LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

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-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131113.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	7	14	19	rBV	344778	433532	10.70%	0.830%
2	5.104	509	513	525	rVB	302273	320279	7.90%	0.613%
3	5.504	578	581	585	rBV	1074388	1010964	24.94%	1.936%
4	6.516	749	753	756	rBV	1200194	991934	24.47%	1.900%
5	6.892	813	817	820	rBV	754134	596964	14.73%	1.143%
6	7.457	908	913	916	rBV	675320	631361	15.58%	1.209%
7	8.175	1031	1035	1037	rBV	779111	740156	18.26%	1.418%
8	8.198	1037	1039	1042	rVB	976445	712007	17.57%	1.364%
9	8.886	1153	1156	1160	rBV	566347	509820	12.58%	0.977%
10	8.986	1169	1173	1177	rVB	402188	351611	8.67%	0.673%
11	9.251	1210	1218	1221	rBV	1368327	1077568	26.59%	2.064%
12	9.351	1232	1235	1240	rVB	121474	101301	2.50%	0.194%
13	9.516	1258	1263	1267	rBV2	198801	278676	6.88%	0.534%
14	9.592	1271	1276	1278	rBV	280859	285784	7.05%	0.547%
15	9.616	1278	1280	1284	rVB	210154	157065	3.88%	0.301%
16	9.710	1291	1296	1297	rBV	128126	117515	2.90%	0.225%
17	9.792	1307	1310	1314	rVB2	196410	172366	4.25%	0.330%
18	9.910	1328	1330	1332	rBV	85951	94386	2.33%	0.181%
19	9.933	1332	1334	1337	rVV	862689	675846	16.67%	1.295%
20	9.969	1337	1340	1343	rVV	844480	666605	16.45%	1.277%
21	10.139	1365	1369	1373	rVV	772054	663903	16.38%	1.272%
22	10.245	1384	1387	1390	rBV	92866	102208	2.52%	0.196%
23	10.486	1424	1428	1431	rBV	1228732	1016241	25.07%	1.947%
24	10.569	1440	1442	1445	rVB3	135151	106837	2.64%	0.205%
25	10.639	1452	1454	1458	rVB	267909	201670	4.98%	0.386%
26	10.722	1465	1468	1472	rVV	814673	805528	19.87%	1.543%
27	10.833	1483	1487	1495	rVB4	98697	176379	4.35%	0.338%
28	11.033	1514	1521	1523	rBV2	229210	269650	6.65%	0.516%
29	11.057	1523	1525	1528	rVV2	106321	106188	2.62%	0.203%
30	11.116	1532	1535	1537	rVV	104814	92305	2.28%	0.177%
31	11.157	1537	1542	1544	rVV3	118044	145227	3.58%	0.278%
32	11.180	1544	1546	1551	rVV3	118080	144846	3.57%	0.277%
33	11.233	1551	1555	1558	rVV	189499	191719	4.73%	0.367%
34	11.275	1558	1562	1565	rVV2	146355	186323	4.60%	0.357%
35	11.322	1565	1570	1575	rVB	349051	358030	8.83%	0.686%
36	11.427	1585	1588	1590	rBV	616124	665613	16.42%	1.275%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

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-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.463	1590	1594	1596	rVV	4108212	3975882	98.09%	7.615%
38	11.510	1596	1602	1604	rVV	1302990	1258728	31.05%	2.411%
39	11.657	1622	1627	1633	rVV2	465005	539878	13.32%	1.034%
40	11.722	1633	1638	1642	rVV4	135923	187207	4.62%	0.359%
41	11.757	1642	1644	1649	rVV3	144587	155808	3.84%	0.298%
42	11.810	1649	1653	1656	rVV3	137868	141558	3.49%	0.271%
43	11.927	1668	1673	1676	rBV	541800	566559	13.98%	1.085%
44	11.957	1676	1678	1682	rVB	800161	676494	16.69%	1.296%
45	12.004	1682	1686	1689	rBV	343804	312599	7.71%	0.599%
46	12.045	1689	1693	1695	rVV2	928570	959866	23.68%	1.839%
47	12.063	1695	1696	1700	rVB	364454	266828	6.58%	0.511%
48	12.110	1701	1704	1706	rBV3	105341	113368	2.80%	0.217%
49	12.227	1721	1724	1726	rVV	401934	339362	8.37%	0.650%
50	12.251	1726	1728	1731	rVB	161528	145405	3.59%	0.279%
51	12.374	1744	1749	1751	rBV3	108642	119819	2.96%	0.230%
52	12.404	1751	1754	1756	rVV	134103	99893	2.46%	0.191%
53	12.427	1756	1758	1761	rVB	104136	90052	2.22%	0.172%
54	12.480	1763	1767	1769	rBV	256162	281784	6.95%	0.540%
55	12.504	1769	1771	1772	rVV2	192004	181215	4.47%	0.347%
56	12.522	1772	1774	1779	rVB3	327004	350903	8.66%	0.672%
57	12.569	1779	1782	1786	rBV2	167822	216199	5.33%	0.414%
58	12.657	1791	1797	1800	rBV	3588965	3741847	92.32%	7.167%
59	12.710	1804	1806	1809	rVB2	117377	93803	2.31%	0.180%
60	12.798	1814	1821	1824	rBV3	173494	277428	6.84%	0.531%
61	12.886	1829	1836	1840	rBV2	3121164	4053288	100.00%	7.764%
62	12.922	1840	1842	1847	rVB2	230991	249419	6.15%	0.478%
63	12.992	1851	1854	1855	rBV	264217	228968	5.65%	0.439%
64	13.016	1855	1858	1860	rVV	1036498	884900	21.83%	1.695%
65	13.033	1860	1861	1865	rVB	213173	157524	3.89%	0.302%
66	13.098	1866	1872	1875	rBV3	271262	494213	12.19%	0.947%
67	13.180	1882	1886	1887	rBV3	260058	278799	6.88%	0.534%
68	13.204	1887	1890	1893	rVB	689854	686564	16.94%	1.315%
69	13.233	1893	1895	1898	rBV	93206	111111	2.74%	0.213%
70	13.274	1898	1902	1904	rVV	612930	592608	14.62%	1.135%
71	13.310	1904	1908	1911	rVV2	440344	526412	12.99%	1.008%
72	13.363	1915	1917	1920	rVV	111170	106754	2.63%	0.204%
73	13.404	1921	1924	1926	rVV	208797	200892	4.96%	0.385%
74	13.433	1926	1929	1936	rVB2	243792	333196	8.22%	0.638%
75	13.580	1951	1954	1956	rBV3	111151	137554	3.39%	0.263%
76	13.686	1969	1972	1974	rBV2	121550	138465	3.42%	0.265%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

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-BF110922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.716	1974	1977	1981	rVB	229726	251749	6.21%	0.482%
78	13.827	1992	1996	1998	rBV2	257639	295172	7.28%	0.565%
79	13.851	1998	2000	2003	rVV	319266	315207	7.78%	0.604%
80	13.880	2003	2005	2009	rVV2	247673	347639	8.58%	0.666%
81	13.921	2010	2012	2016	rVB	196465	205648	5.07%	0.394%
82	14.074	2031	2038	2041	rBV2	1983185	2758290	68.05%	5.283%
83	14.110	2041	2044	2049	rVB	1599326	1508512	37.22%	2.889%
84	14.186	2054	2057	2060	rVV2	397362	367417	9.06%	0.704%
85	14.227	2061	2064	2066	rVV2	183956	206907	5.10%	0.396%
86	14.268	2069	2071	2073	rVB	115360	90169	2.22%	0.173%
87	14.463	2102	2104	2107	rVB	334521	302430	7.46%	0.579%
88	14.498	2108	2110	2113	rVB	171669	127697	3.15%	0.245%
89	14.533	2114	2116	2118	rBV2	112742	108523	2.68%	0.208%
90	14.592	2123	2126	2128	rVV	169188	188479	4.65%	0.361%
91	14.616	2128	2130	2133	rVB2	178634	152933	3.77%	0.293%
92	15.139	2214	2219	2222	rBV	858102	1433815	35.37%	2.746%
93	15.192	2226	2228	2234	rVB2	139199	173682	4.28%	0.333%
94	15.245	2234	2237	2241	rBV	232896	272398	6.72%	0.522%
95	15.451	2268	2272	2278	rVB	513267	677295	16.71%	1.297%
96	15.521	2279	2284	2289	rVB	866022	1091973	26.94%	2.092%
97	15.580	2290	2294	2297	rVV	361308	488872	12.06%	0.936%
98	15.610	2297	2299	2305	rVB2	235139	309055	7.62%	0.592%
99	17.098	2547	2552	2560	rVB2	313368	606835	14.97%	1.162%
100	17.562	2625	2631	2640	rVB	232954	495982	12.24%	0.950%

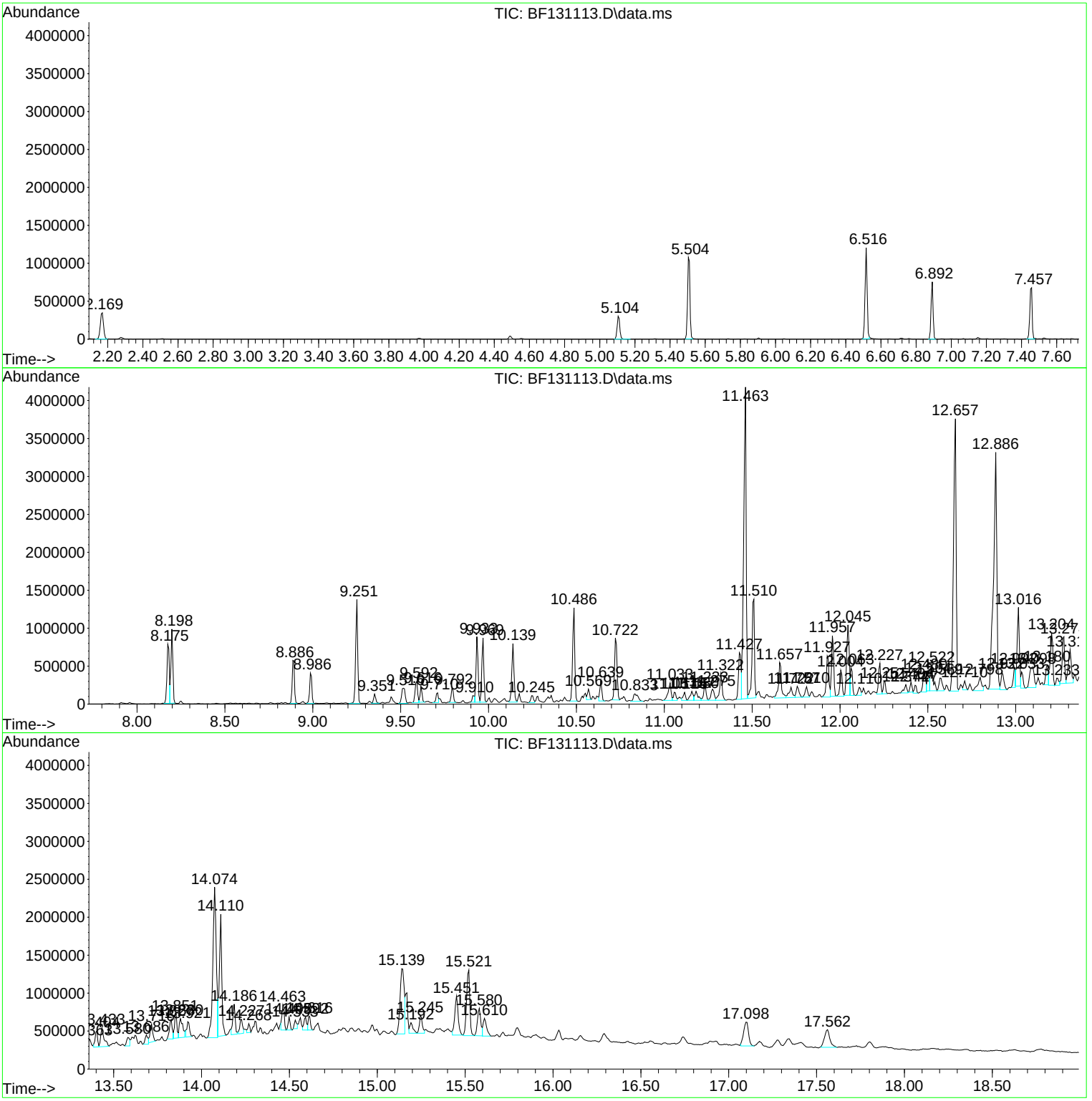
Sum of corrected areas: 52208238

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

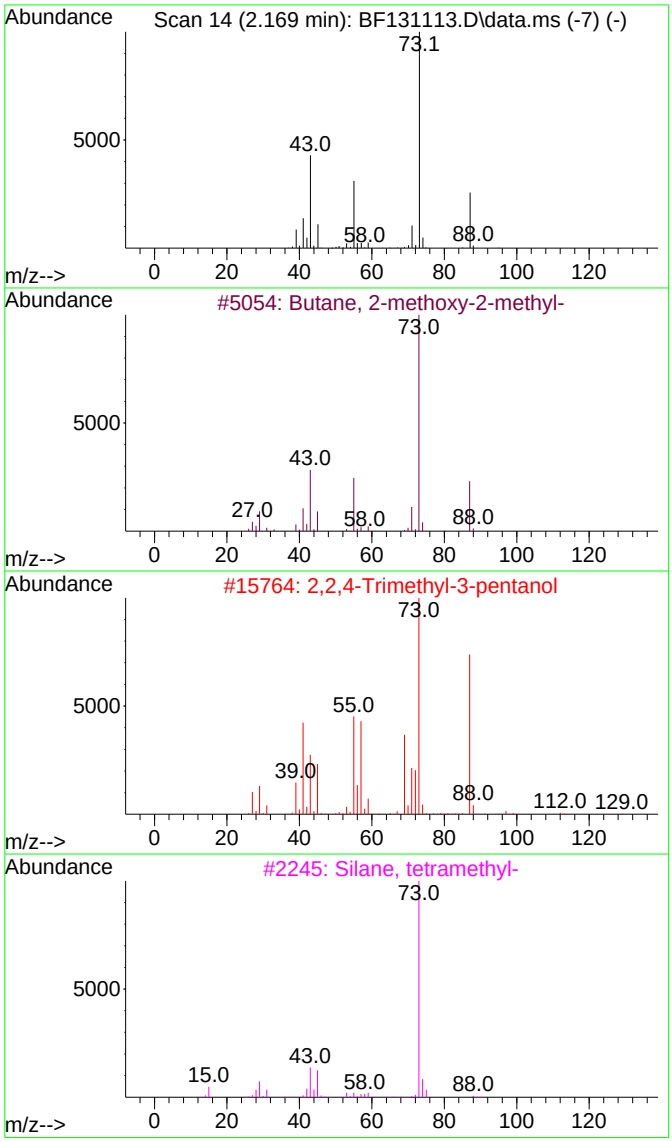
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

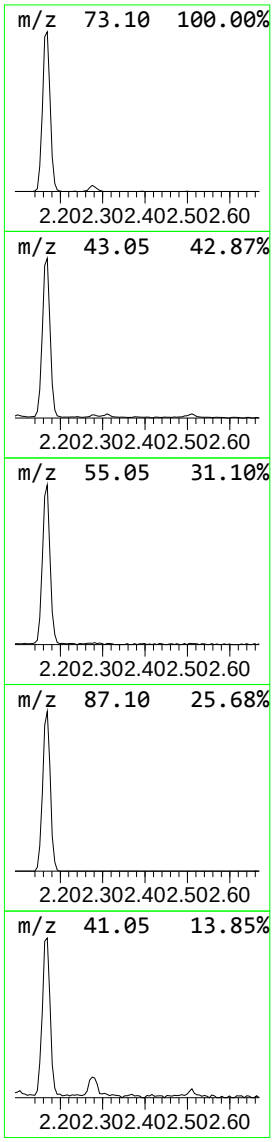
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	14.52 ng	433532	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

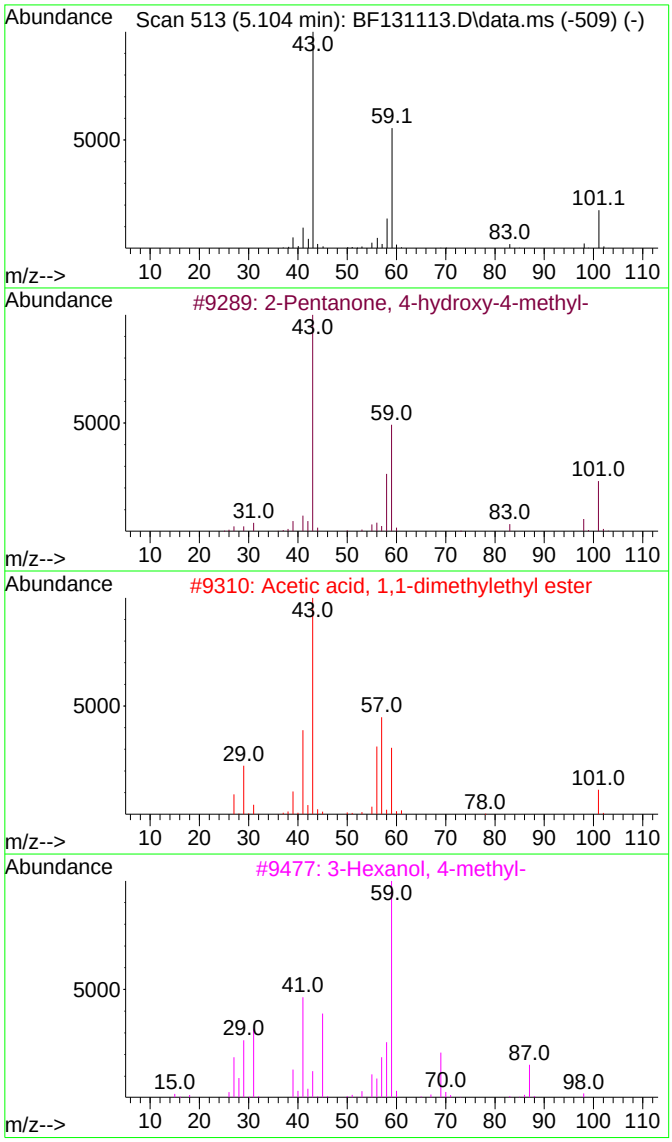
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

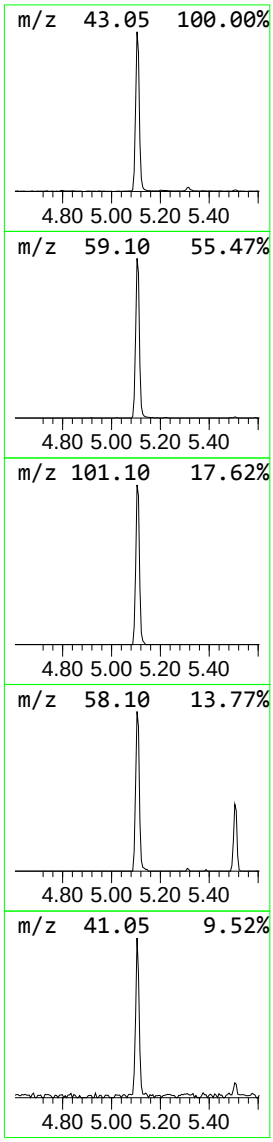
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	10.73 ng	320279	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

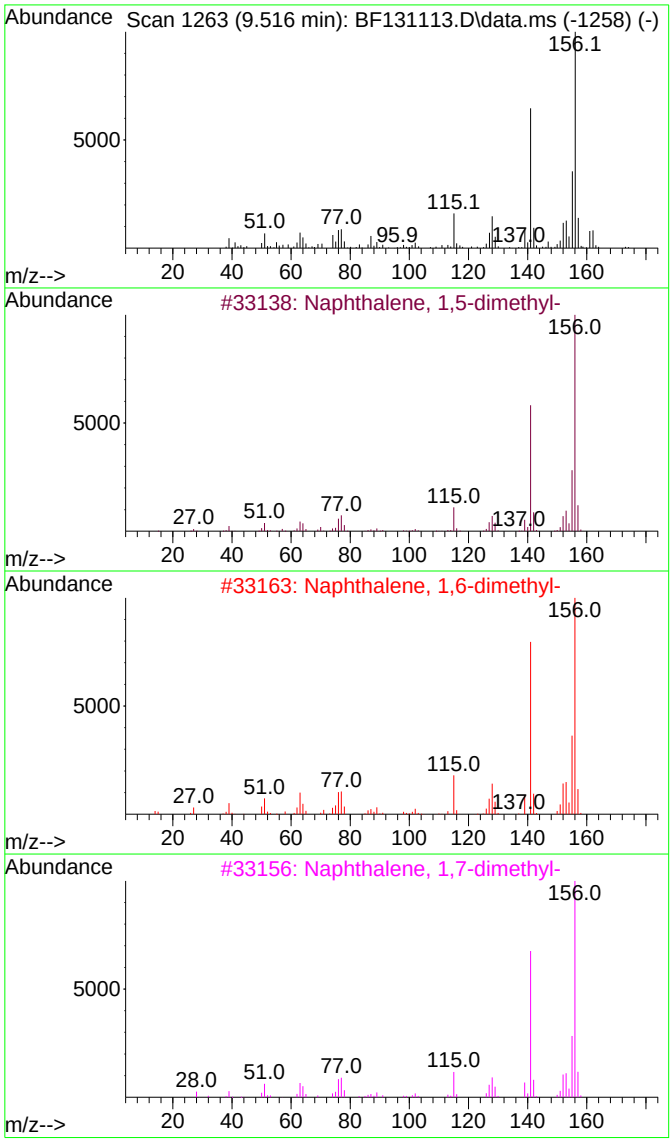
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

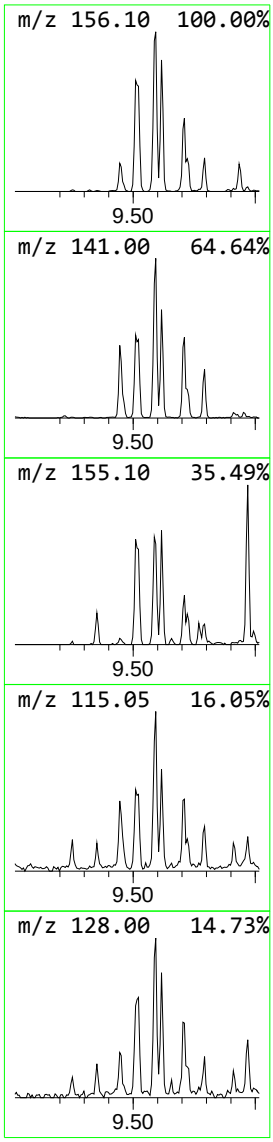
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	8.25 ng	278676	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

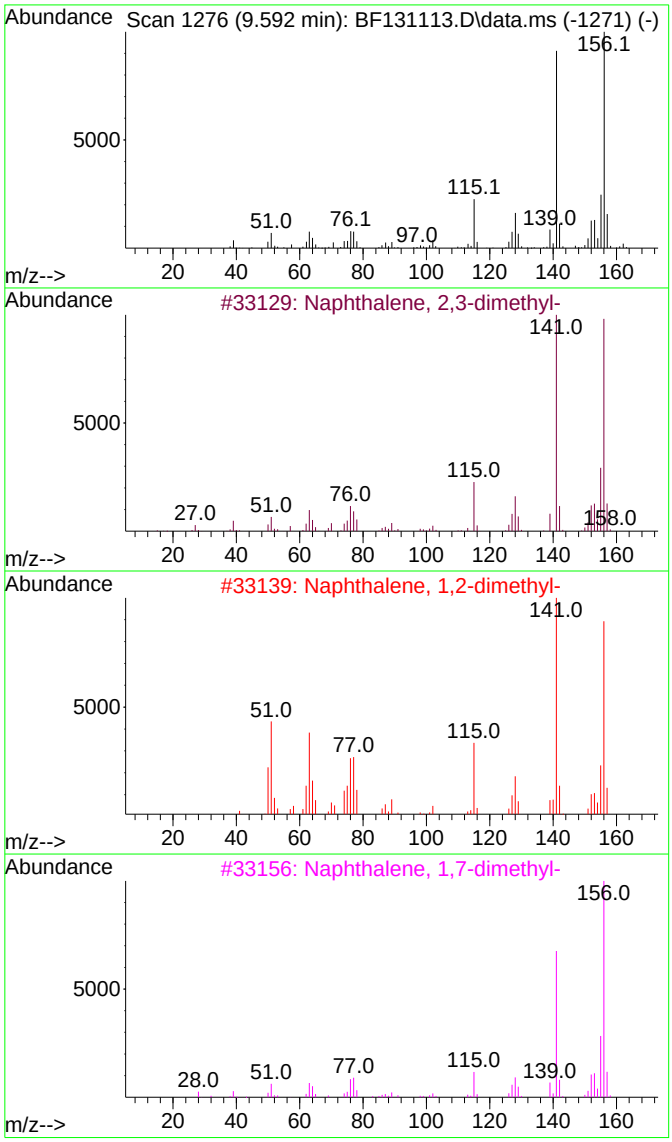
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

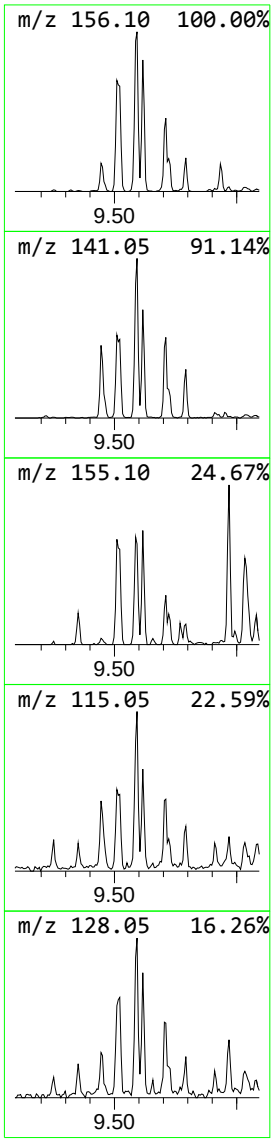
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.592	8.46 ng	285784	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

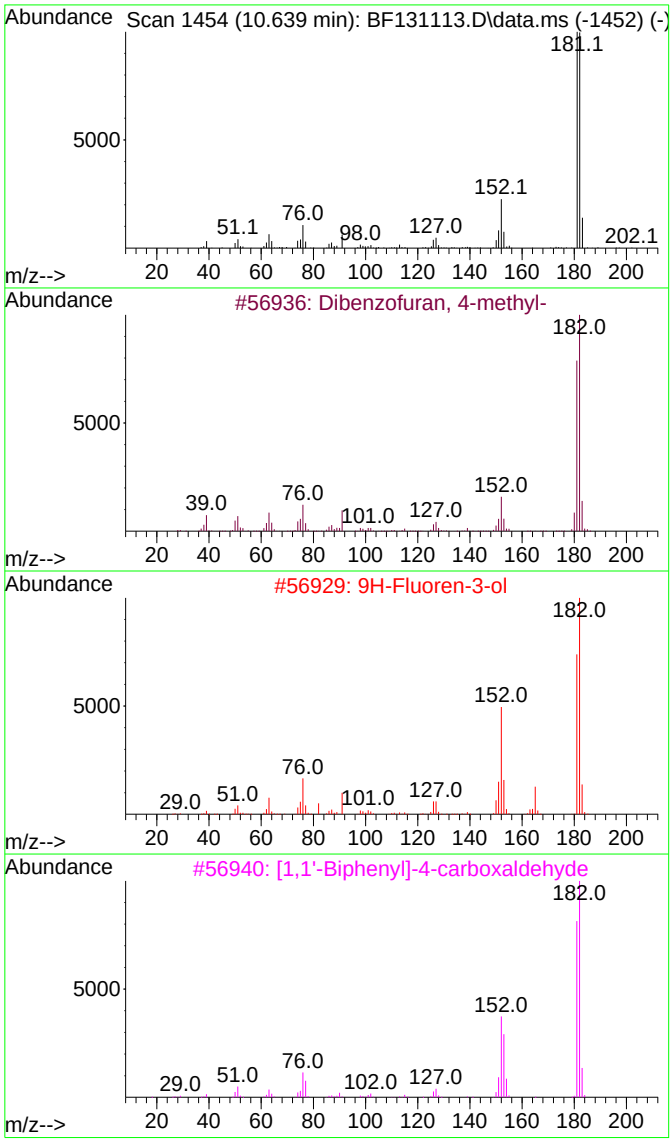
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

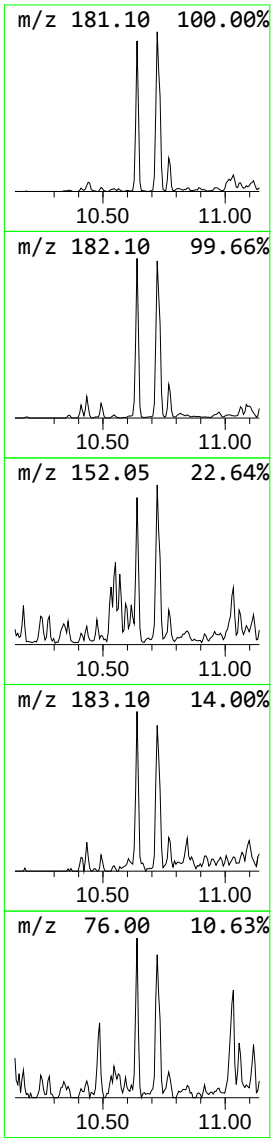
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	5.97 ng	201670	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

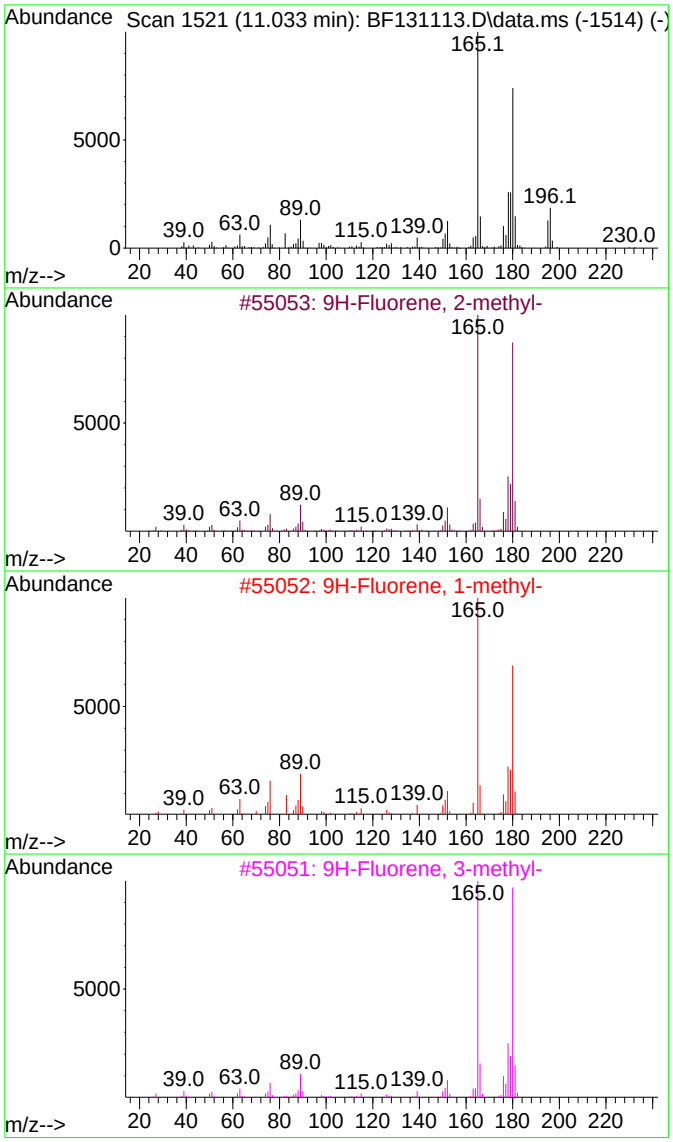
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

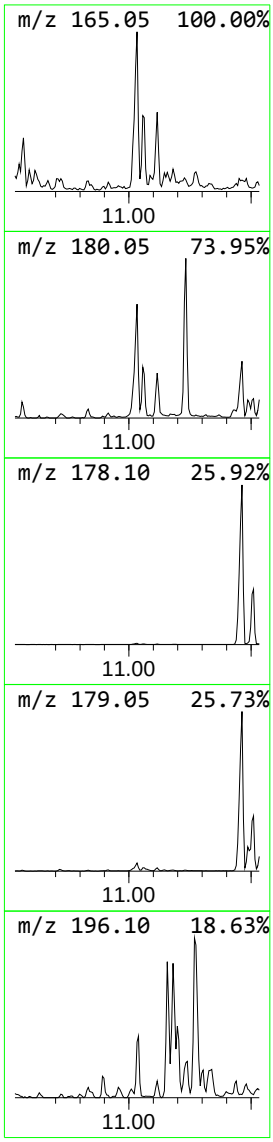
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.033	8.10 ng	269650	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

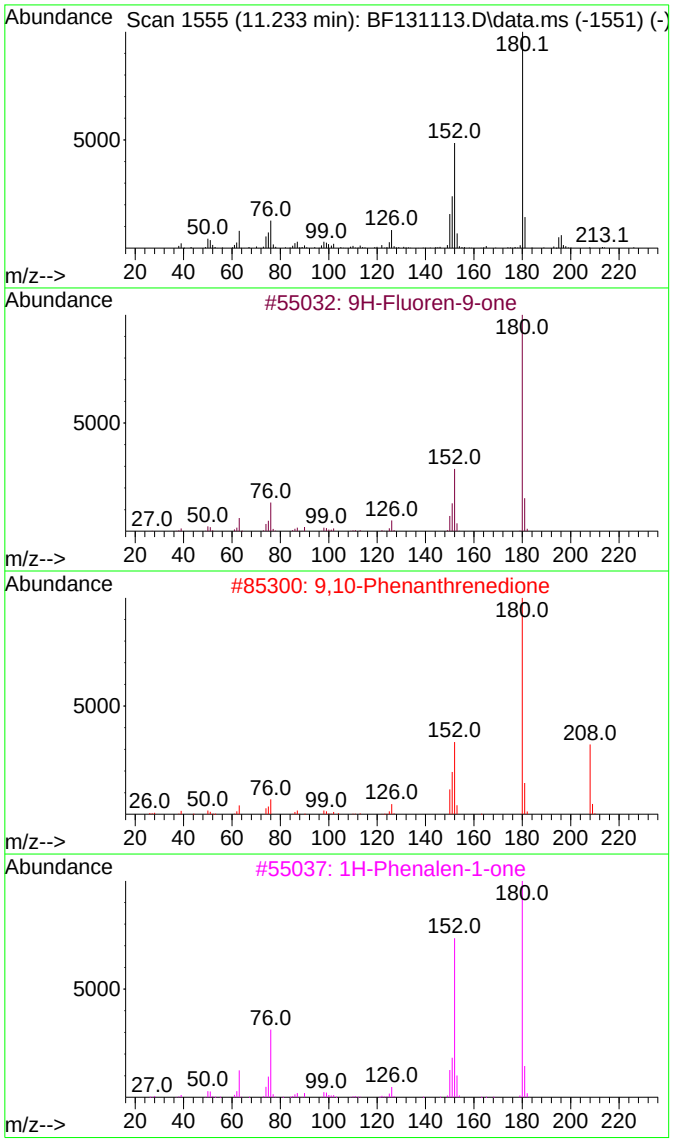
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

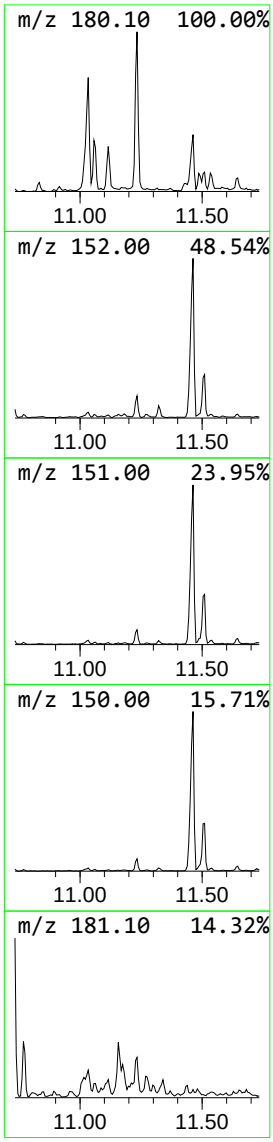
****

Peak Number 7 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	5.76 ng	191719	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	Diphenic anhydride	224	C14H8O3	006050-13-1	58
5	9-Fluorenone-1-carboxylic acid	224	C14H8O3	001573-92-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

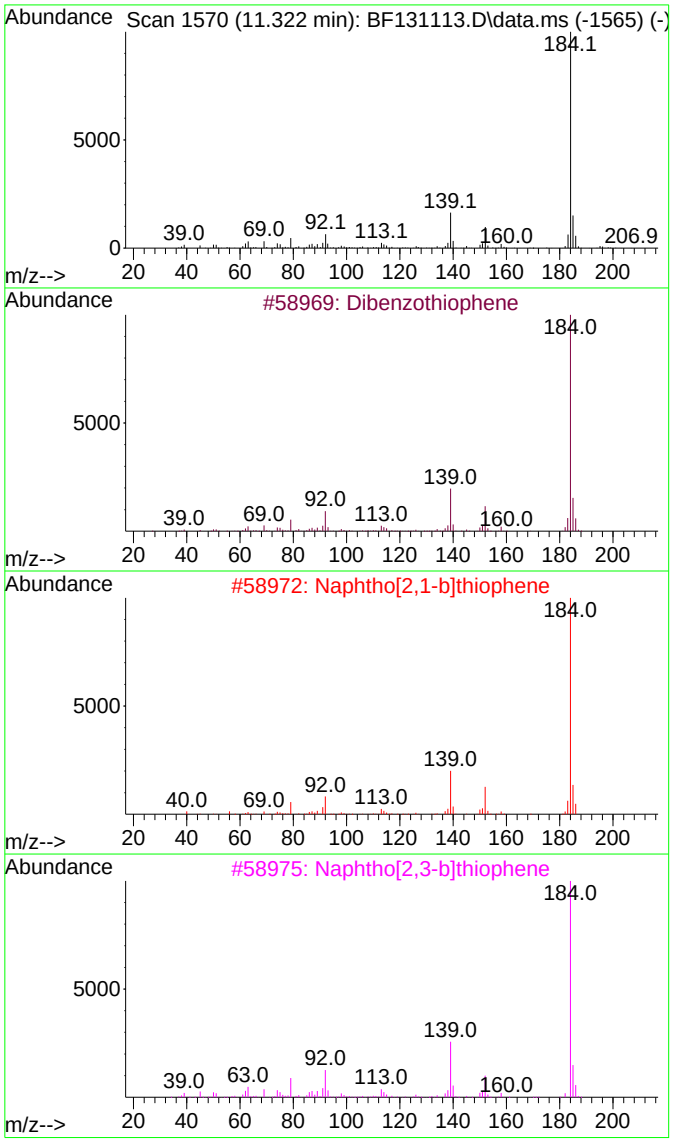
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

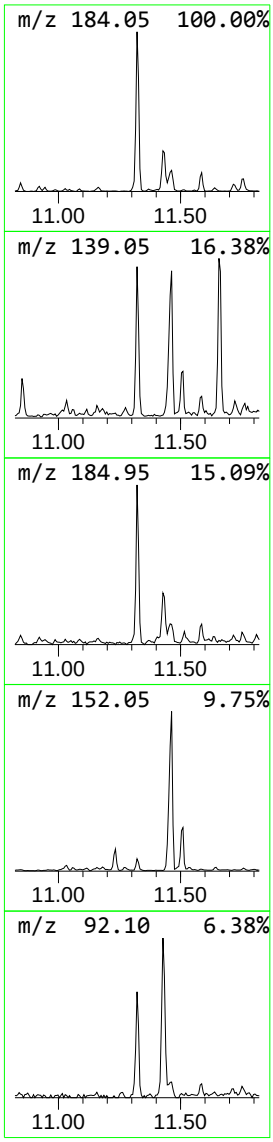
****

Peak Number 8 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	10.76 ng	358030	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

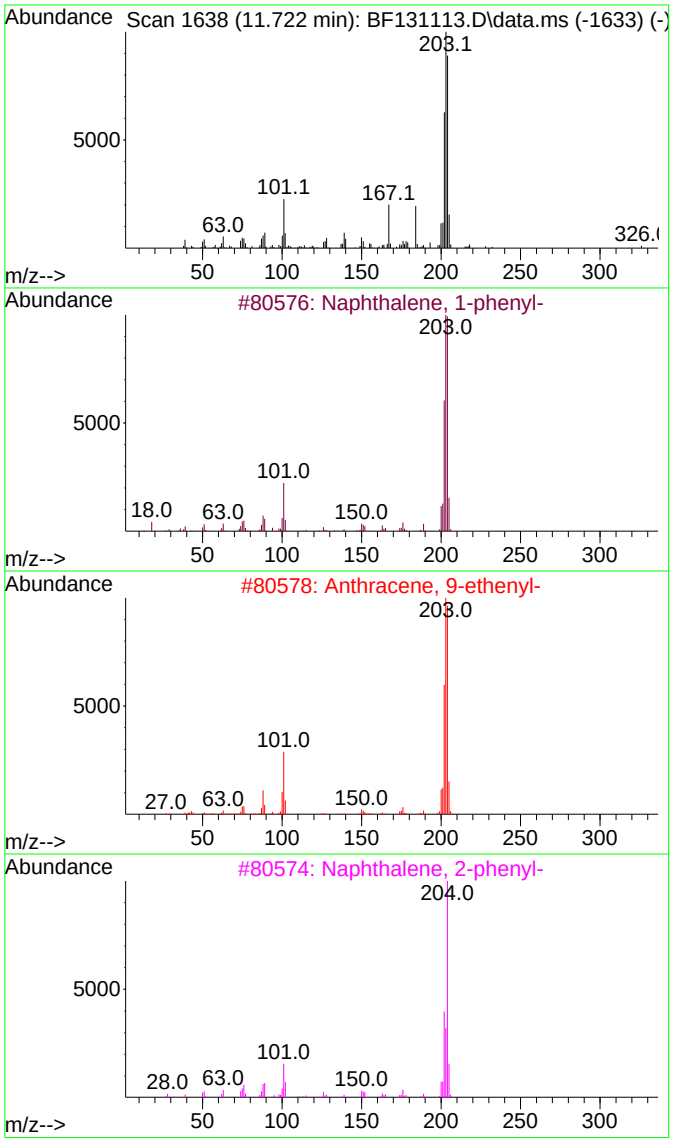
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

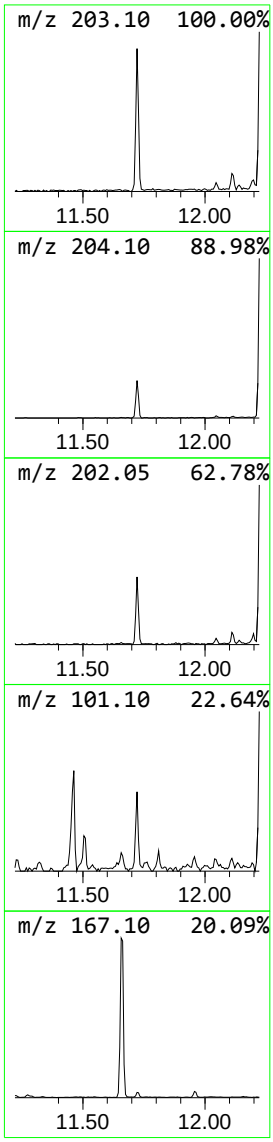
****

Peak Number 9 Naphthalene, 1-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.722	5.63 ng	187207	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	83
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

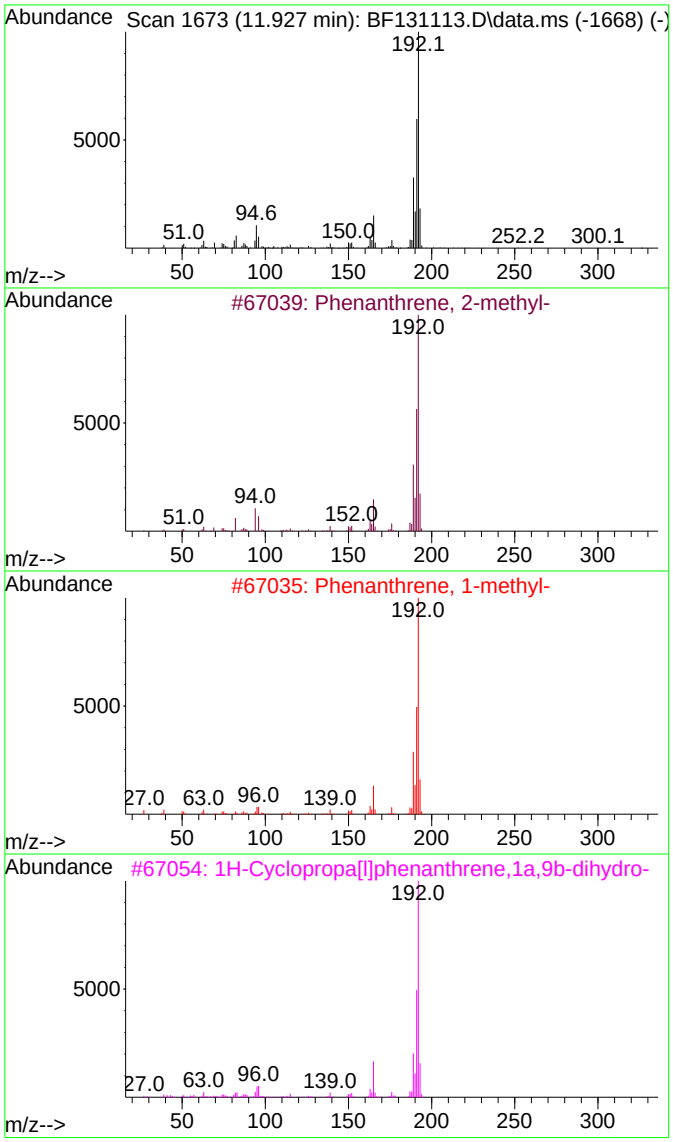
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

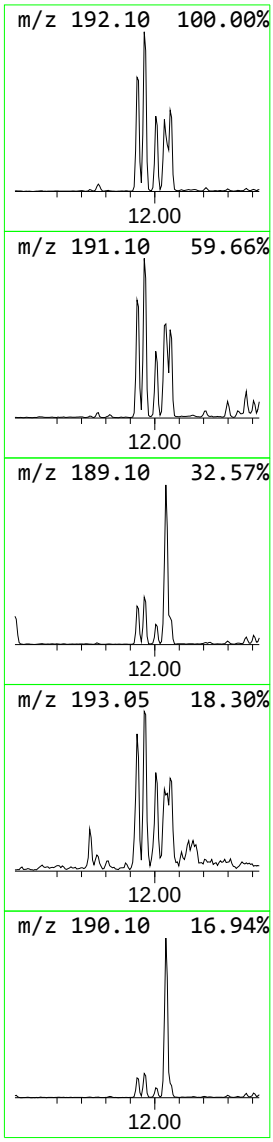
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	17.02 ng	566559	Phenanthrene-d10	11.428

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

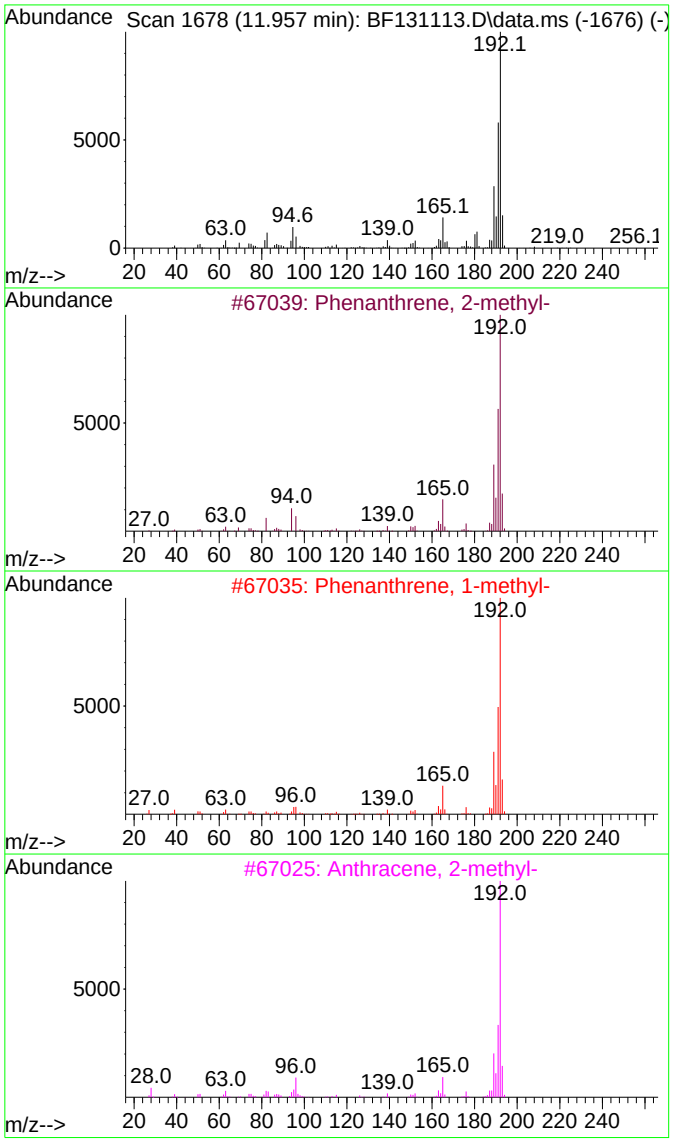
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

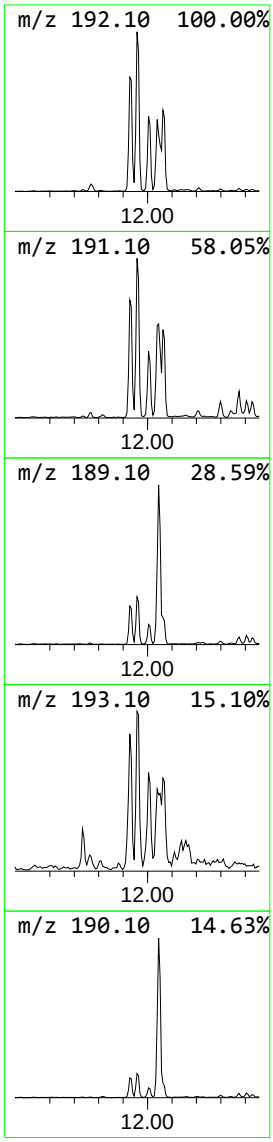
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	20.33 ng	676494	Phenanthrene-d10	11.428

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	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

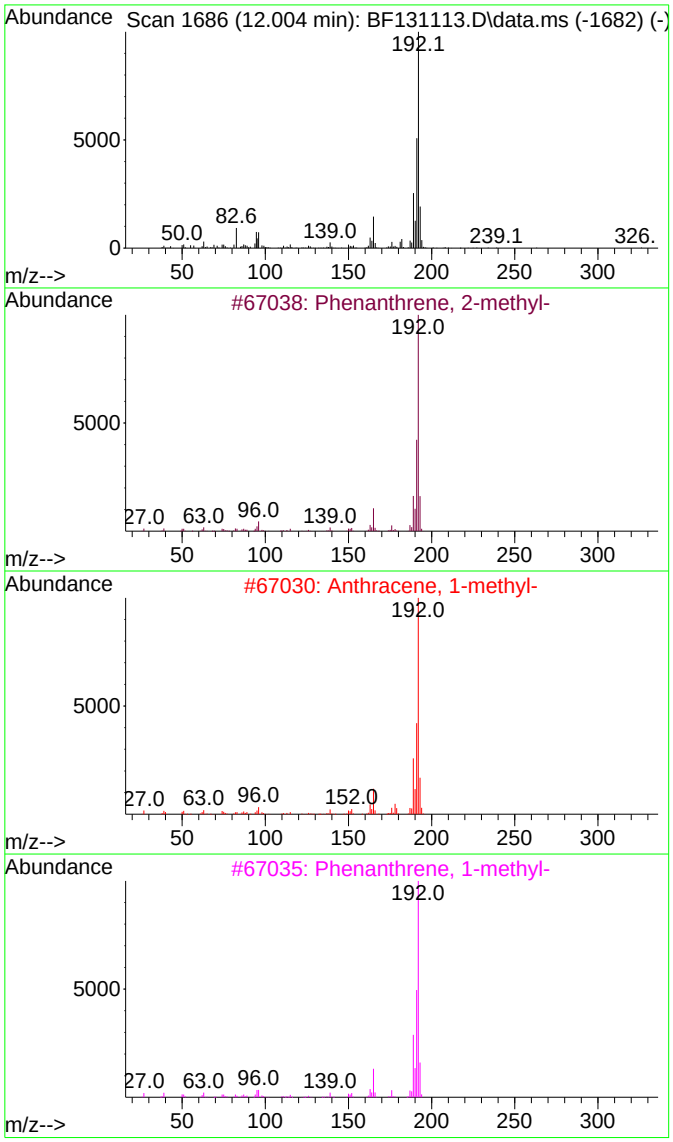
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

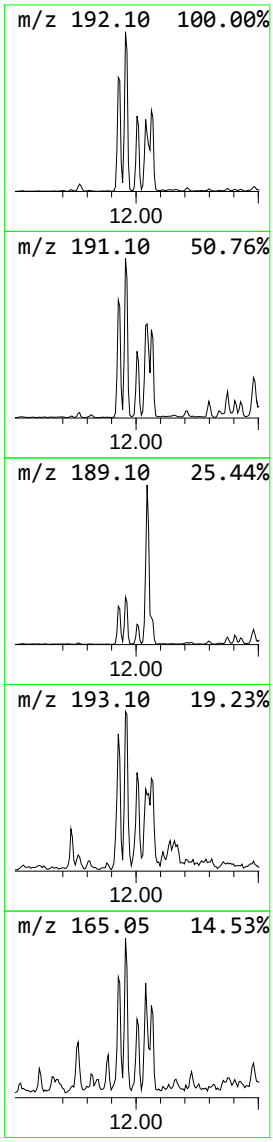
****

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	9.39 ng	312599	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

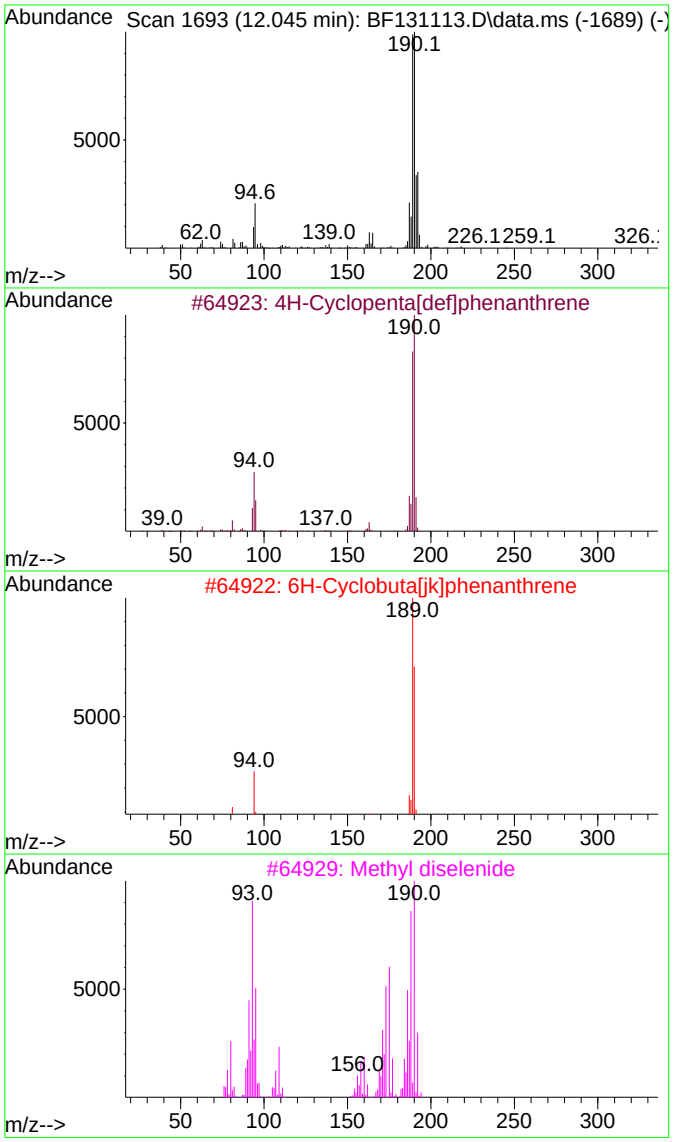
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

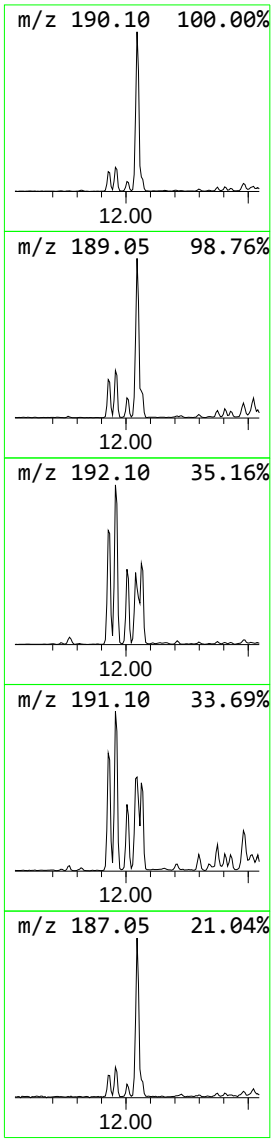
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	28.84 ng	959866	Phenanthrene-d10	11.428

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	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

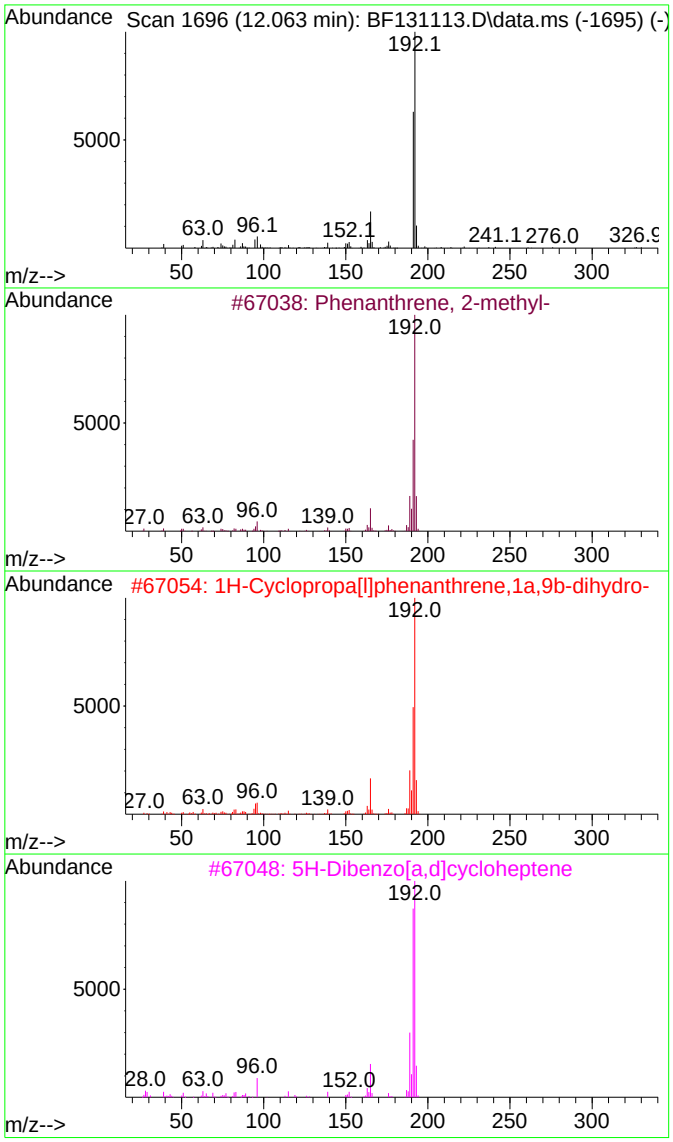
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

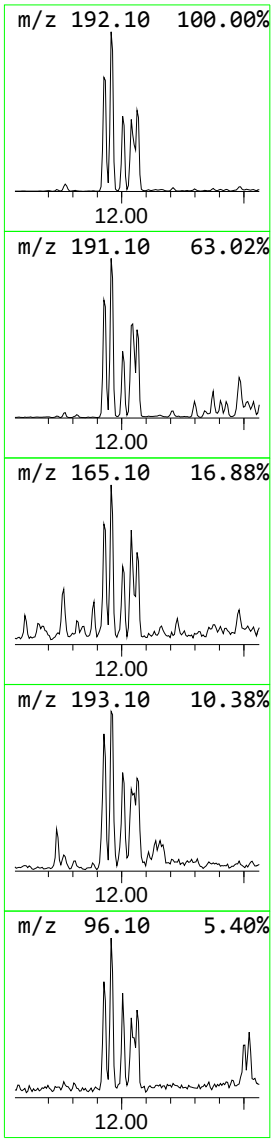
****

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	8.02 ng	266828	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

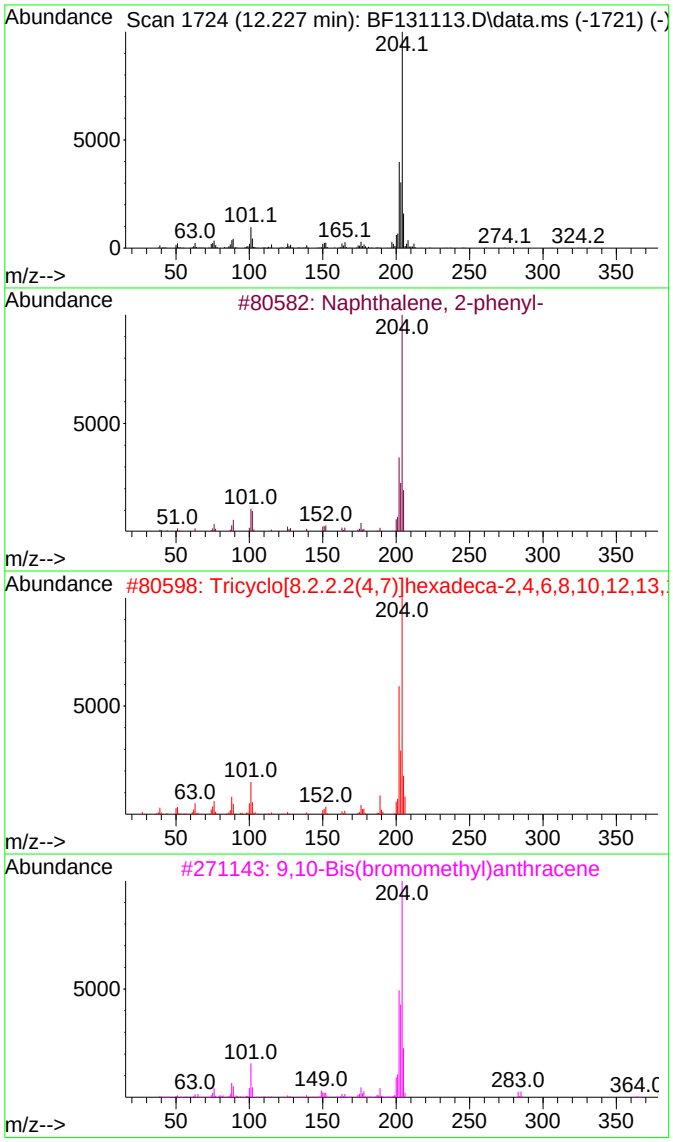
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

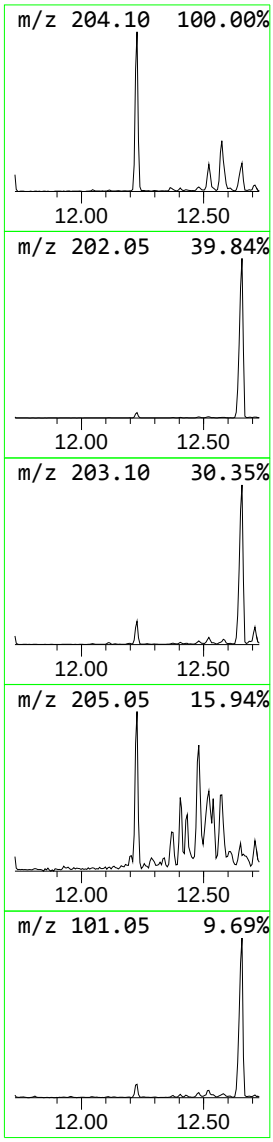
****

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	10.20 ng	339362	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

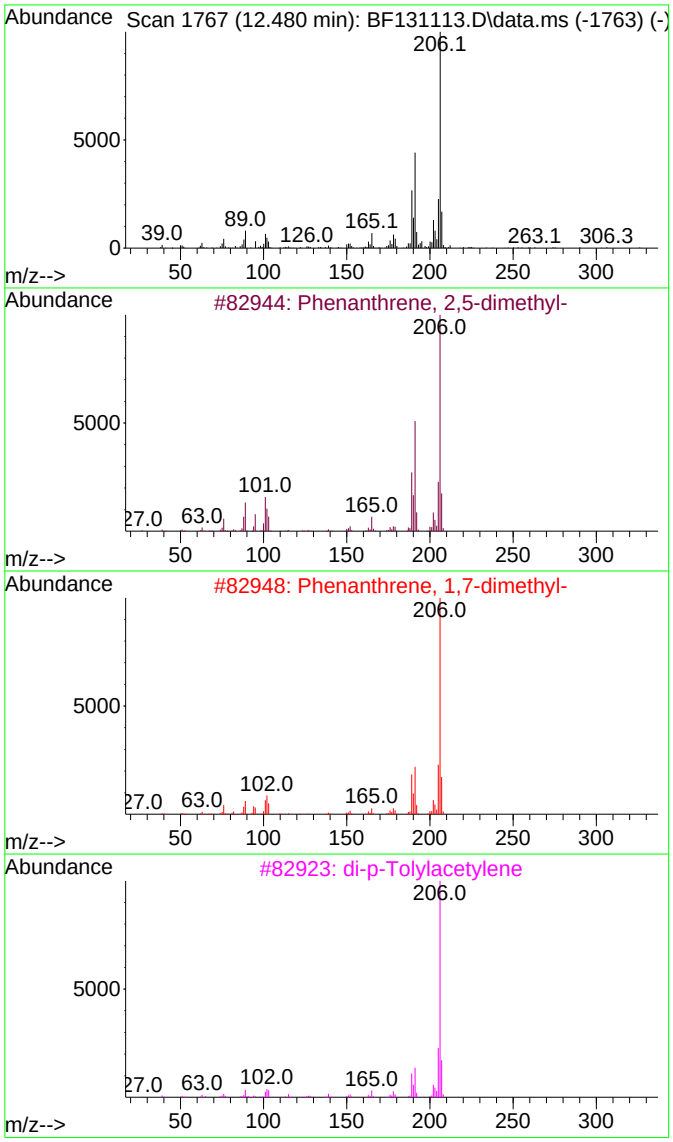
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

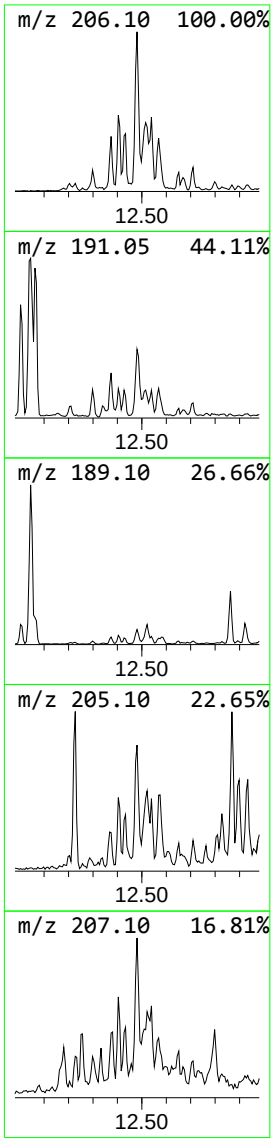
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	8.47 ng	281784	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

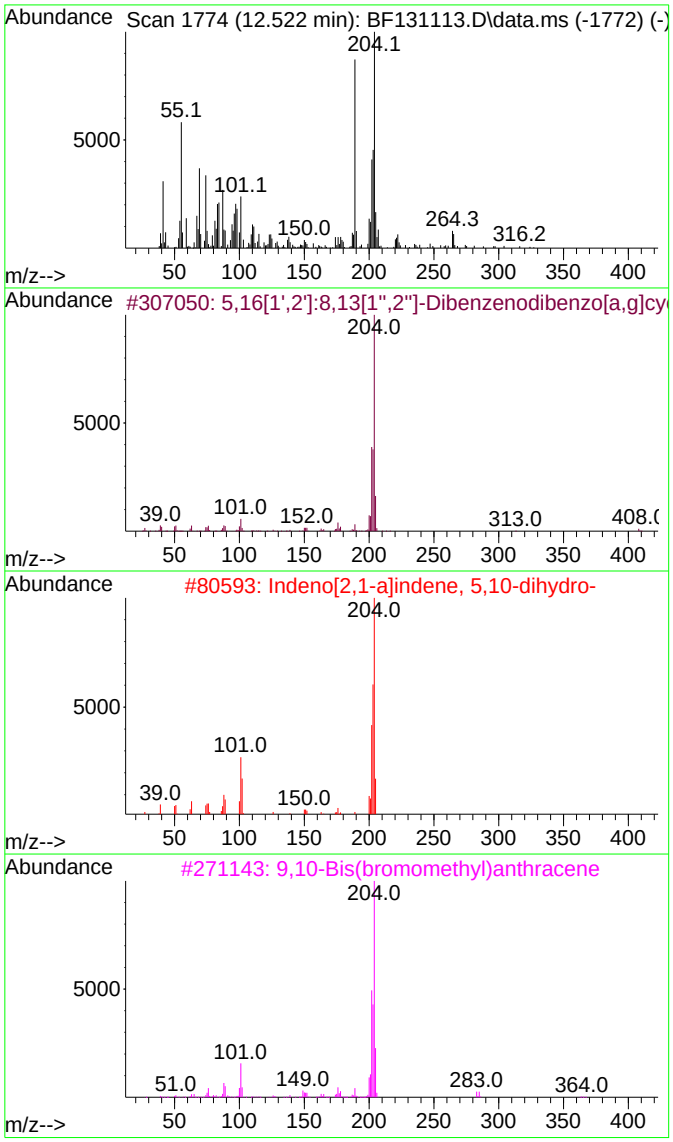
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

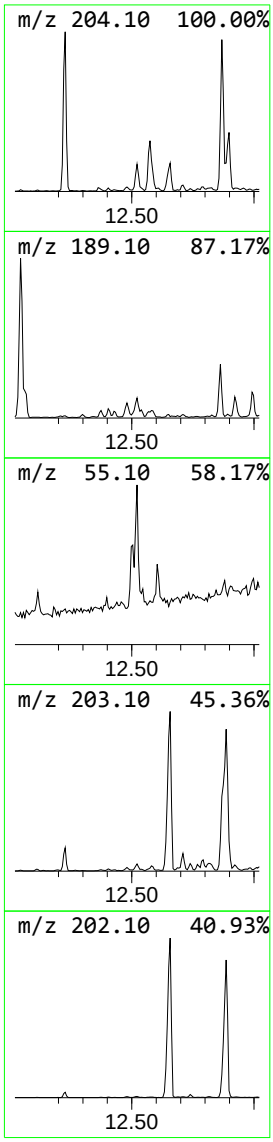
****

Peak Number 17 unknown12.522 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	10.54 ng	350903	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

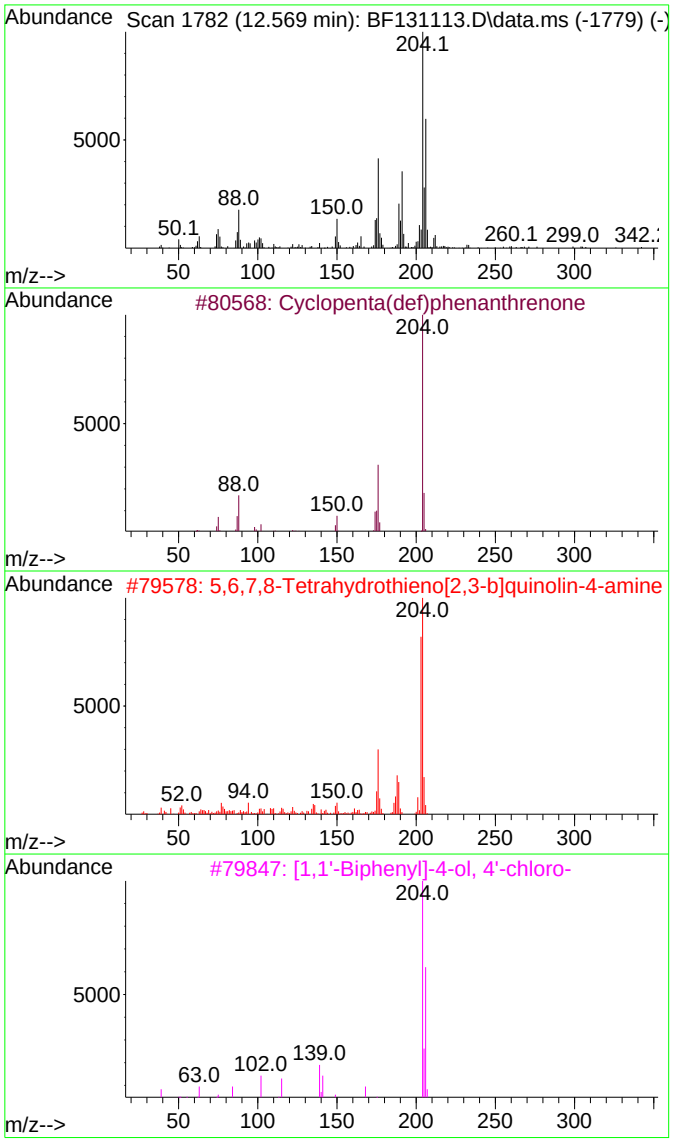
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

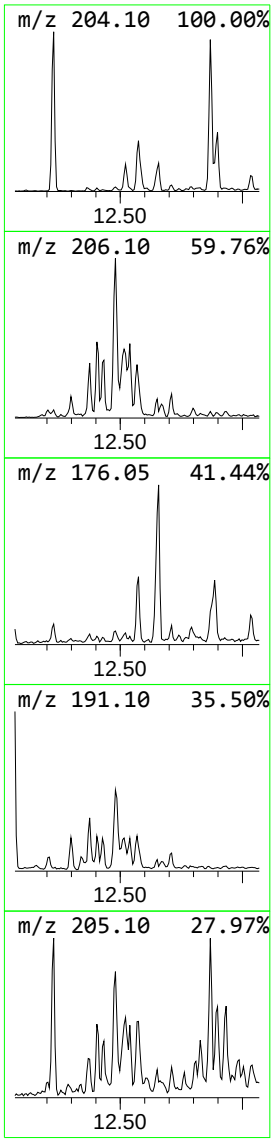
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	6.50 ng	216199	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

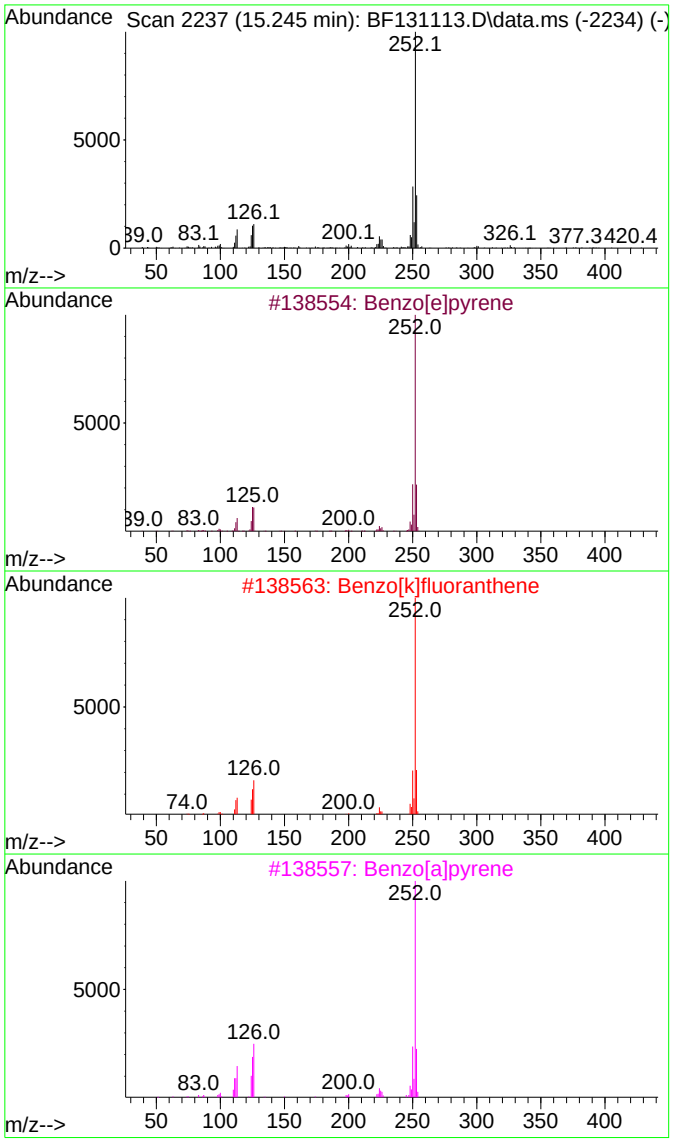
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

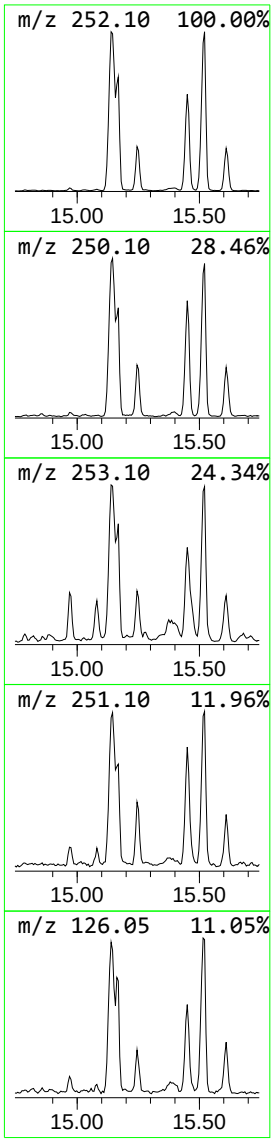
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.245	11.14 ng	272398	Perylene-d12	15.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

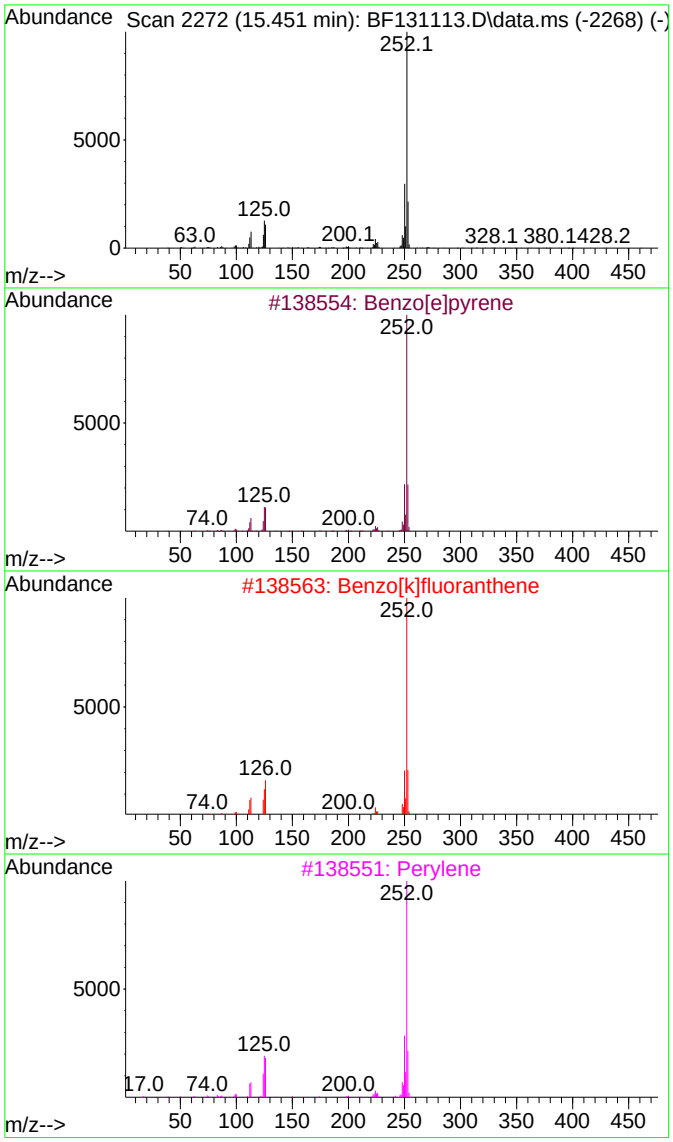
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

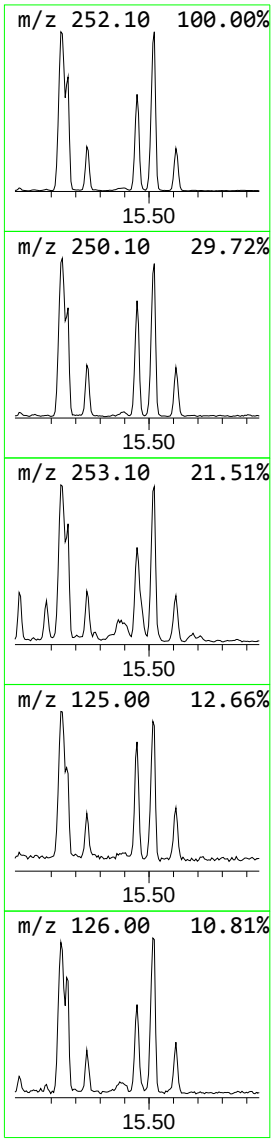
****

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.451	27.71 ng	677295	Perylene-d12	15.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131113.D
Acq On : 10 Nov 2022 04:31
Operator : CG\JU
Sample : N5511-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-110722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.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...	2.169	14.5	ng	433532	1	6.892	596964	20.0
2-Pentanone, 4-...	5.104	10.7	ng	320279	1	6.892	596964	20.0
Naphthalene, 1,...	9.516	8.3	ng	278676	3	9.933	675846	20.0
Naphthalene, 2,...	9.592	8.5	ng	285784	3	9.933	675846	20.0
Dibenzofuran, 4...	10.639	6.0	ng	201670	3	9.933	675846	20.0
9H-Fluorene, 2-...	11.033	8.1	ng	269650	4	11.428	665613	20.0
9H-Fluoren-9-one	11.233	5.8	ng	191719	4	11.428	665613	20.0
Dibenzothiophene	11.322	10.8	ng	358030	4	11.428	665613	20.0
Naphthalene, 1-...	11.722	5.6	ng	187207	4	11.428	665613	20.0
Phenanthrene, 2...	11.927	17.0	ng	566559	4	11.428	665613	20.0
Phenanthrene, 1...	11.957	20.3	ng	676494	4	11.428	665613	20.0
Anthracene, 1-m...	12.004	9.4	ng	312599	4	11.428	665613	20.0
4H-Cyclopenta[d...	12.045	28.8	ng	959866	4	11.428	665613	20.0
1H-Cyclopropa[l...	12.063	8.0	ng	266828	4	11.428	665613	20.0
Naphthalene, 2-...	12.227	10.2	ng	339362	4	11.428	665613	20.0
Phenanthrene, 2...	12.480	8.5	ng	281784	4	11.428	665613	20.0
unknown12.522	12.522	10.5	ng	350903	4	11.428	665613	20.0
Cyclopenta(def)...	12.569	6.5	ng	216199	4	11.428	665613	20.0
Benzo[e]pyrene	15.245	11.1	ng	272398	6	15.580	488872	20.0
Perylene	15.451	27.7	ng	677295	6	15.580	488872	20.0