LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-20-C2

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126331.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.022	490	499	512	rBV	160466	216121	8.49%	0.511%
2	5.428	563	568	571	rBV	2666113	2521384	98.99%	5.963%
3	6.440	735	740	757	rBV	2520162	2547092	100.00%	6.024%
4	6.816	800	804	807	rBV	1080973	848886	33.33%	2.008%
5	7.375	894	899	902	rBV	1799715	1628482	63.93%	3.851%
6	8.098	1018	1022	1041	rVB	1268409	1140322	44.77%	2.697%
7	8.810	1140	1143	1150	rBV	82323	73236	2.88%	0.173%
8	8.910	1155	1160	1168	rBV	85879	75577	2.97%	0.179%
9	9.175	1201	1205	1217	rBV	2581696	2451562	96.25%	5.798%
10	9.263	1217	1220	1225	rVB3	61487	79879	3.14%	0.189%
11	9.439	1245	1250	1255	rBV2	63914	88703	3.48%	0.210%
12	9.510	1258	1262	1265	rBV	140893	147848	5.80%	0.350%
13	9.539	1265	1267	1270	rVB	84235	67303	2.64%	0.159%
14	9.628	1279	1282	1287	rBV	81063	87200	3.42%	0.206%
15	9.851	1314	1320	1323	rBV	1155239	1033050	40.56%	2.443%
16	9.886	1323	1326	1330	rVB	143672	151332	5.94%	0.358%
17	10.057	1351	1355	1358	rVV	91625	102625	4.03%	0.243%
18	10.092	1358	1361	1370	rVB	70528	85200	3.34%	0.201%
19	10.169	1370	1374	1377	rBV2	71120	72902	2.86%	0.172%
20	10.263	1386	1390	1396	rBV6	73866	134220	5.27%	0.317%
21	10.398	1410	1413	1419	rVV3	114505	128232	5.03%	0.303%
22	10.463	1419	1424	1426	rVV2	84287	116286	4.57%	0.275%
23	10.557	1437	1440	1444	rVB3	66794	90089	3.54%	0.213%
24	10.639	1449	1454	1458	rBV	1157929	1172875	46.05%	2.774%
25	10.763	1473	1475	1480	rVB3	67759	74137	2.91%	0.175%
26	10.951	1502	1507	1509	rBV3	53295	78109	3.07%	0.185%
27	11.139	1536	1539	1544	rVB	199803	175469	6.89%	0.415%
28	11.233	1552	1555	1560	rVB	205257	200572	7.87%	0.474%
29	11.339	1569	1573	1574	rBV	899843	840830	33.01%	1.989%
30	11.363	1574	1577	1580	rVV	2277191	1875335	73.63%	4.435%
31	11.410	1582	1585	1589	rVB	338319	285296	11.20%	0.675%
32	11.516	1600	1603	1607	rVB2	80342	85425	3.35%	0.202%
33	11.633	1621	1623	1626	rVB2	150051	116786	4.59%	0.276%
34	11.669	1626	1629	1632	rBV	199554	157019	6.16%	0.371%
35	11.751	1641	1643	1647	rVB	91120	82289	3.23%	0.195%
36	11.792	1647	1650	1654	rBV2	93482	110743	4.35%	0.262%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.839	1654	1658	1660	rVV	583700	502251	19.72%	1.188%
38	11.869	1660	1663	1667	rVV	691019	619267	24.31%	1.465%
39	11.910	1667	1670	1673	rVB2	109130	116125	4.56%	0.275%
40	11.951	1673	1677	1679	rBV2	614437	705151	27.68%	1.668%
41	11.975	1679	1681	1684	rVB	493706	381258	14.97%	0.902%
42	12.027	1686	1690	1691	rBV2	64343	68007	2.67%	0.161%
43	12.133	1705	1708	1710	rVV	374642	349333	13.71%	0.826%
44	12.157	1710	1712	1718	rVB2	372214	341887	13.42%	0.809%
45	12.210	1718	1721	1728	rVB3	77219	98889	3.88%	0.234%
46	12.286	1731	1734	1736	rVV	127379	120527	4.73%	0.285%
47	12.316	1736	1739	1741	rVV2	121984	114747	4.51%	0.271%
48	12.386	1747	1751	1754	rBV2	296200	328476	12.90%	0.777%
49	12.422	1754	1757	1760	rVV3	171955	230172	9.04%	0.544%
50	12.469	1763	1765	1770	rVB2	352179	337572	13.25%	0.798%
51	12.551	1773	1779	1782	rBV	1488362	1367239	53.68%	3.234%
52	12.616	1788	1790	1795	rVB3	87221	91927	3.61%	0.217%
53	12.680	1797	1801	1803	rBV2	143874	153806	6.04%	0.364%
54	12.780	1812	1818	1821	rVV	2155624	2197878	86.29%	5.198%
55	12.822	1824	1825	1831	rVB3	75296	108284	4.25%	0.256%
56	12.922	1839	1842	1849	rVB	1953356	1807637	70.97%	4.275%
57	12.992	1850	1854	1862	rBV	239455	381036	14.96%	0.901%
58	13.086	1866	1870	1872	rVV3	194109	315740	12.40%	0.747%
59	13.169	1876	1884	1887	rBV4	105438	187884	7.38%	0.444%
60	13.210	1887	1891	1894	rVV	359302	337356	13.24%	0.798%
61	13.298	1903	1906	1909	rVV	272863	272979	10.72%	0.646%
62	13.333	1909	1912	1915	rVB	295661	259564	10.19%	0.614%
63	13.404	1919	1924	1931	rVB	803565	884576	34.73%	2.092%
64	13.610	1955	1959	1962	rBV	318436	298727	11.73%	0.706%
65	13.716	1973	1977	1981	rBV2	224828	311848	12.24%	0.738%
66	13.751	1981	1983	1985	rVV	230992	172119	6.76%	0.407%
67	13.774	1985	1987	1990	rVB	121778	95107	3.73%	0.225%
68	13.816	1990	1994	1998	rBV2	244212	272163	10.69%	0.644%
69	13.969	2015	2020	2023	rBV2	1064147	1582079	62.11%	3.742%
70	13.998	2023	2025	2031	rVV	844582	832453	32.68%	1.969%
71	14.069	2034	2037	2040	rVB3	123514	139296	5.47%	0.329%
72	14.298	2071	2076	2078	rVB3	50122	67982	2.67%	0.161%
73	14.327	2078	2081	2083	rBV2	89217	98640	3.87%	0.233%
74	14.363	2083	2087	2090	rVV	301935	292110	11.47%	0.691%
75	14.392	2090	2092	2096	rVB	195297	180077	7.07%	0.426%
76	14.433	2096	2099	2100	rBV3	63009	68232	2.68%	0.161%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.451	2100	2102	2105	rVB2	164727	148585	5.83%	0.351%
78	14.486	2105	2108	2110	rBV	136691	119660	4.70%	0.283%
79	14.510	2110	2112	2116	rVB	95108	84198	3.31%	0.199%
80	14.557	2117	2120	2123	rVB2	81012	82829	3.25%	0.196%
81	14.610	2125	2129	2134	rBV2	131961	191671	7.53%	0.453%
82	14.757	2150	2154	2156	rBV2	59217	69391	2.72%	0.164%
83	14.833	2162	2167	2173	rBV2	166577	276023	10.84%	0.653%
84	14.910	2177	2180	2190	rVV4	96391	168005	6.60%	0.397%
85	15.004	2191	2196	2207	rVV2	528424	1121586	44.03%	2.653%
86	15.110	2207	2214	2217	rVB2	85684	169596	6.66%	0.401%
87	15.257	2235	2239	2242	rBV4	47140	70337	2.76%	0.166%
88	15.298	2242	2246	2252	rVV	337626	453958	17.82%	1.074%
89	15.363	2252	2257	2263	rVB	499087	613618	24.09%	1.451%
90	15.421	2263	2267	2271	rBV	657081	851907	33.45%	2.015%
91	15.457	2271	2273	2280	rVB3	122759	221371	8.69%	0.524%
92	15.845	2335	2339	2344	rVB3	47158	82986	3.26%	0.196%
93	15.898	2344	2348	2352	rBV2	68820	106105	4.17%	0.251%
94	16.521	2451	2454	2460	rVB4	48472	88220	3.46%	0.209%
95	16.692	2476	2483	2488	rBV4	72625	177425	6.97%	0.420%
96	16.851	2505	2510	2517	rBV2	187337	366865	14.40%	0.868%
97	17.027	2536	2540	2545	rVB	54796	85417	3.35%	0.202%
98	17.086	2545	2550	2554	rBV2	47218	74602	2.93%	0.176%
99	17.286	2576	2584	2591	rBV	164589	346600	13.61%	0.820%
100	18.439	2770	2780	2781	rBV9	32910	79465	3.12%	0.188%

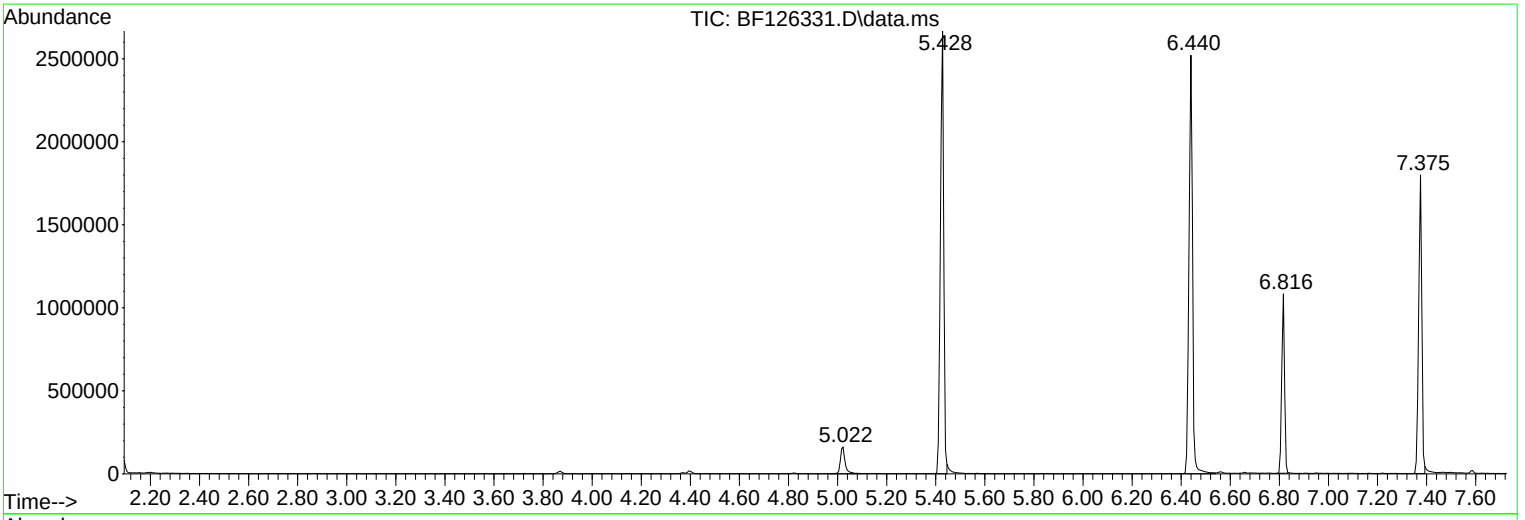
Sum of corrected areas: 42283237

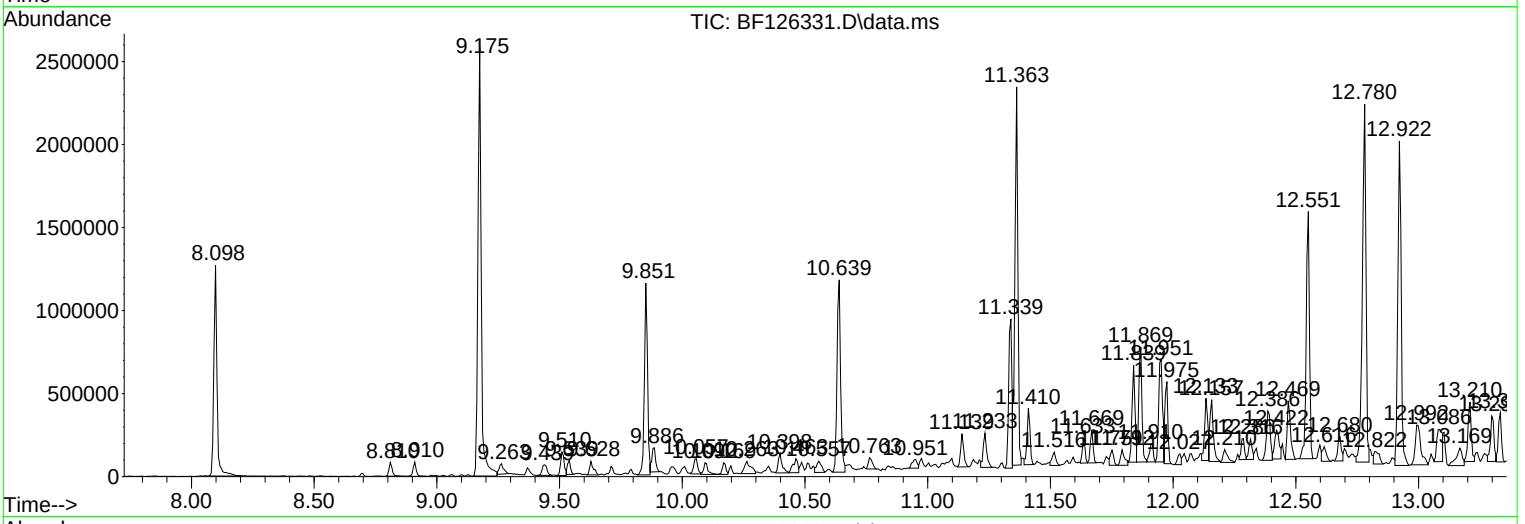
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

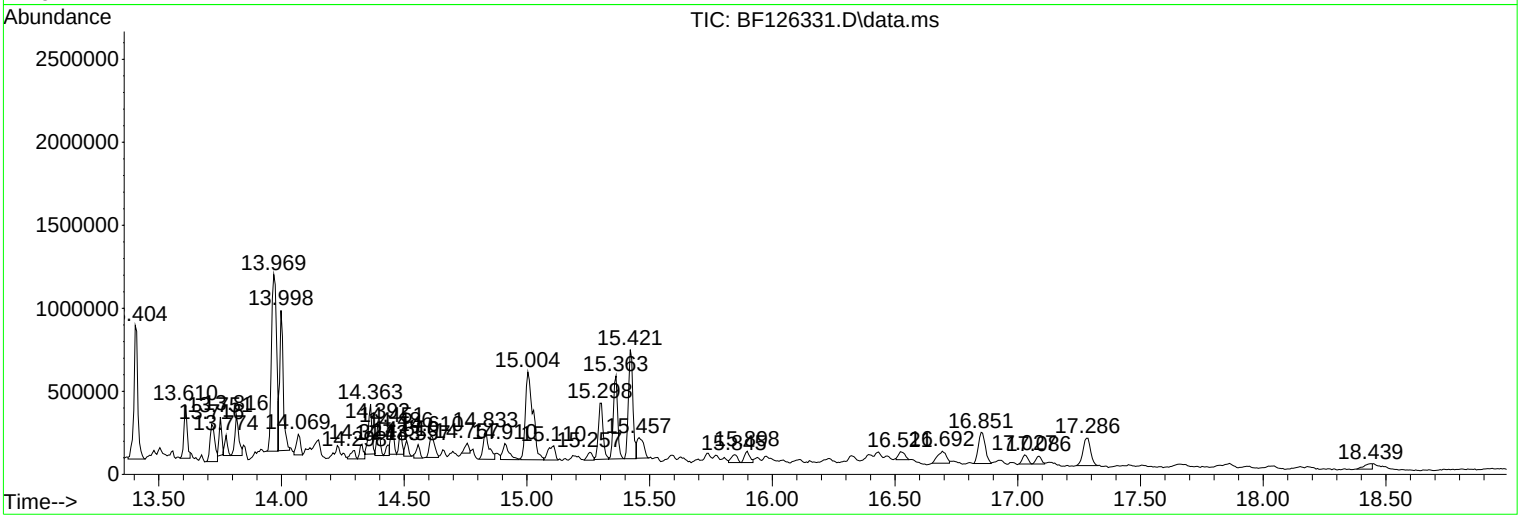
Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

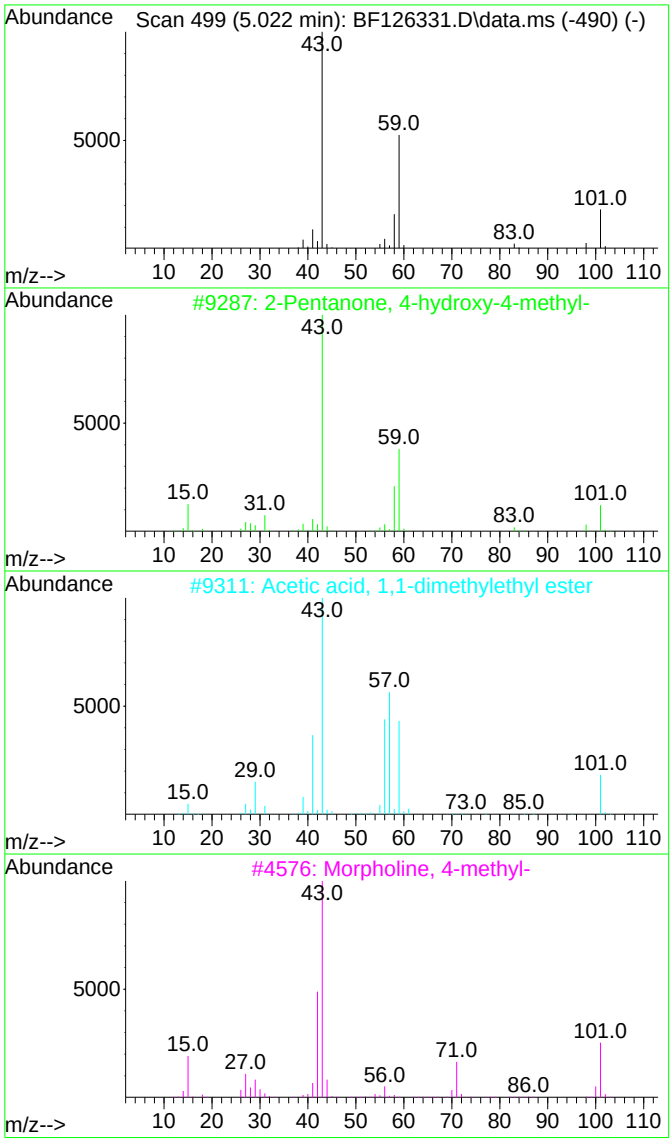
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

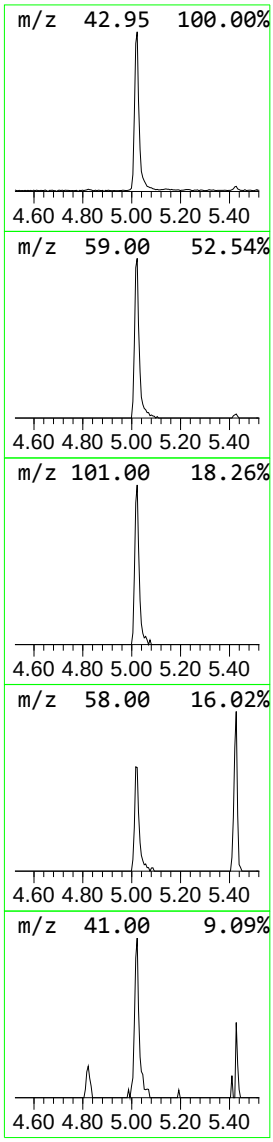
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.022	5.09 ng	216121	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

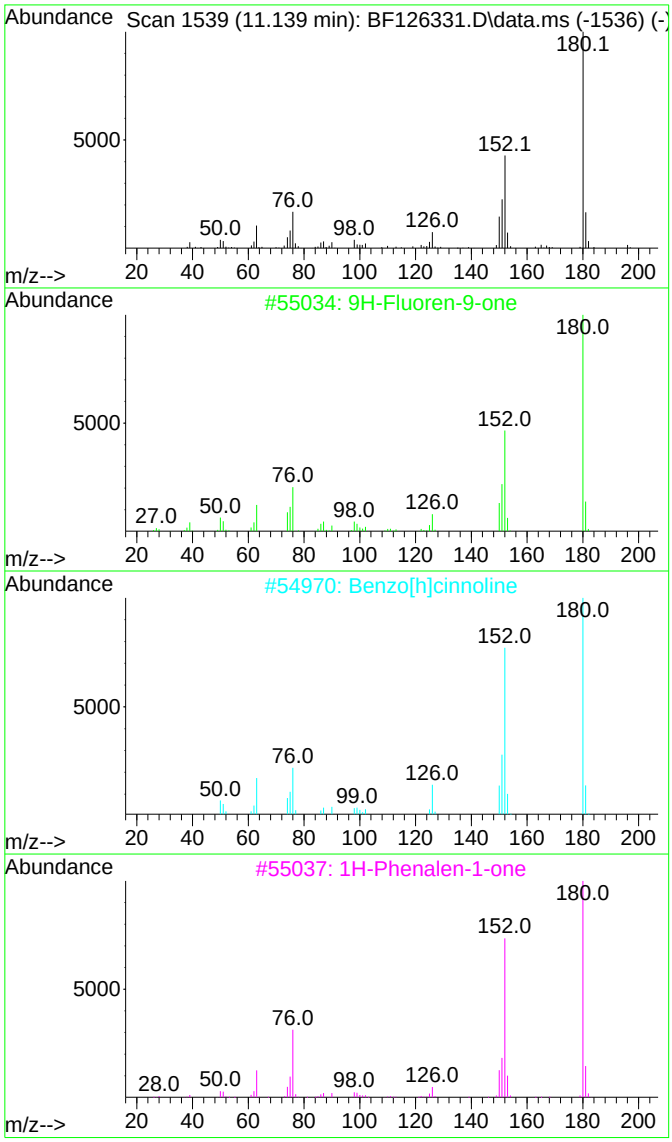
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

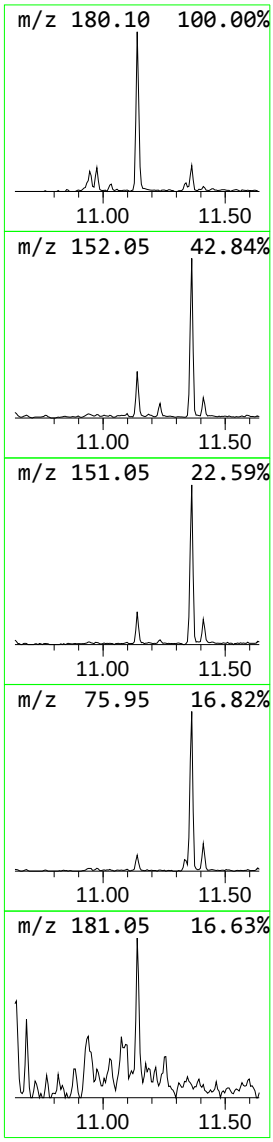
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	4.17 ng	175469	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62
4	o-Phenanthroline	180	C12H8N2	000066-71-7	46
5	2,4-Diazaphenanthrene	180	C12H8N2	000230-28-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

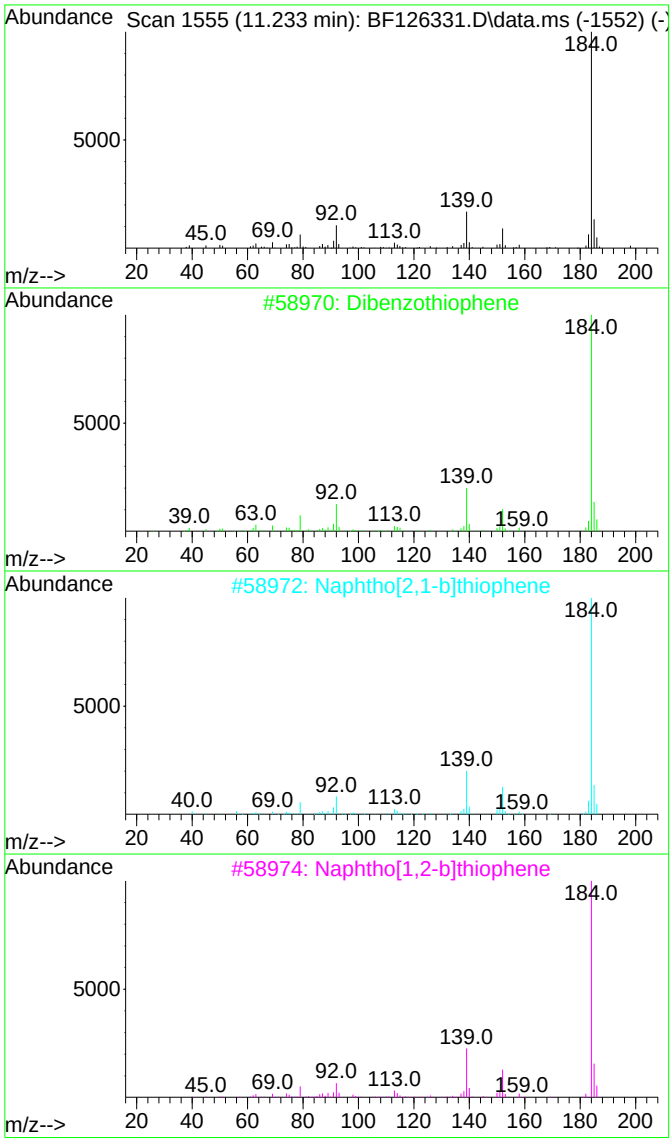
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

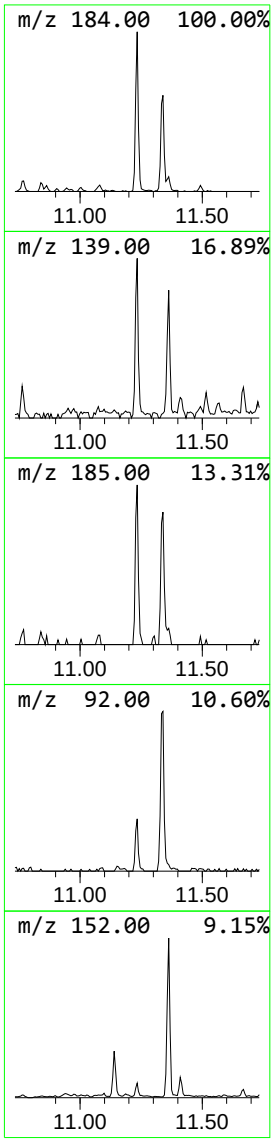
****

Peak Number 3 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	4.77 ng	200572	Phenanthrene-d10	11.339

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	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

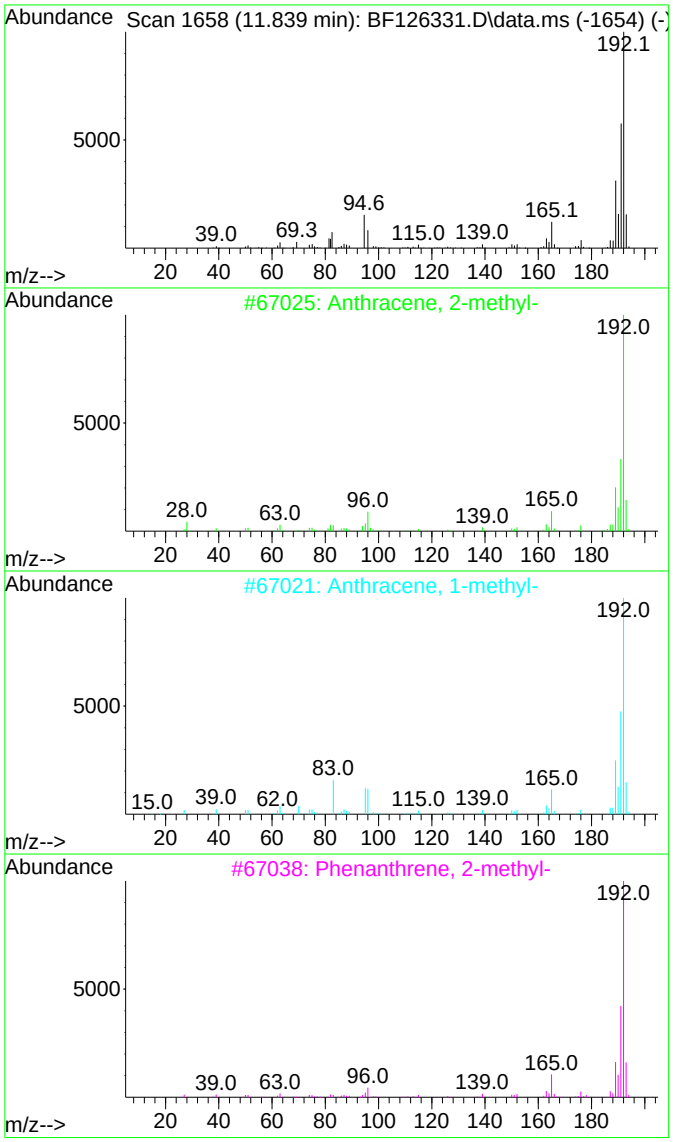
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

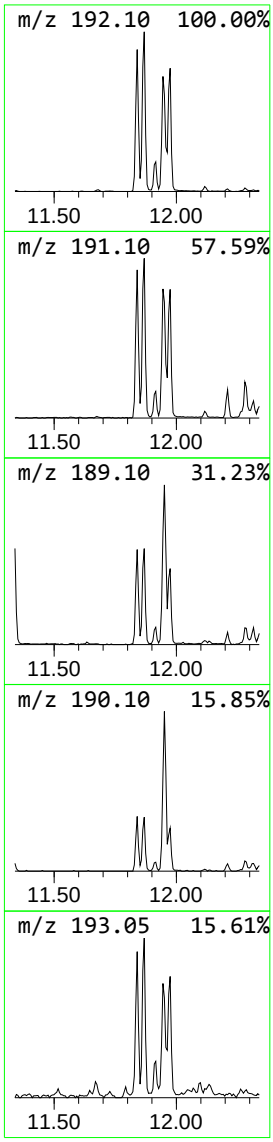
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	11.95 ng	502251	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

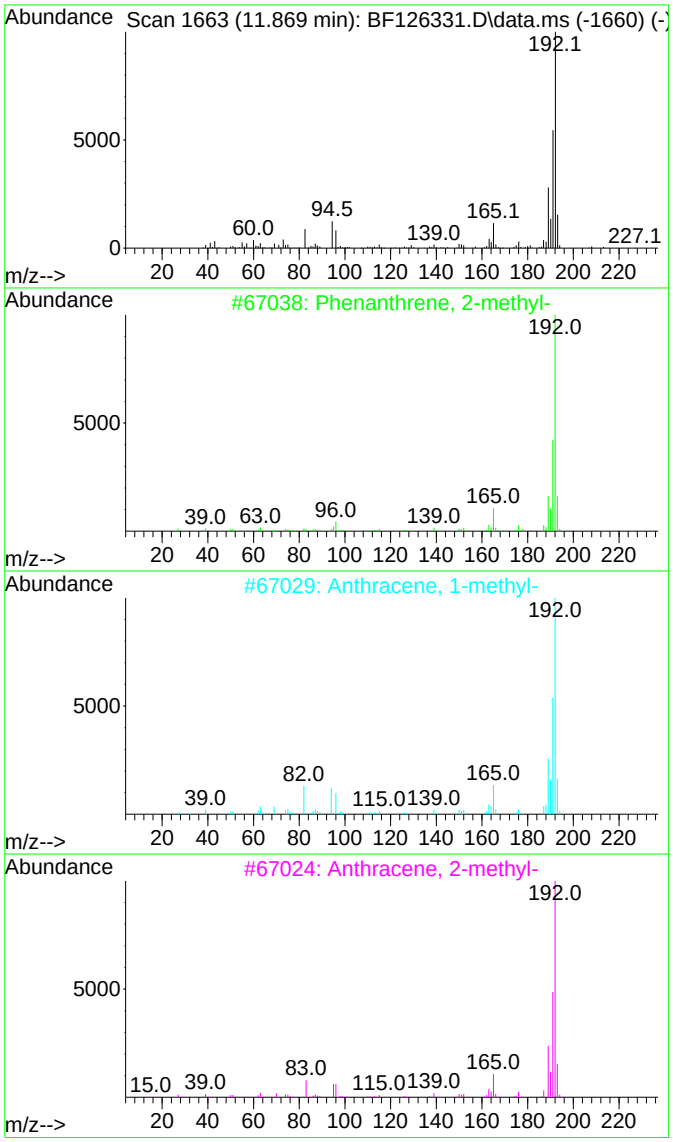
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

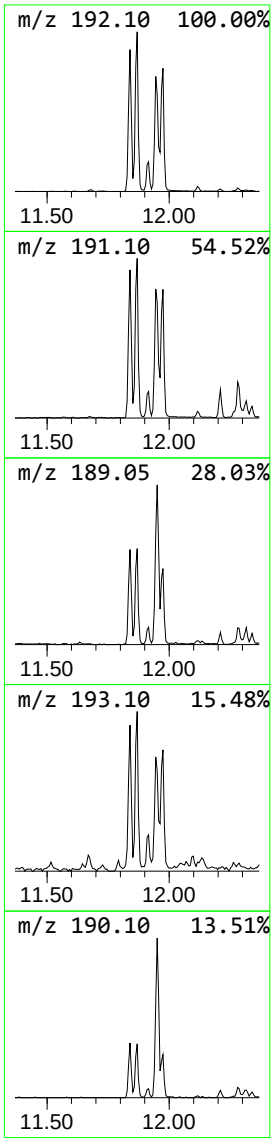
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	14.73 ng	619267	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

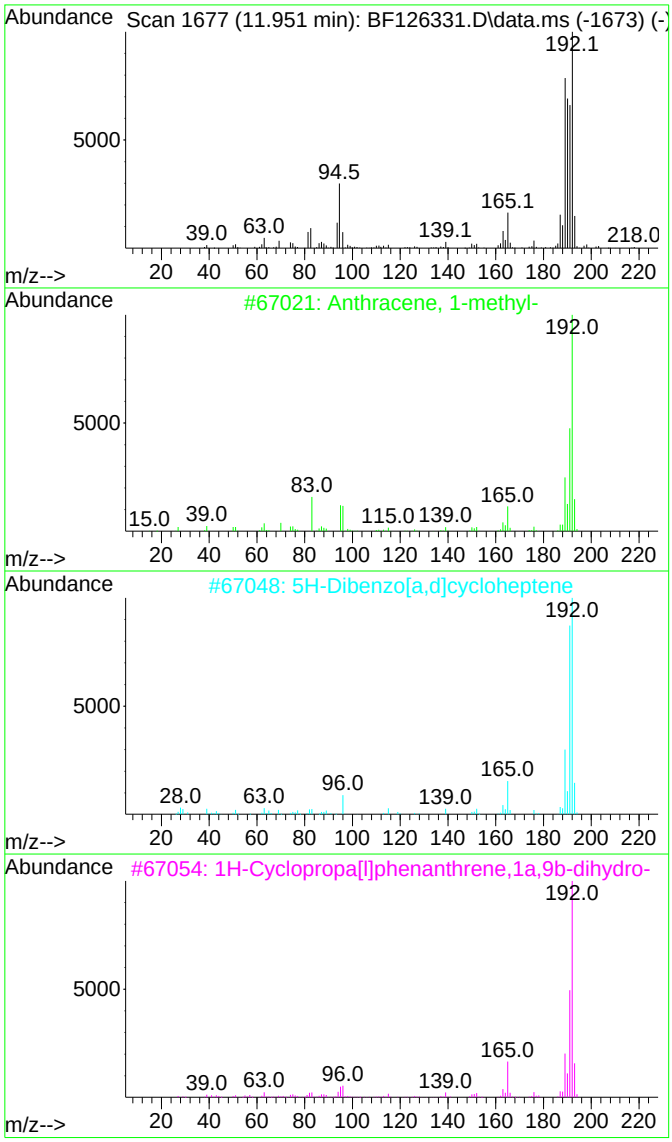
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

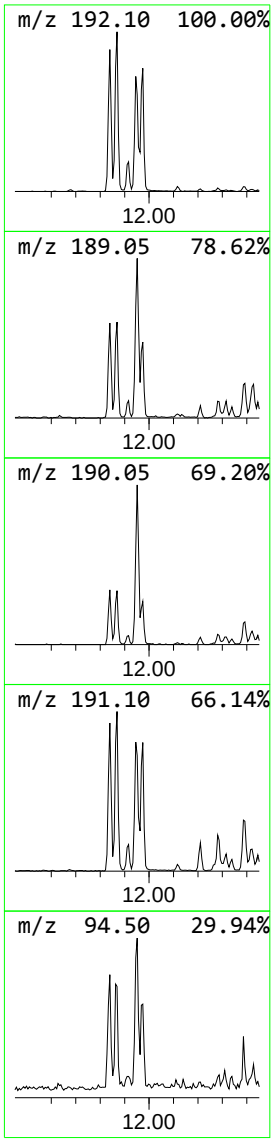
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	16.77 ng	705151	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

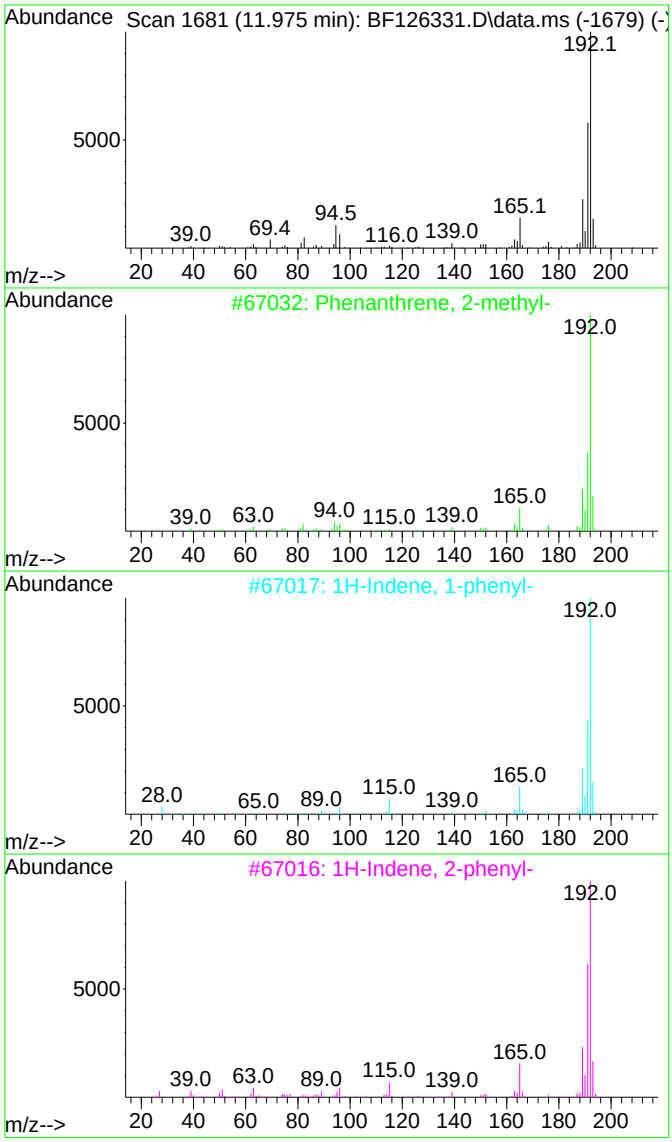
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

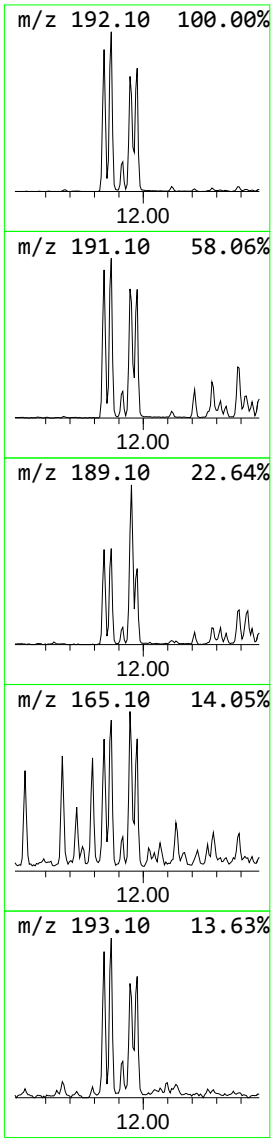
****

Peak Number 7 1H-Indene, 1-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	9.07 ng	381258	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

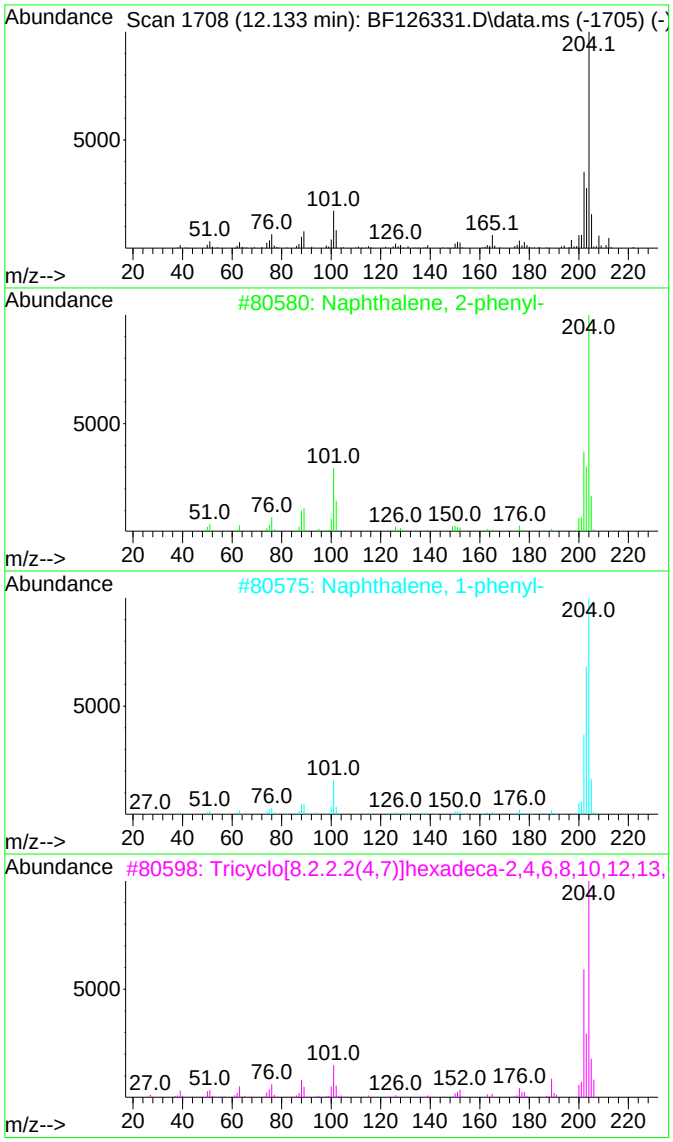
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

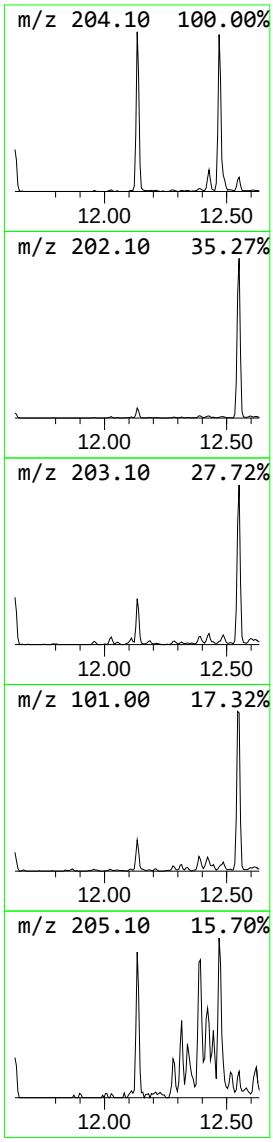
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	8.31 ng	349333	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

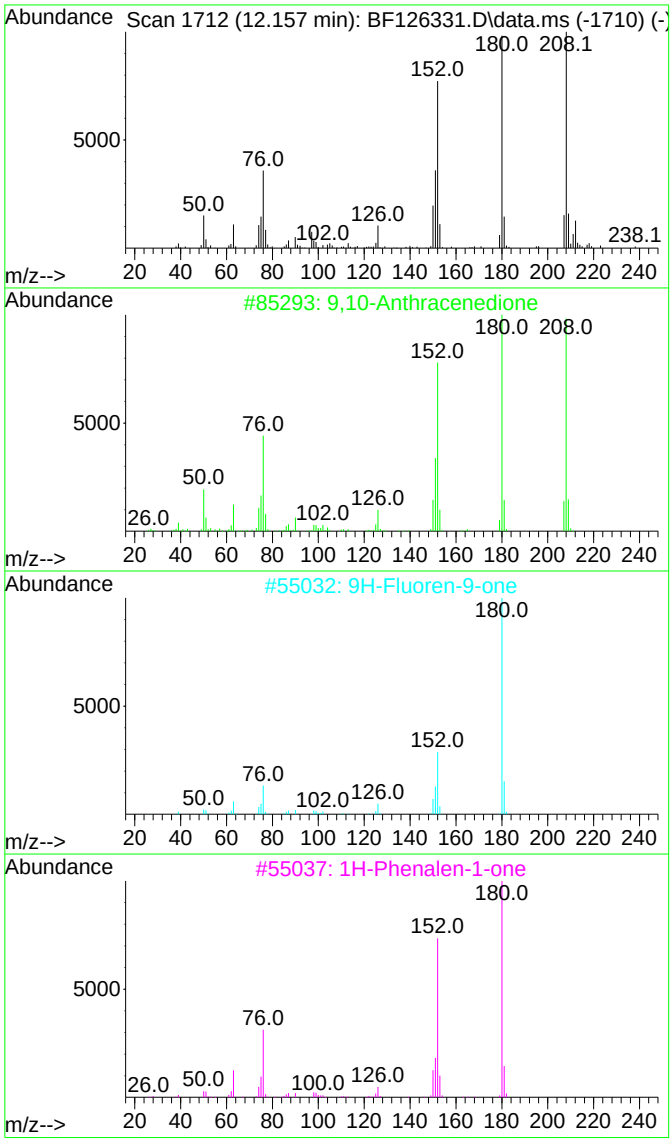
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

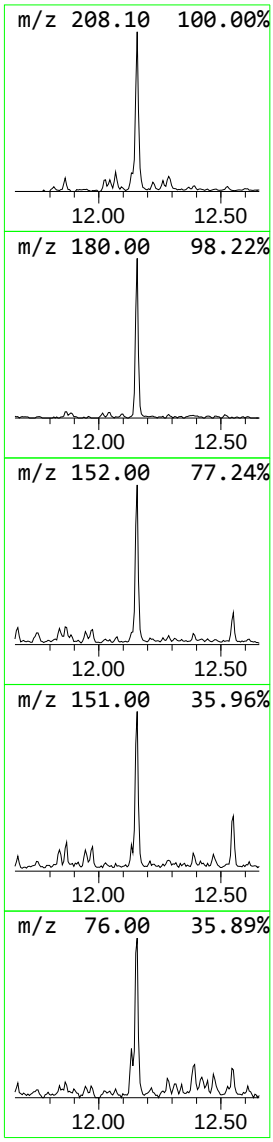
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	8.13 ng	341887	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

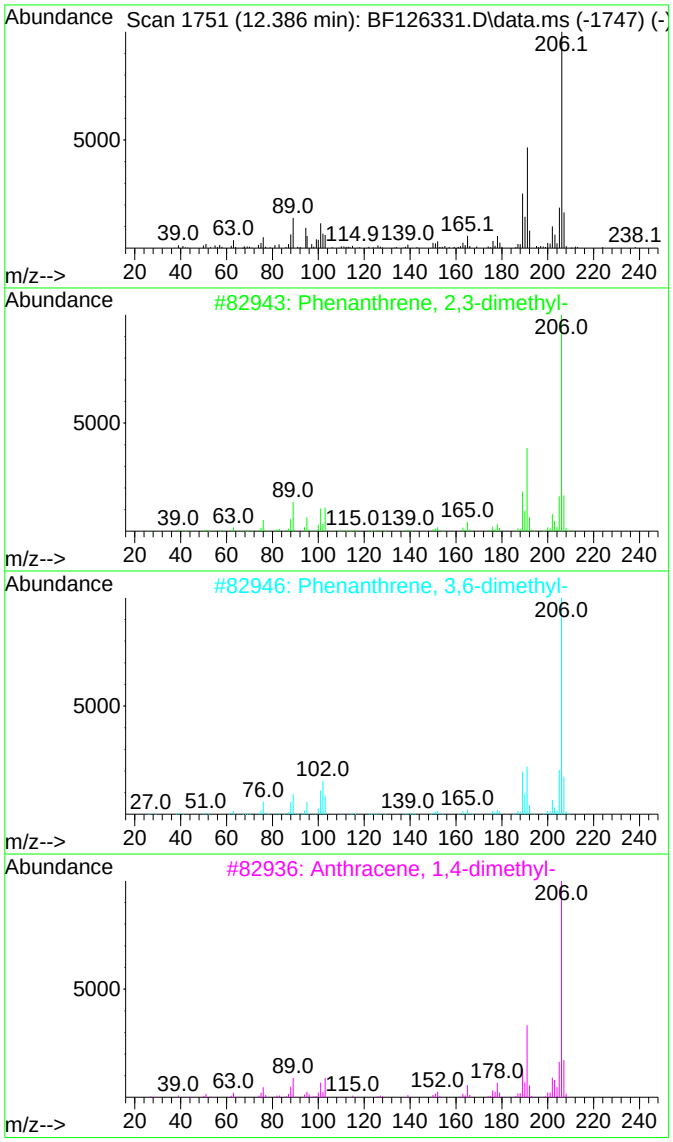
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

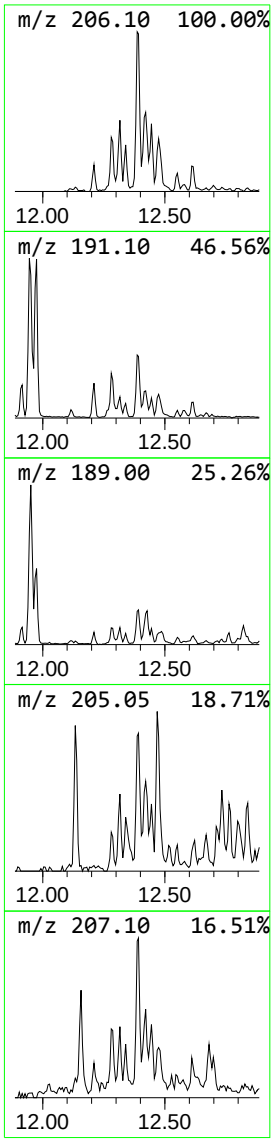
****

Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	7.81 ng	328476	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

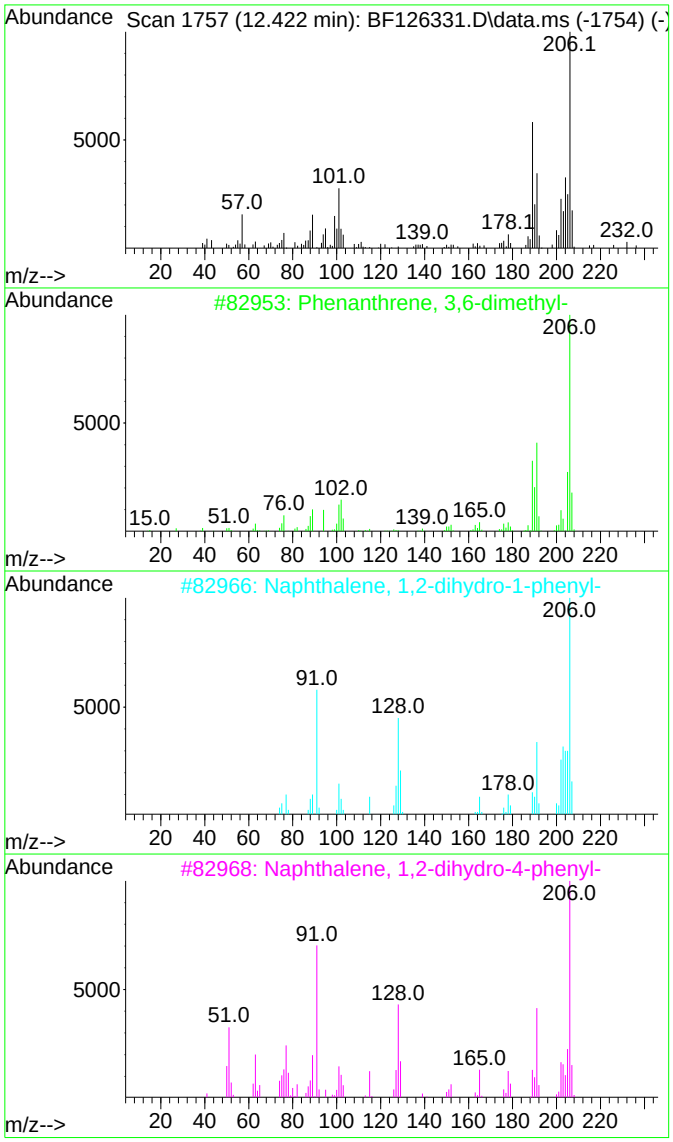
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

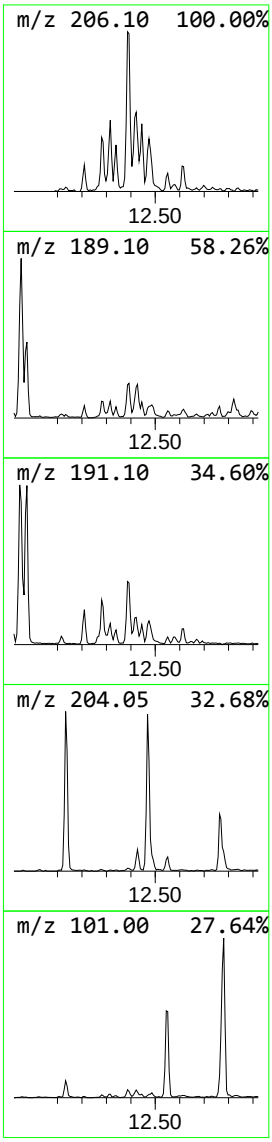
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	5.47 ng	230172	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	53
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	53
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

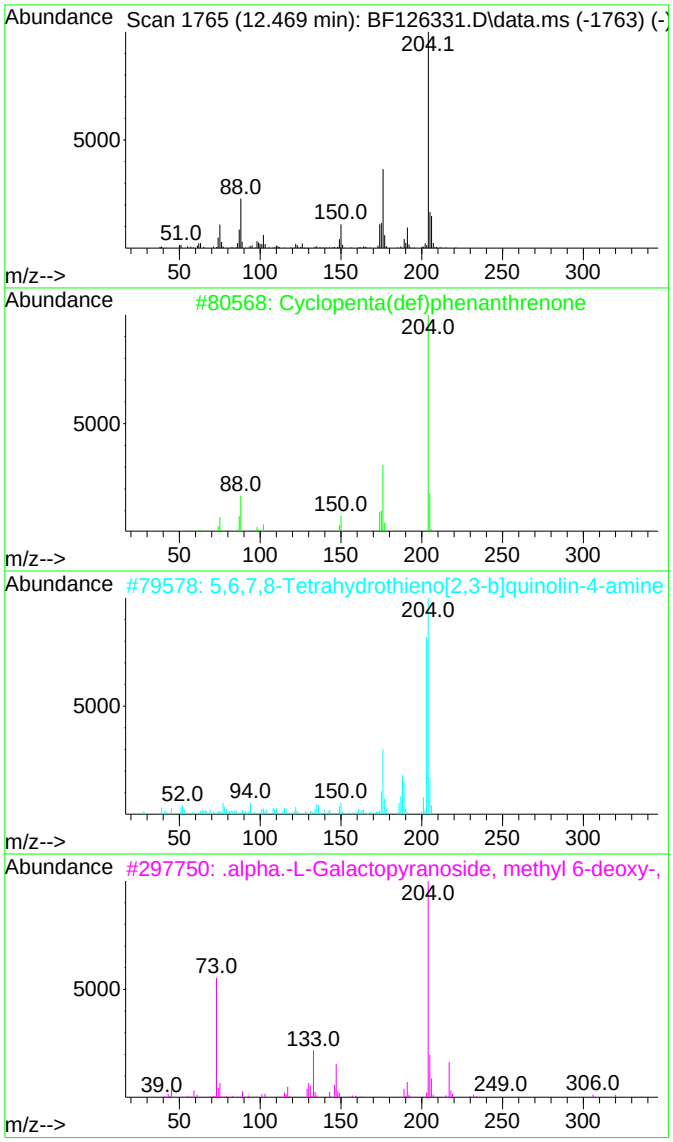
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

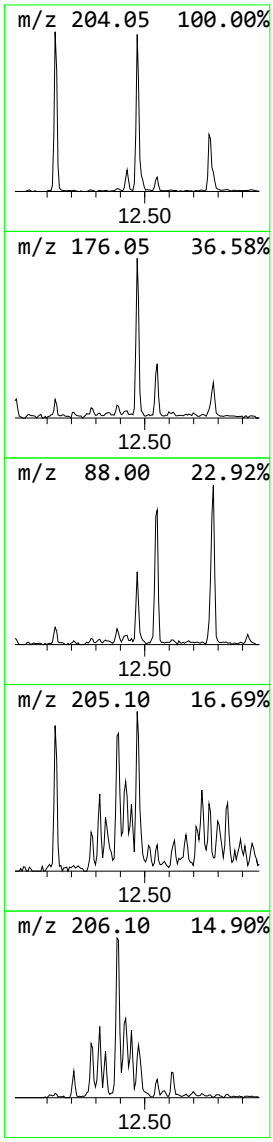
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	8.03 ng	337572	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	.alpha.-L-Galactopyranoside, met...	394	C16H38O5Si3	056271-60-4	47
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

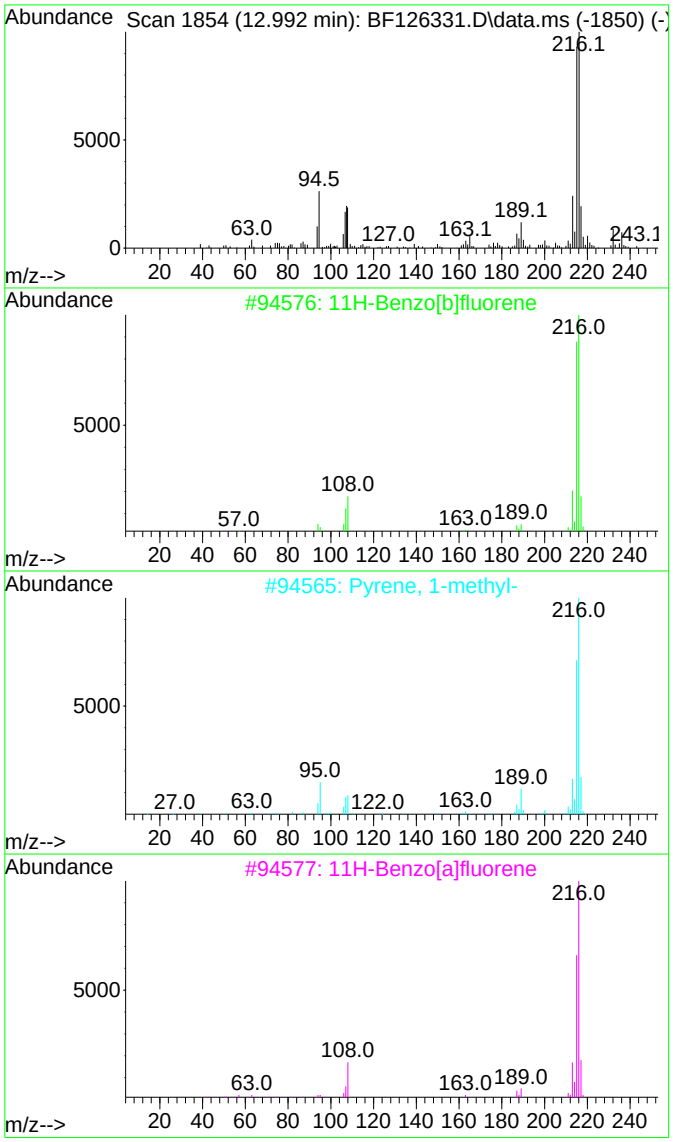
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

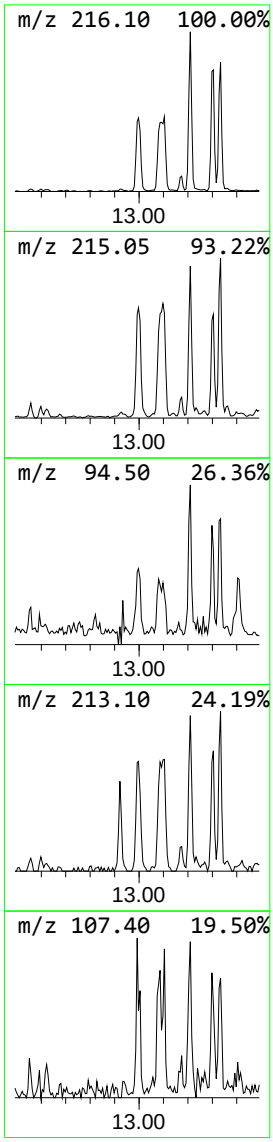
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.992	4.82 ng	381036	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

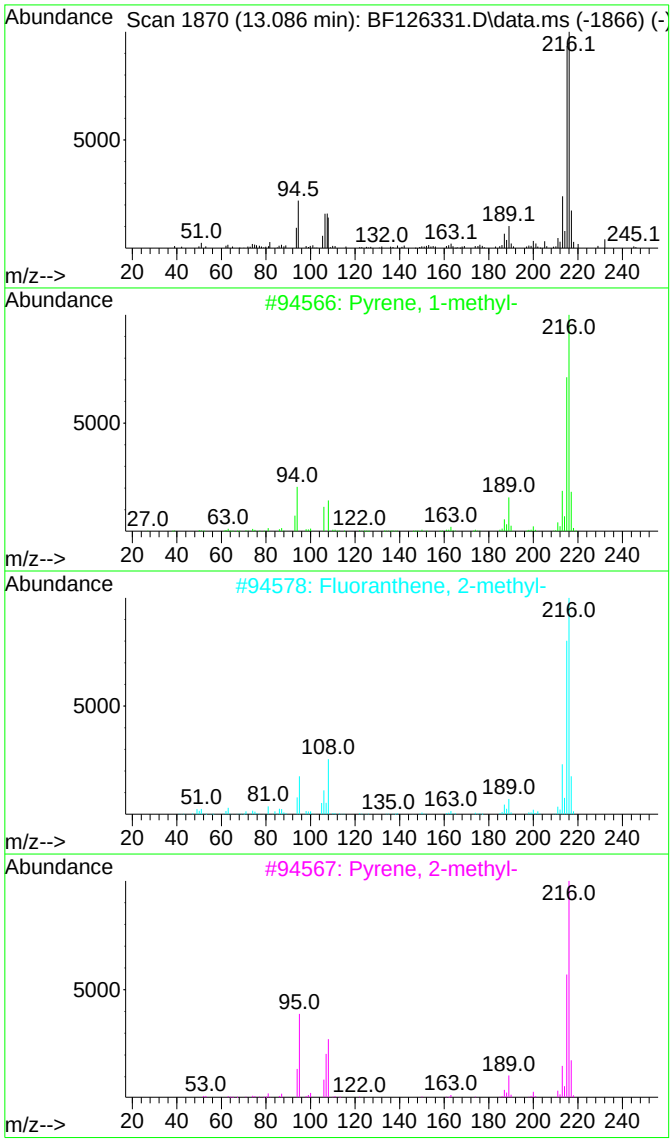
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

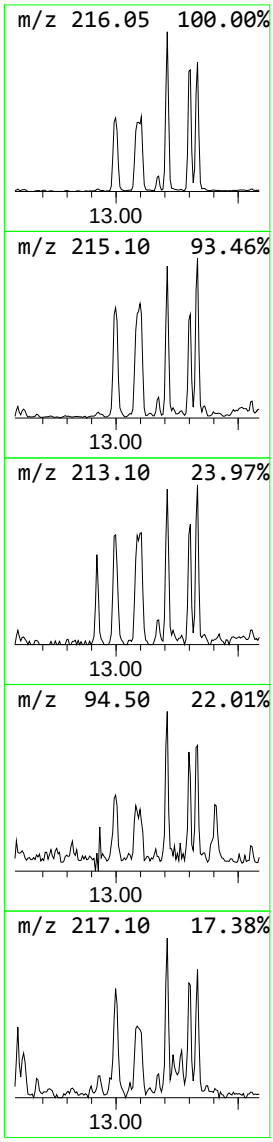
****

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	3.99 ng	315740	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

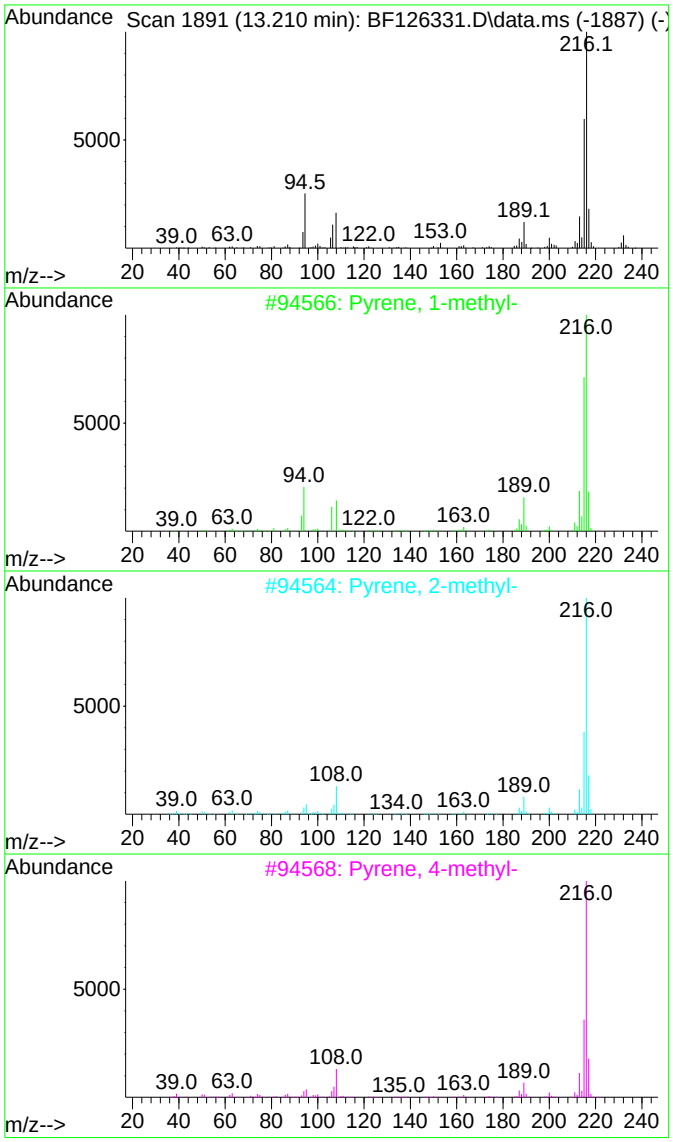
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

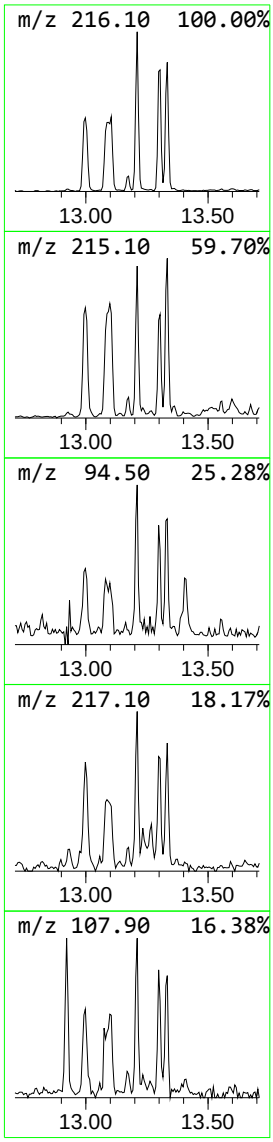
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	4.26 ng	337356	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

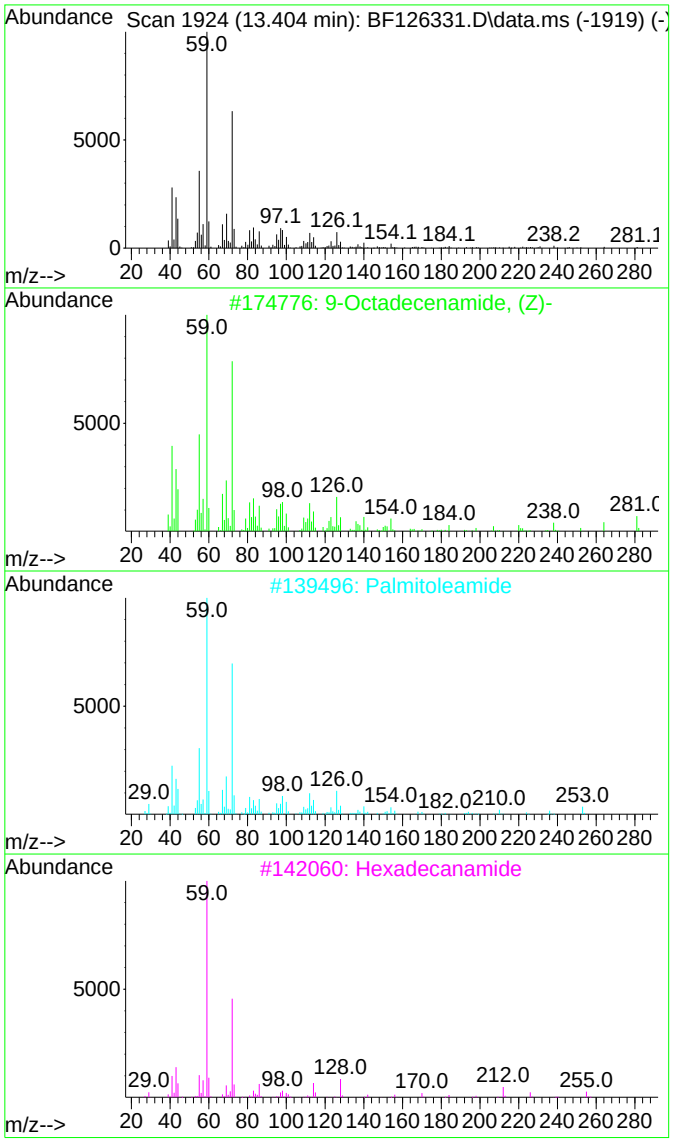
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

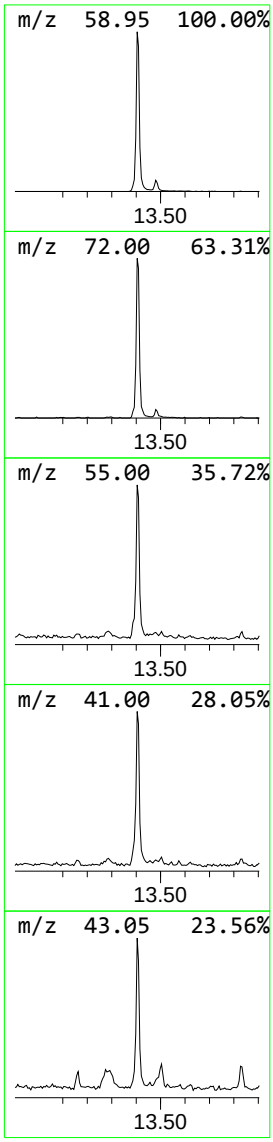
****

Peak Number 16 9-Octadecenamide, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.404	11.18 ng	884576	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	95
2	Palmitoleamide	253	C16H31NO	106010-22-4	83
3	Hexadecanamide	255	C16H33NO	000629-54-9	72
4	Tetradecanamide	227	C14H29NO	000638-58-4	56
5	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

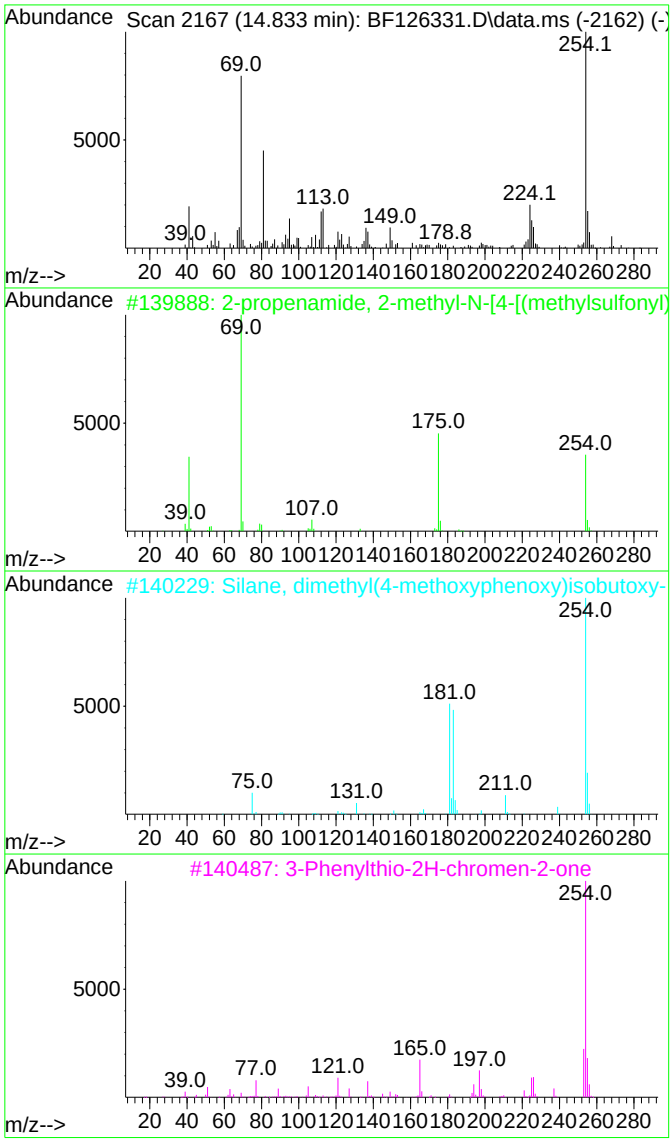
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

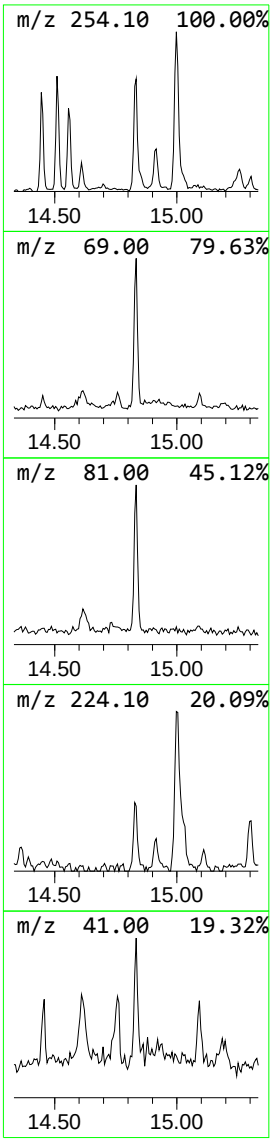
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-propenamide, 2-methyl-N-[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	6.48 ng	276023	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-propenamide, 2-methyl-N-[4-[(m...	254	C11H14N2O3S	1000401-43-5	53
2	Silane, dimethyl(4-methoxyphenox...	254	C13H22O3Si	1000347-14-1	43
3	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	41
4	Chrysin	254	C15H10O4	000480-40-0	38
5	9-Fluoro-3-(furan-2-yl)-[1,2,4]t...	254	C13H7FN4O	1000388-86-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

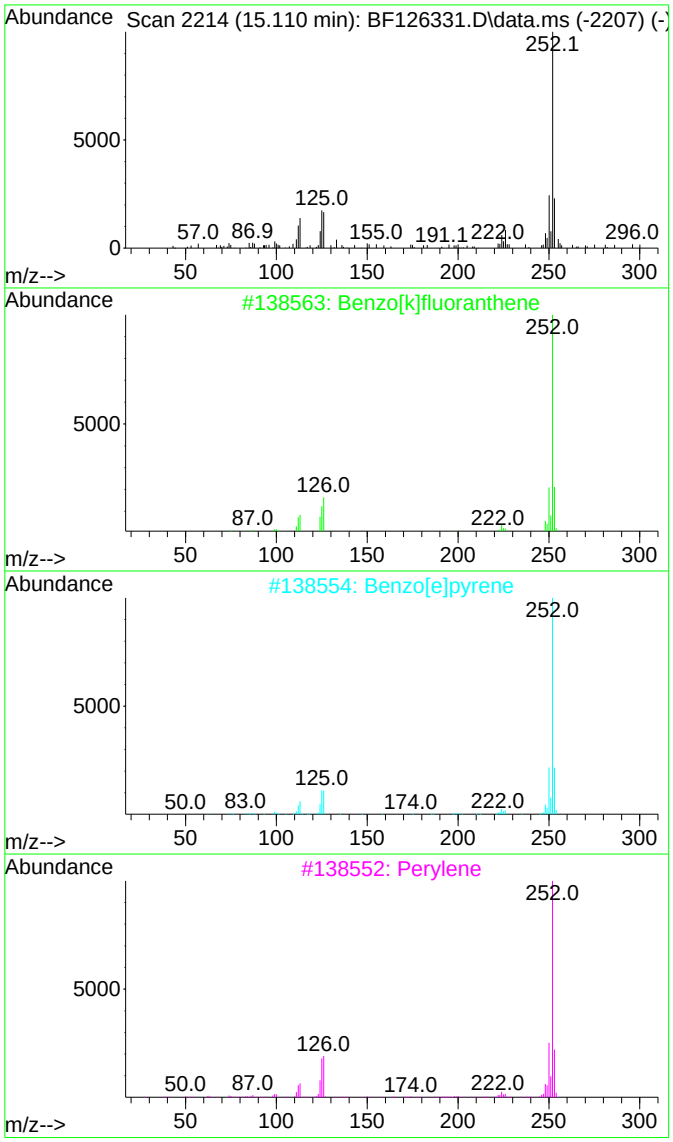
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

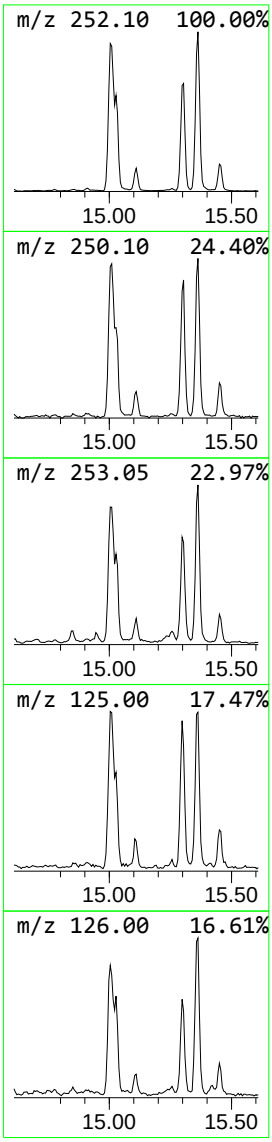
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	3.98 ng	169596	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

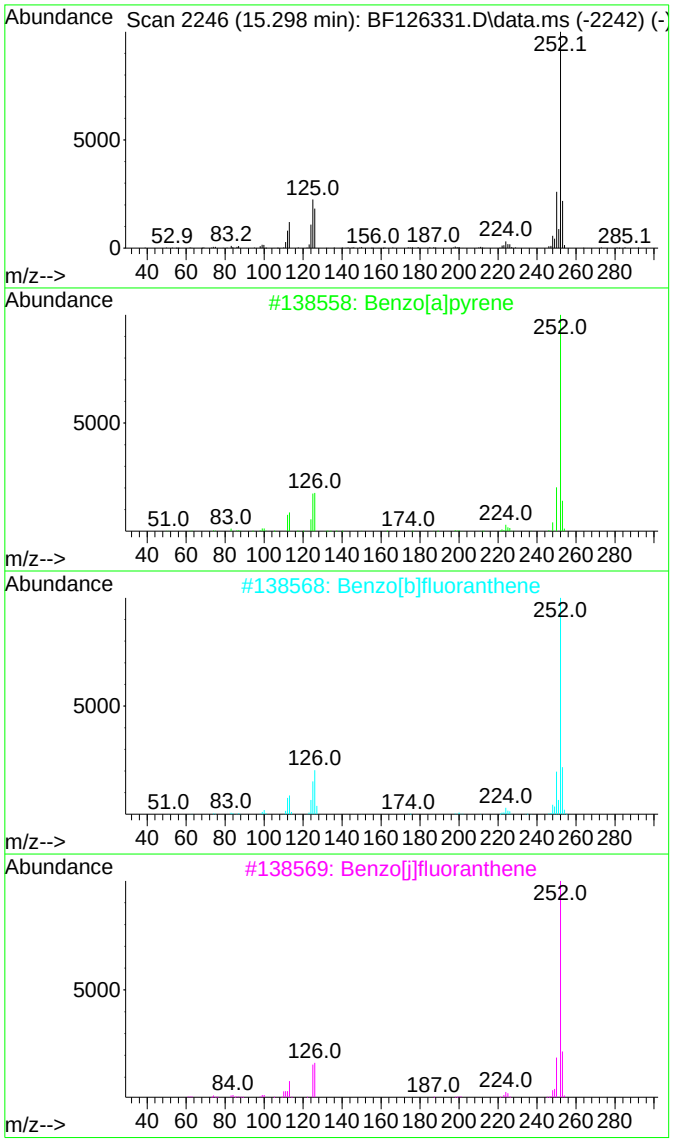
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

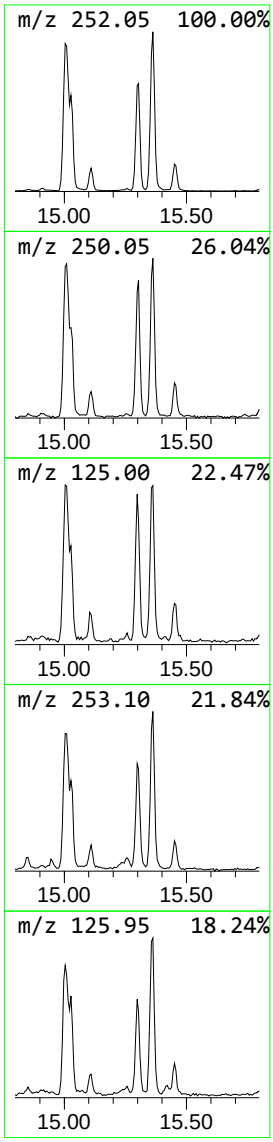
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	10.66 ng	453958	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	96
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

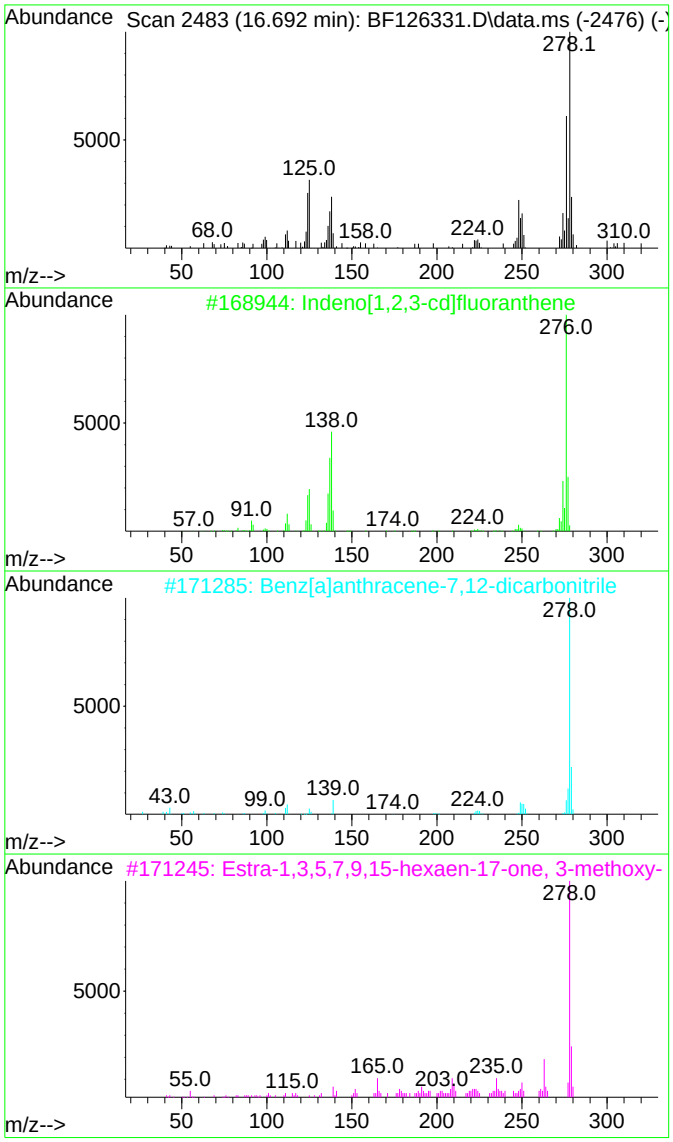
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

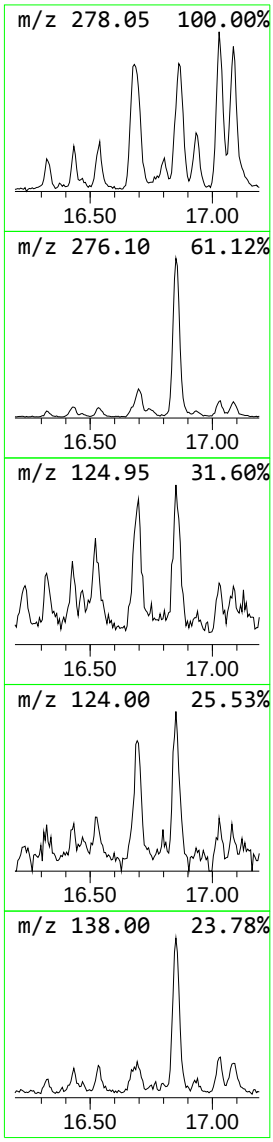
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benz[a]anthracene-7,12-dica... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.692	4.17 ng	177425	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	70
2	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	50
3	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	49
4	Picene	278	C22H14	000213-46-7	47
5	Curan, 16,17,19,20-tetradehydro-	278	C19H22N2	056053-17-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126331.D
Acq On : 22 Dec 2021 16:14
Operator : JU/CG
Sample : M5198-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-C2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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-...	5.022	5.1	ng	216121	1	6.816	848886	20.0
9H-Fluoren-9-one	11.139	4.2	ng	175469	4	11.339	840830	20.0
Dibenzothiophene	11.233	4.8	ng	200572	4	11.339	840830	20.0
Anthracene, 2-m...	11.839	11.9	ng	502251	4	11.339	840830	20.0
Phenanthrene, 2...	11.869	14.7	ng	619267	4	11.339	840830	20.0
Anthracene, 1-m...	11.951	16.8	ng	705151	4	11.339	840830	20.0
1H-Indene, 1-ph...	11.975	9.1	ng	381258	4	11.339	840830	20.0
Naphthalene, 2-...	12.133	8.3	ng	349333	4	11.339	840830	20.0
9,10-Anthracene...	12.157	8.1	ng	341887	4	11.339	840830	20.0
Phenanthrene, 2...	12.386	7.8	ng	328476	4	11.339	840830	20.0
Phenanthrene, 3...	12.422	5.5	ng	230172	4	11.339	840830	20.0
Cyclopenta(def)...	12.469	8.0	ng	337572	4	11.339	840830	20.0
11H-Benzo[b]flu...	12.992	4.8	ng	381036	5	13.974	1582080	20.0
Fluoranthene, 2...	13.086	4.0	ng	315740	5	13.974	1582080	20.0
Pyrene, 1-methyl-	13.210	4.3	ng	337356	5	13.974	1582080	20.0
9-Octadecenamid...	13.404	11.2	ng	884576	5	13.974	1582080	20.0
2-propenamide, ...	14.833	6.5	ng	276023	6	15.421	851907	20.0
Benzo[e]pyrene	15.110	4.0	ng	169596	6	15.421	851907	20.0
Benzo[j]fluoran...	15.298	10.7	ng	453958	6	15.421	851907	20.0
Benz[a]anthrace...	16.692	4.2	ng	177425	6	15.421	851907	20.0