	543180	20.0