LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

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-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	570	574	591	rBV	123706	171417	6.75%	0.814%
2	6.481	742	746	768	rBB	118505	174406	6.87%	0.828%
3	6.845	803	808	813	rBV	242669	296462	11.67%	1.407%
4	7.404	899	903	915	rBB	85637	109051	4.29%	0.518%
5	8.128	1019	1026	1034	rBV2	278551	407561	16.05%	1.935%
6	8.839	1142	1147	1153	rVB	26669	33966	1.34%	0.161%
7	8.934	1158	1163	1171	rVB	23260	29573	1.16%	0.140%
8	9.198	1203	1208	1216	rBV	136813	169812	6.69%	0.806%
9	9.463	1248	1253	1258	rBV	18306	26937	1.06%	0.128%
10	9.534	1258	1265	1268	rBV	31209	43348	1.71%	0.206%
11	9.739	1295	1300	1305	rBV	38798	47244	1.86%	0.224%
12	9.881	1316	1324	1327	rBV	245696	338491	13.33%	1.607%
13	9.910	1327	1329	1334	rVB	105910	115559	4.55%	0.549%
14	10.081	1354	1358	1362	rBV	77816	98481	3.88%	0.468%
15	10.281	1388	1392	1399	rBV3	14390	32476	1.28%	0.154%
16	10.428	1412	1417	1422	rBV	151674	196492	7.74%	0.933%
17	10.492	1422	1428	1430	rBV2	25807	49103	1.93%	0.233%
18	10.581	1438	1443	1448	rVB2	37868	60602	2.39%	0.288%
19	10.669	1453	1458	1462	rBV	90395	123439	4.86%	0.586%
20	10.792	1472	1479	1484	rVB4	14723	28966	1.14%	0.138%
21	10.975	1503	1510	1513	rBV2	50391	88108	3.47%	0.418%
22	11.004	1513	1515	1518	rVV2	25159	25635	1.01%	0.122%
23	11.098	1527	1531	1533	rBV3	26267	38908	1.53%	0.185%
24	11.122	1533	1535	1540	rVB2	26300	32898	1.30%	0.156%
25	11.175	1540	1544	1547	rBV	36801	41082	1.62%	0.195%
26	11.216	1547	1551	1555	rBV2	35431	50593	1.99%	0.240%
27	11.263	1555	1559	1571	rVB	84241	117929	4.64%	0.560%
28	11.398	1571	1582	1586	rBV2	1419613	2194110	86.39%	10.416%
29	11.445	1586	1590	1594	rBV	334697	385943	15.20%	1.832%
30	11.528	1601	1604	1611	rVB4	16466	29570	1.16%	0.140%
31	11.598	1611	1616	1623	rBV2	82708	146716	5.78%	0.697%
32	11.663	1623	1627	1630	rVV	38069	56648	2.23%	0.269%
33	11.698	1630	1633	1638	rVB3	35268	52279	2.06%	0.248%
34	11.869	1657	1662	1664	rBV	200591	254865	10.03%	1.210%
35	11.898	1664	1667	1671	rVB	270853	323622	12.74%	1.536%
36	11.945	1671	1675	1677	rBV	100622	124603	4.91%	0.592%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

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-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.980	1677	1681	1689	rVB	321347	612178	24.10%	2.906%
38	12.051	1689	1693	1695	rBV2	22127	28805	1.13%	0.137%
39	12.163	1708	1712	1715	rBV	168543	204416	8.05%	0.970%
40	12.198	1715	1718	1722	rVB2	77925	95434	3.76%	0.453%
41	12.310	1732	1737	1740	rBV	56867	86732	3.41%	0.412%
42	12.345	1740	1743	1745	rBV	33290	34879	1.37%	0.166%
43	12.369	1745	1747	1751	rVB	42924	43871	1.73%	0.208%
44	12.416	1751	1755	1759	rBV	132206	209018	8.23%	0.992%
45	12.457	1759	1762	1768	rVB	71490	120791	4.76%	0.573%
46	12.510	1768	1771	1778	rVB3	91747	133886	5.27%	0.636%
47	12.592	1778	1785	1789	rBV	1779483	2539878	100.00%	12.058%
48	12.733	1803	1809	1813	rBV2	65661	109735	4.32%	0.521%
49	12.822	1816	1824	1828	rBV	1455690	2350103	92.53%	11.157%
50	12.863	1828	1831	1836	rVB2	86585	114362	4.50%	0.543%
51	12.945	1838	1845	1853	rVB3	136404	343424	13.52%	1.630%
52	13.027	1853	1859	1866	rBV3	138119	280786	11.06%	1.333%
53	13.139	1870	1878	1882	rVB	225433	400238	15.76%	1.900%
54	13.204	1885	1889	1892	rBV2	134120	171689	6.76%	0.815%
55	13.245	1892	1896	1903	rVB2	137369	208102	8.19%	0.988%
56	13.339	1908	1912	1914	rVV	67527	97052	3.82%	0.461%
57	13.369	1914	1917	1924	rVB2	85352	130432	5.14%	0.619%
58	13.563	1939	1950	1957	rBV2	47116	160050	6.30%	0.760%
59	13.621	1957	1960	1961	rVV2	25839	27500	1.08%	0.131%
60	13.651	1961	1965	1972	rVB	116717	164482	6.48%	0.781%
61	13.757	1978	1983	1986	rBV	136169	213042	8.39%	1.011%
62	13.786	1986	1988	1990	rVV	122697	136301	5.37%	0.647%
63	13.816	1990	1993	1997	rVV2	92238	167324	6.59%	0.794%
64	13.857	1997	2000	2007	rVB	113197	162338	6.39%	0.771%
65	13.927	2008	2012	2018	rBV	31251	54880	2.16%	0.261%
66	14.004	2018	2025	2029	rBV2	754104	1365095	53.75%	6.481%
67	14.039	2029	2031	2038	rVB	602203	747355	29.42%	3.548%
68	14.116	2041	2044	2048	rVB	56170	69165	2.72%	0.328%
69	14.357	2082	2085	2087	rBV3	29599	36466	1.44%	0.173%
70	14.398	2088	2092	2095	rVV	105214	154427	6.08%	0.733%
71	14.427	2095	2097	2101	rVB	50164	55326	2.18%	0.263%
72	14.521	2110	2113	2115	rBV2	33559	41605	1.64%	0.198%
73	14.710	2142	2145	2149	rBV3	24218	44245	1.74%	0.210%
74	14.892	2172	2176	2182	rVB2	35368	55580	2.19%	0.264%
75	15.057	2198	2204	2214	rBV	409511	914546	36.01%	4.342%
76	15.157	2218	2221	2226	rVB	67598	85726	3.38%	0.407%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

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-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.357	2250	2255	2260	rVB	196486	306446	12.07%	1.455%
78	15.421	2260	2266	2271	rVV	303883	443895	17.48%	2.107%
79	15.480	2271	2276	2279	rVV	116249	191122	7.52%	0.907%
80	15.510	2279	2281	2288	rVB2	87003	124394	4.90%	0.591%
81	16.951	2520	2526	2534	rBV2	115096	254487	10.02%	1.208%
82	17.127	2550	2556	2561	rBV	27134	67463	2.66%	0.320%
83	17.404	2596	2603	2614	rVB	75564	188451	7.42%	0.895%

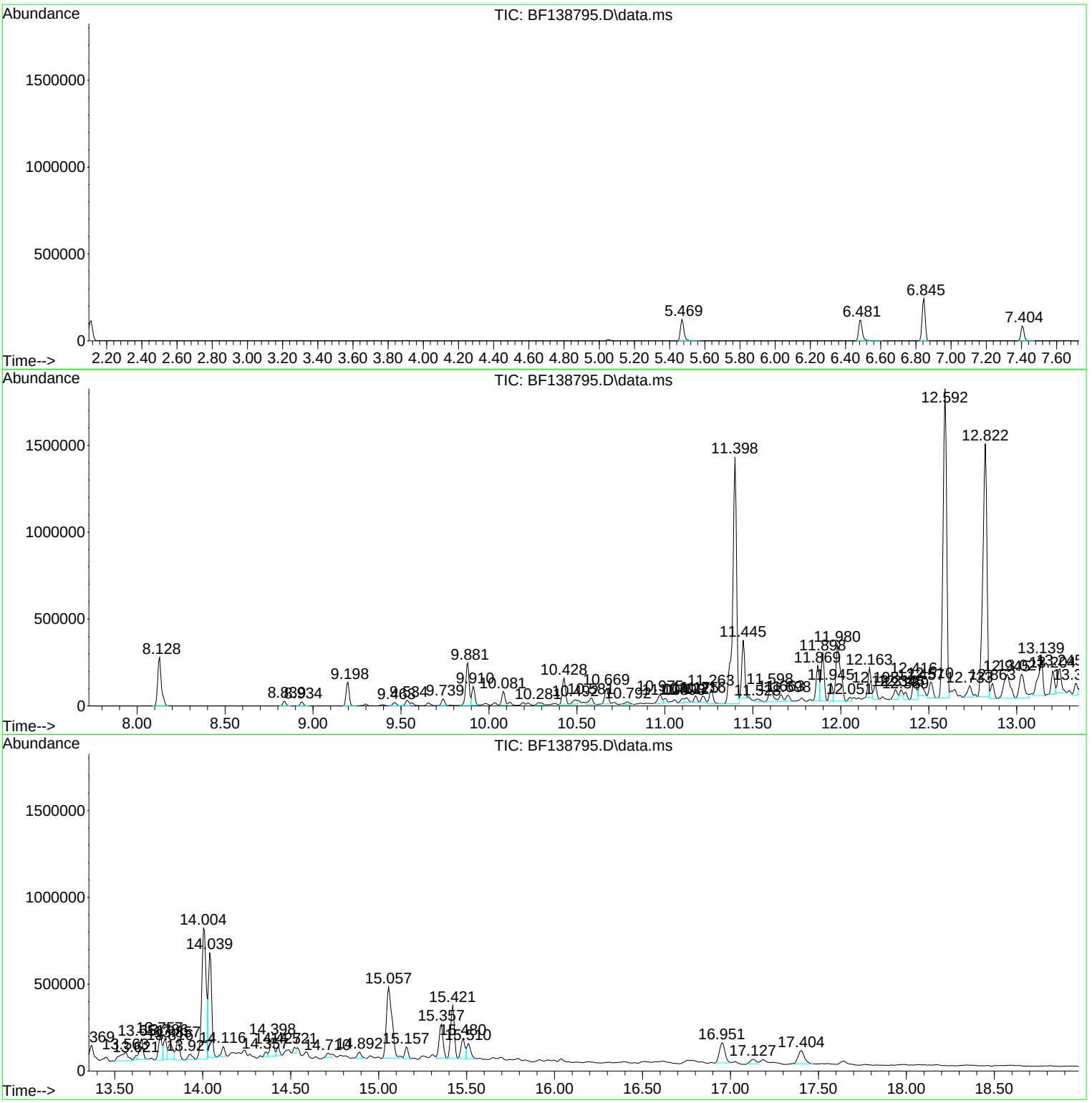
Sum of corrected areas: 21064417

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.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\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

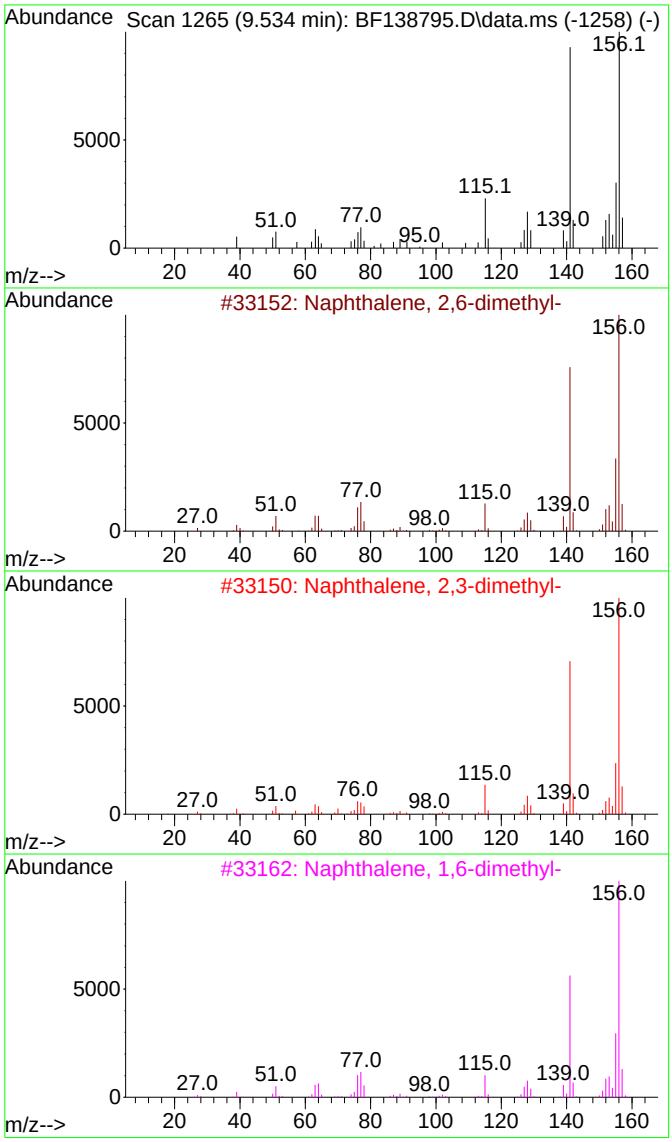
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

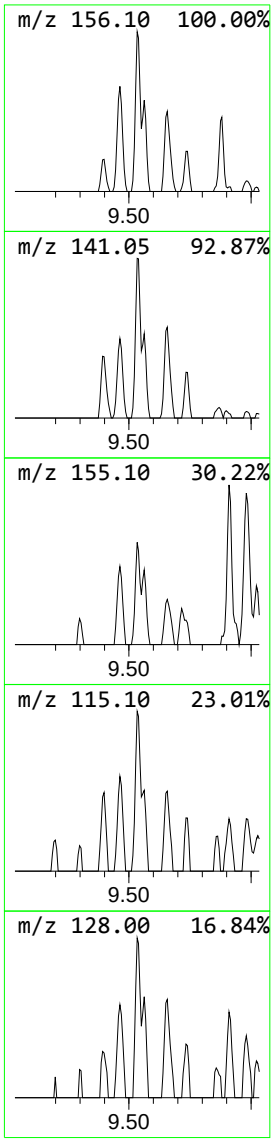
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.534	2.56 ng	43348	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

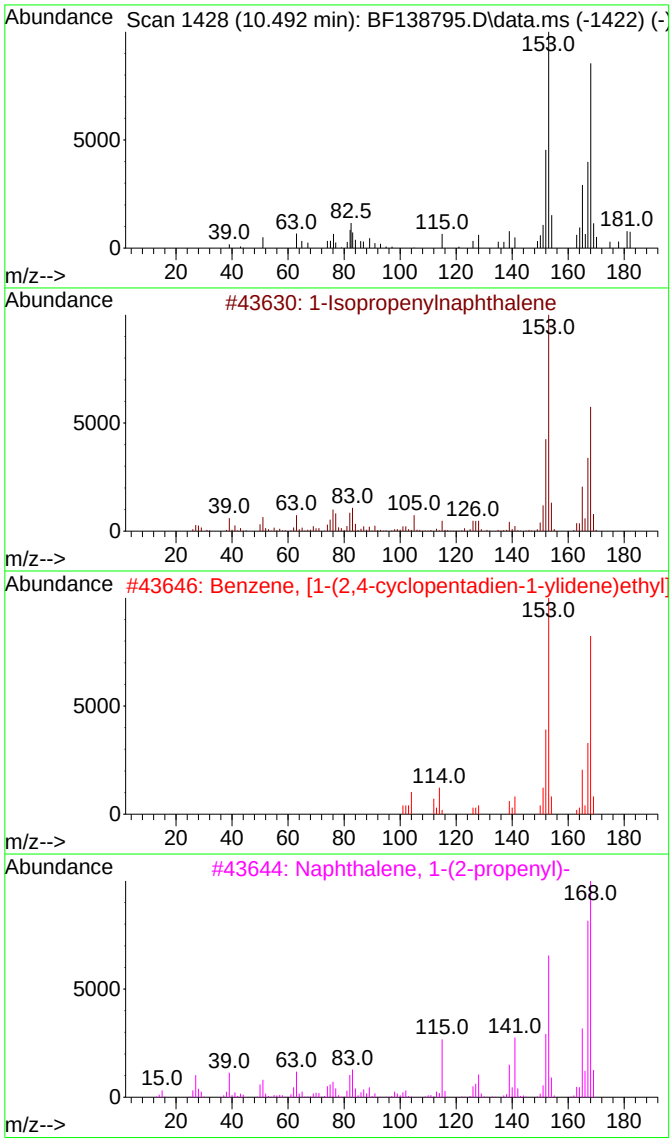
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

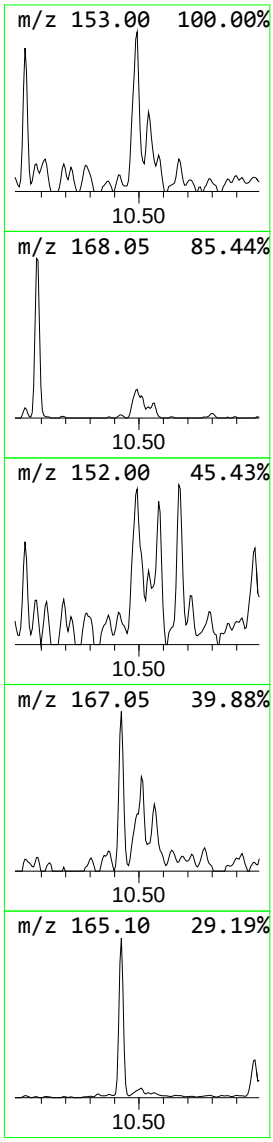
****

Peak Number 2 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.492	2.90 ng	49103	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	4-Methylthio-2,6-xylenol	168	C9H12OS	007379-49-9	49
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

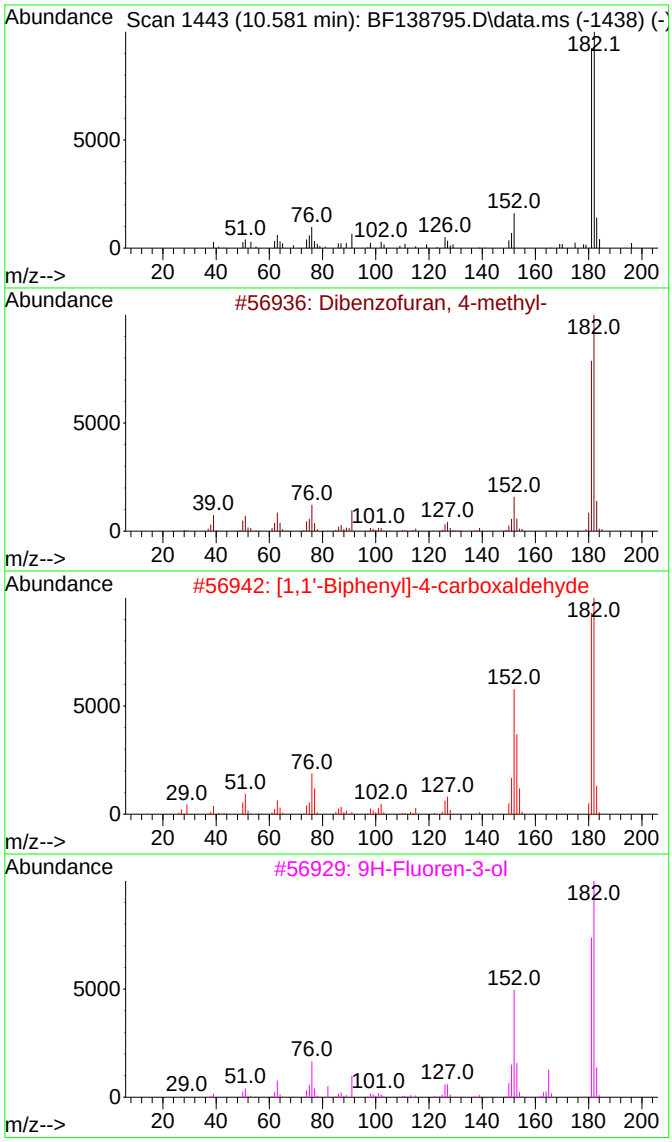
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

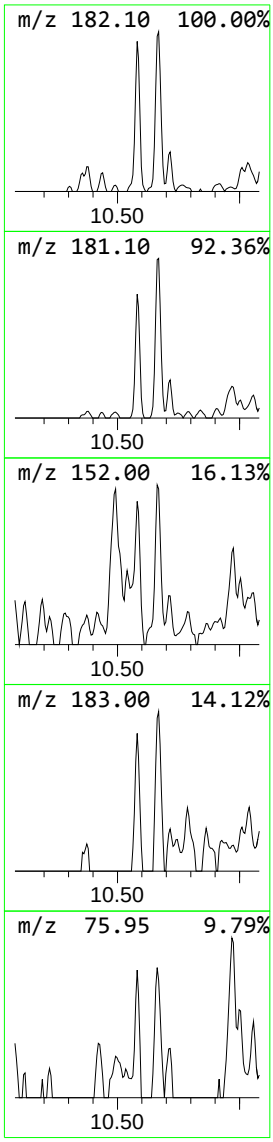
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.581	3.58 ng	60602	Acenaphthene-d10	9.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

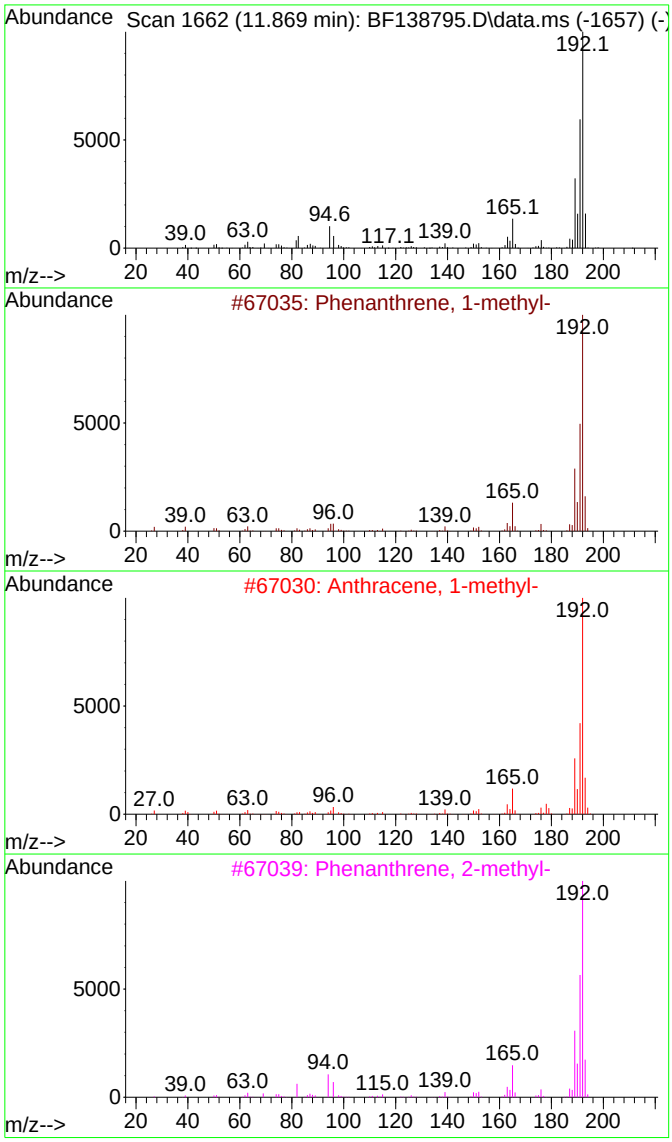
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

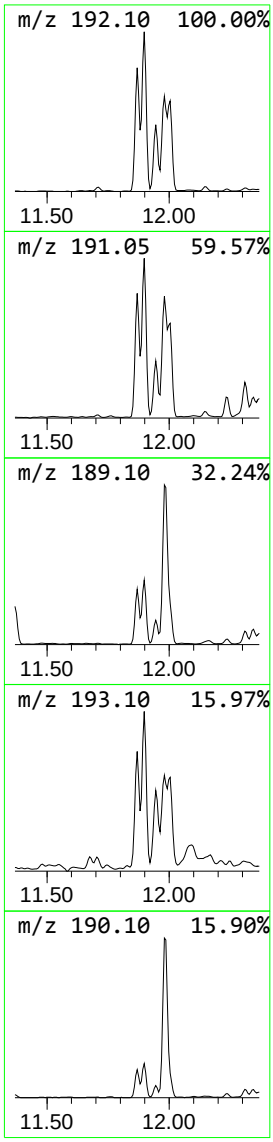
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	2.32 ng	254865	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

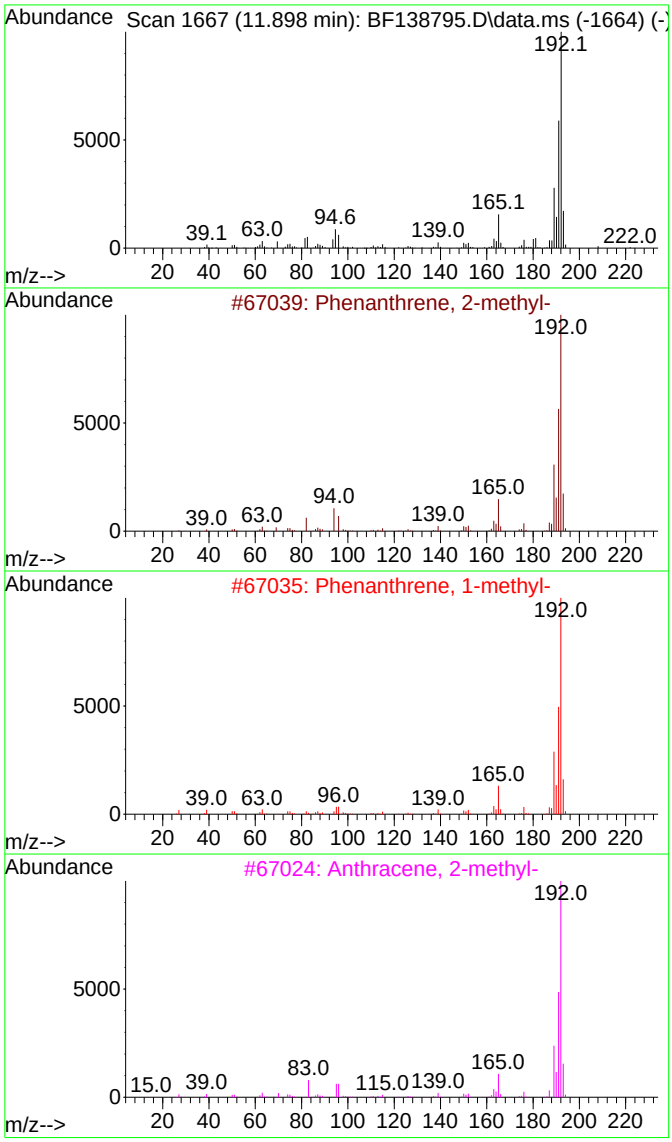
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

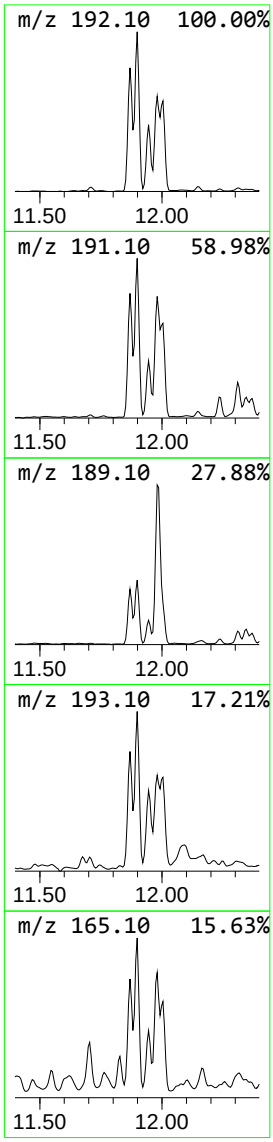
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	2.95 ng	323622	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

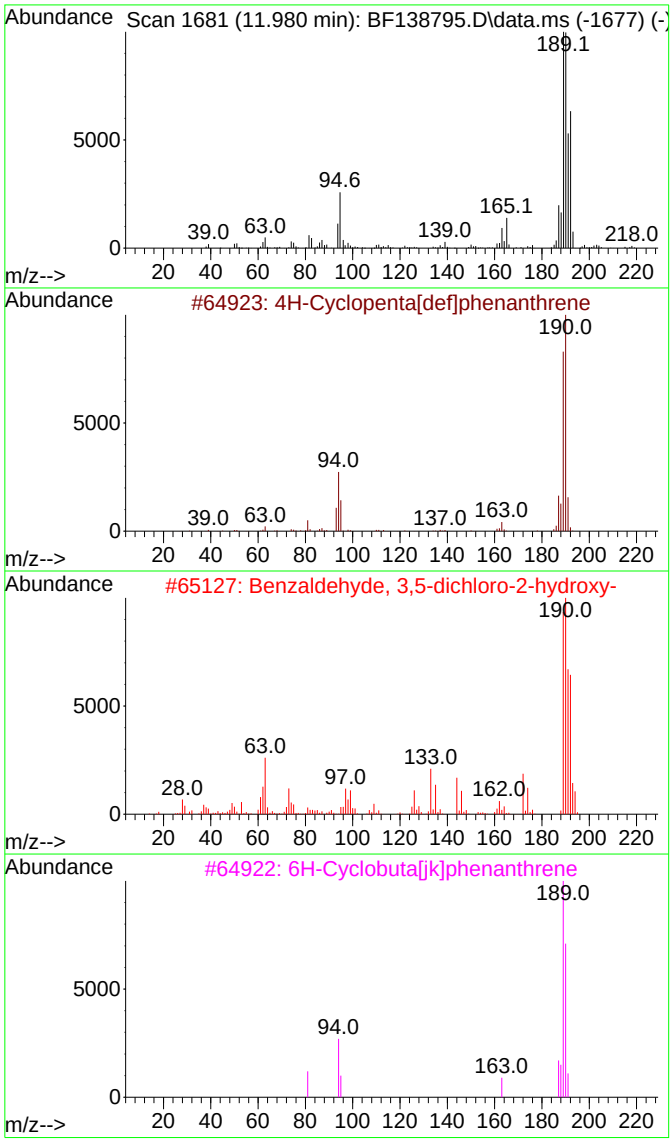
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

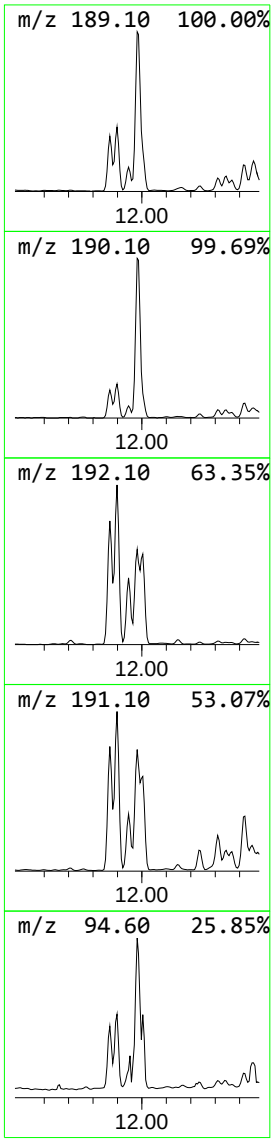
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	5.58 ng	612178	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

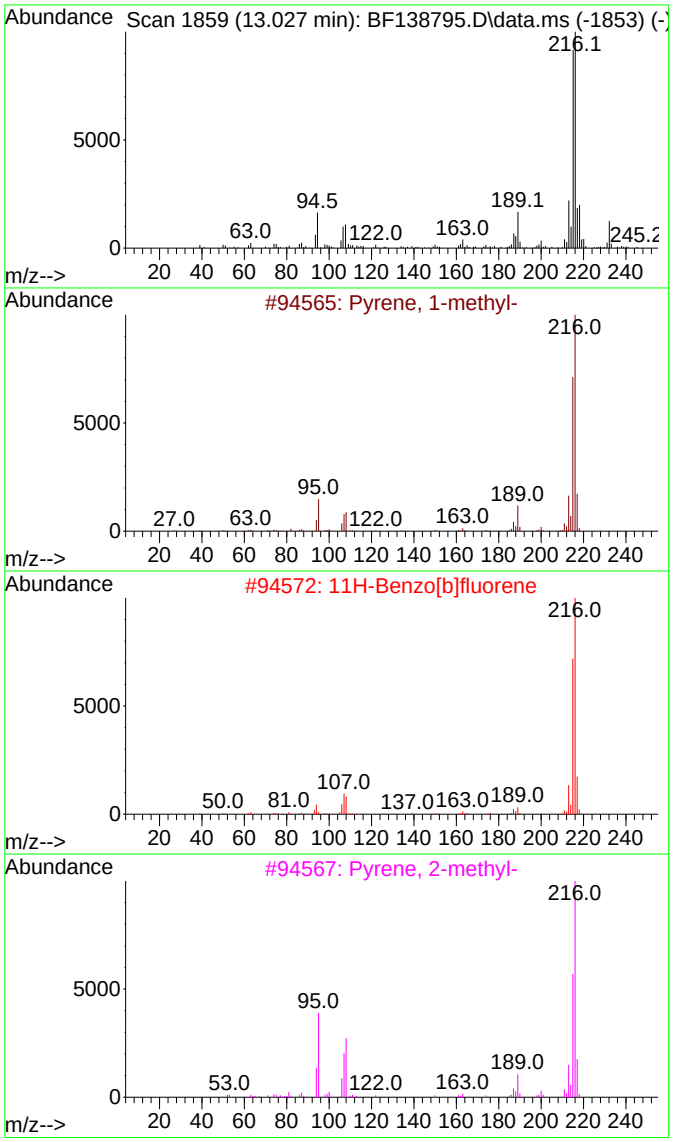
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

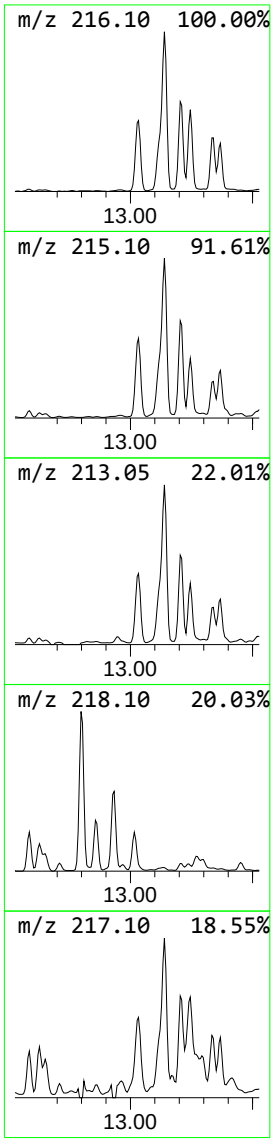
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.027	4.11 ng	280786	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

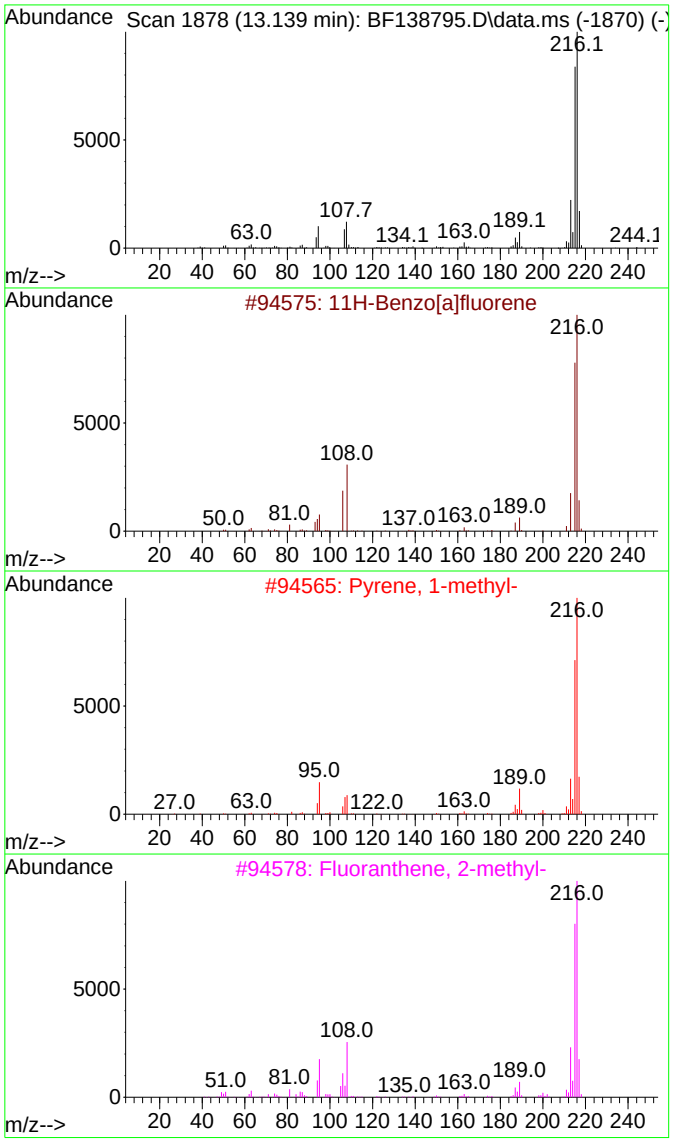
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

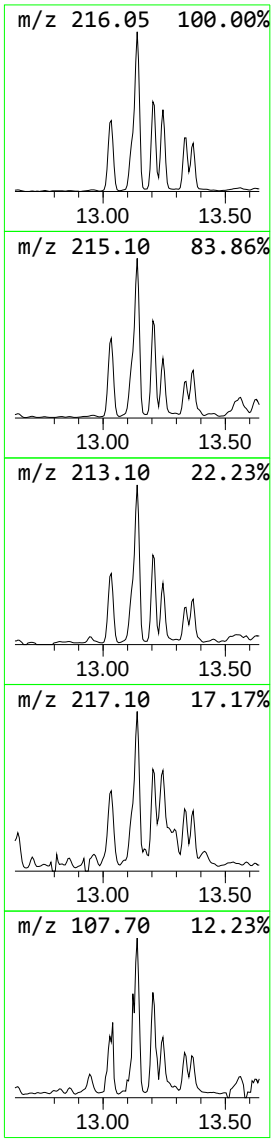
****

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	5.86 ng	400238	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

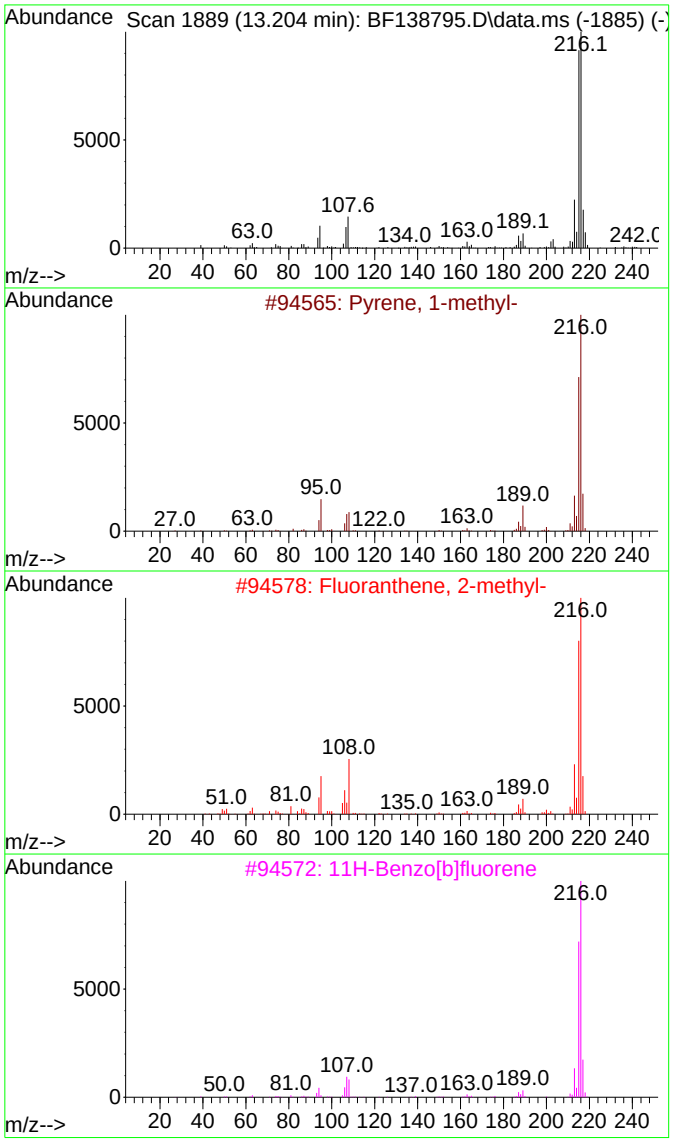
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

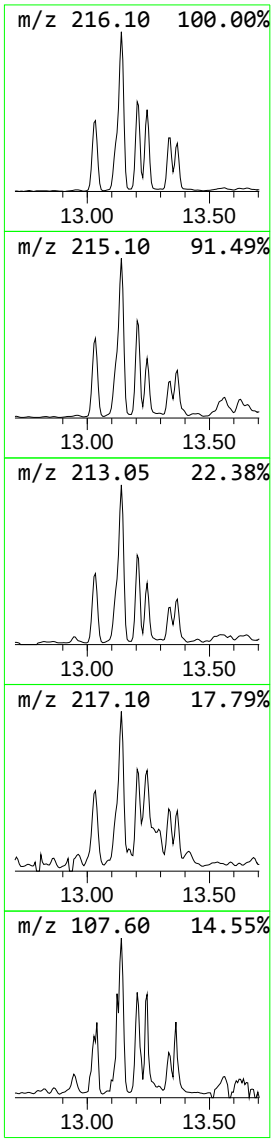
****

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	2.52 ng	171689	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

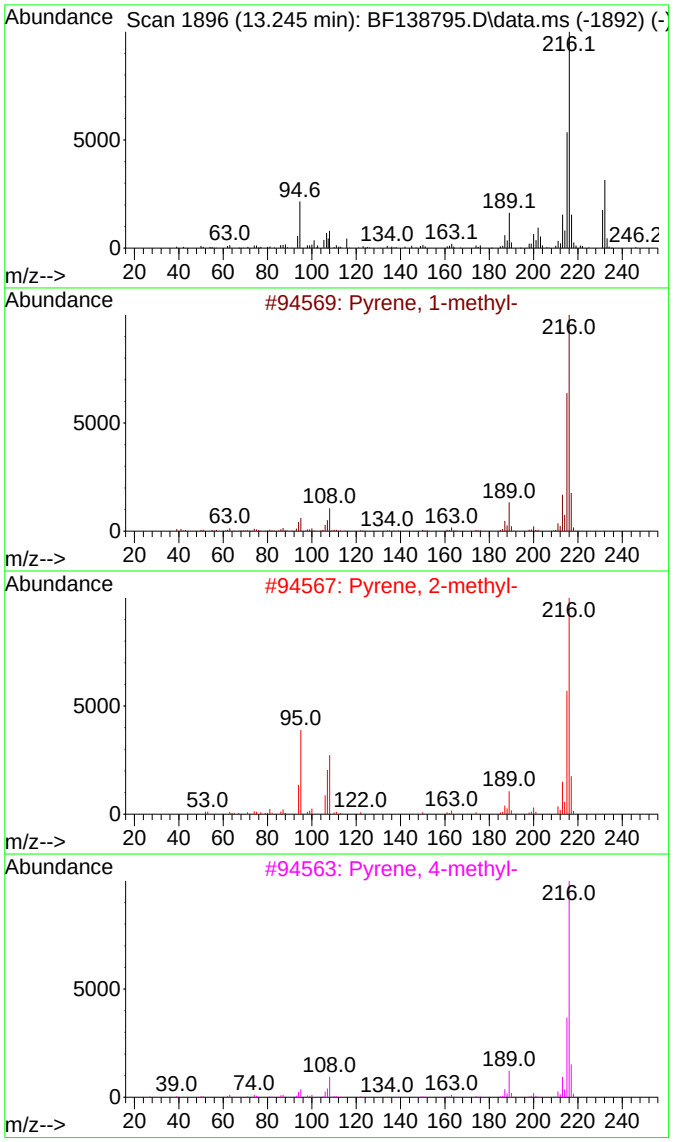
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

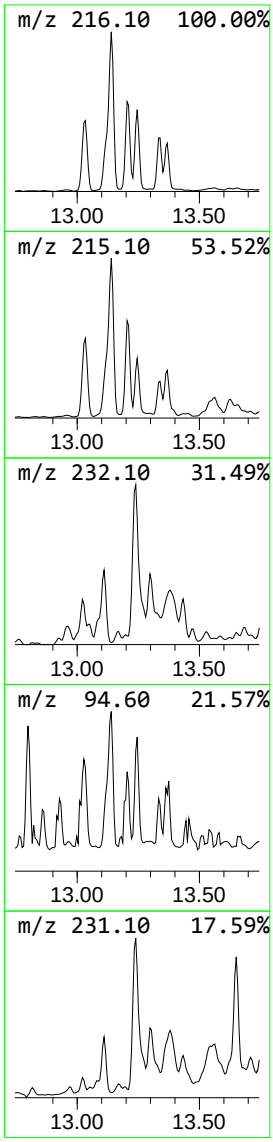
****

Peak Number 10 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	3.05 ng	208102	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

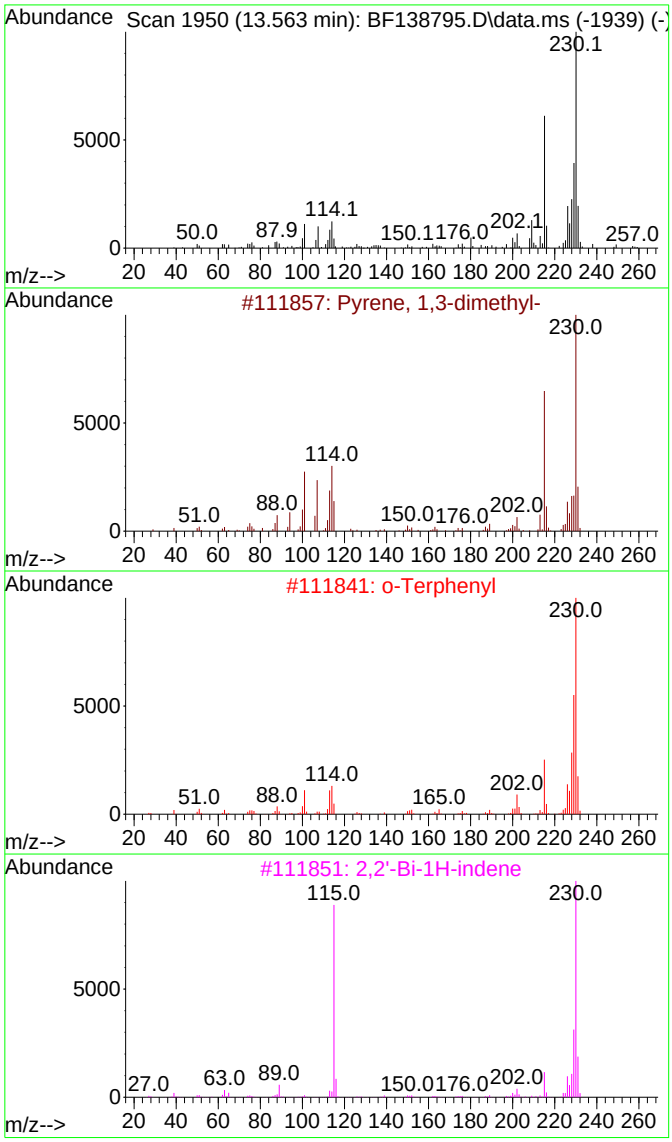
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

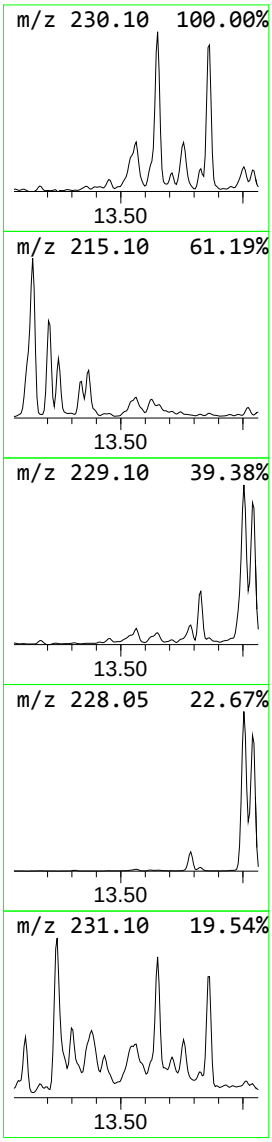
****

Peak Number 11 Pyrene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.563	2.34 ng	160050	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	95
2	o-Terphenyl	230	C18H14	000084-15-1	91
3	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	52
4	1,4-Diaminonaphthalene, TMS deri...	230	C13H18N2Si	1010364-96-4	49
5	4-(6-Methoxy-3-methyl-2-benzofur...	230	C14H14O3	010444-37-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

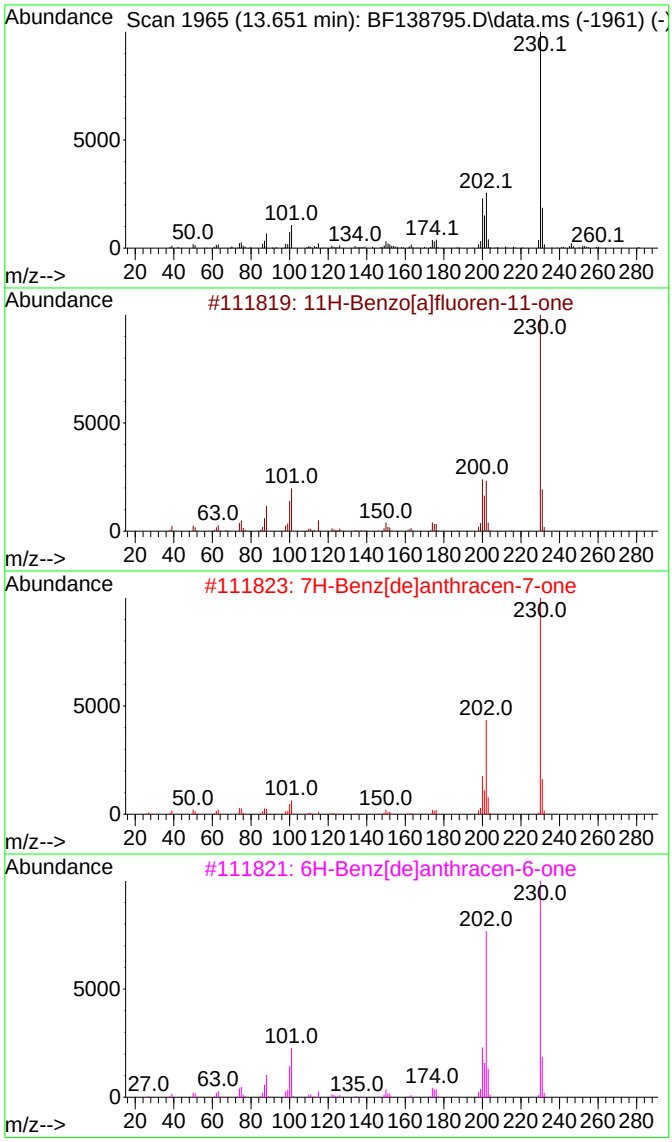
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

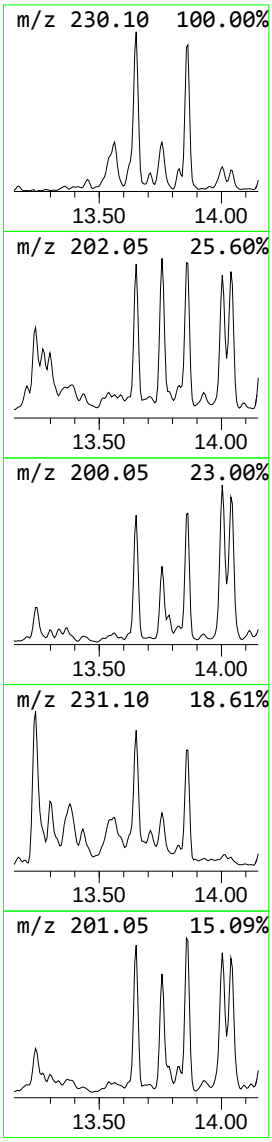
****

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	2.41 ng	164482	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

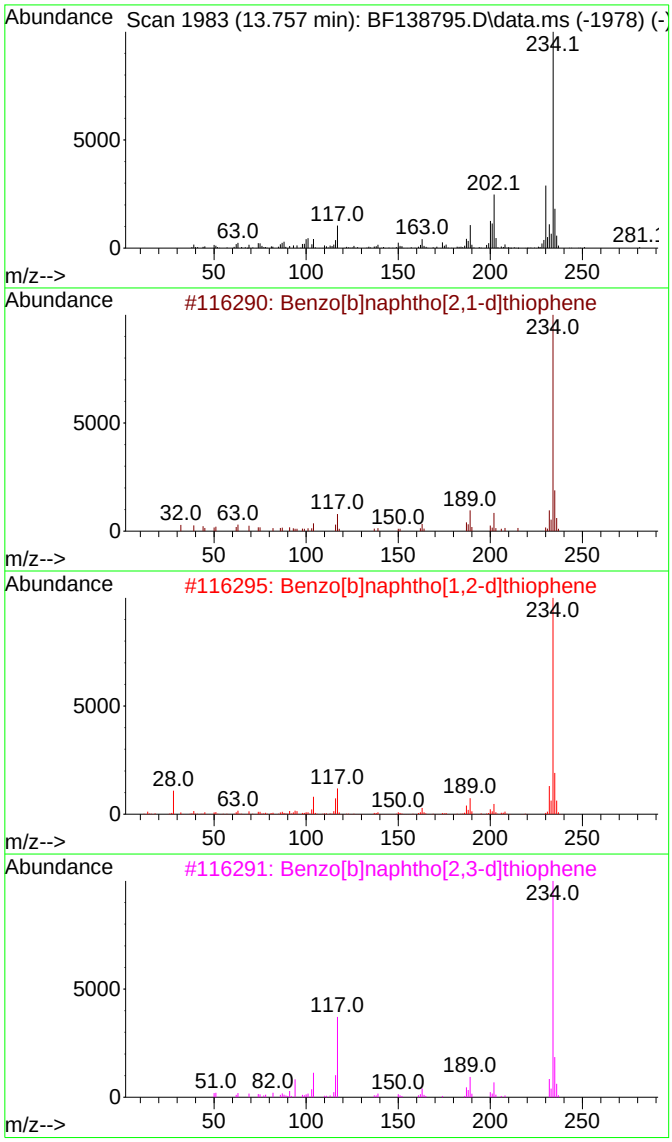
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

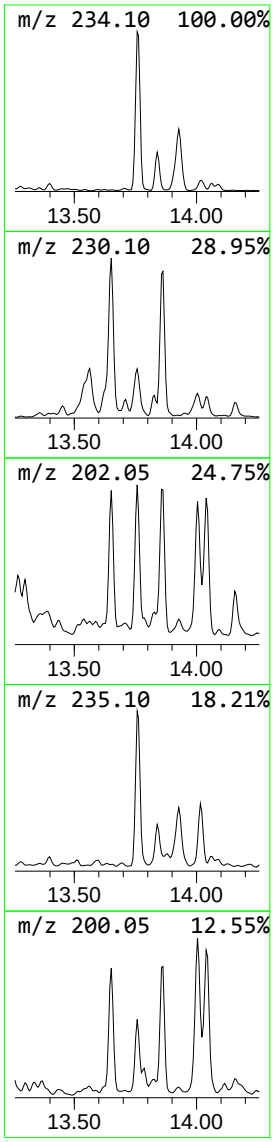
****

Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	3.12 ng	213042	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46
5	4-Pyridinamine, N-(1-naphthaleny...	234	C16H14N2	1000317-32-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

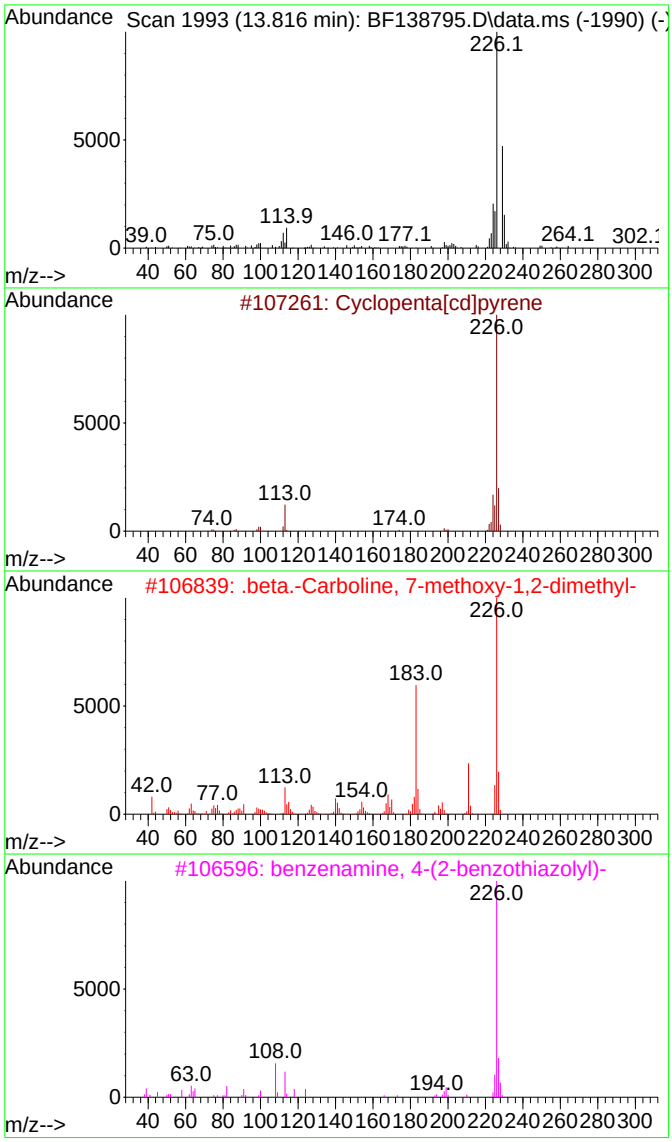
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

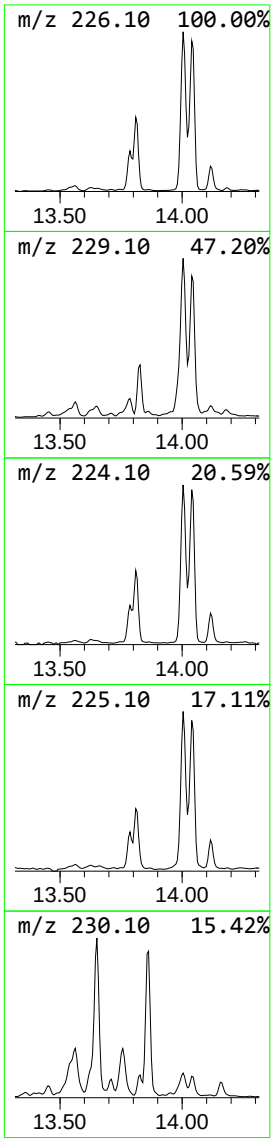
****

Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	2.45 ng	167324	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	25
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	23
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	10
5	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

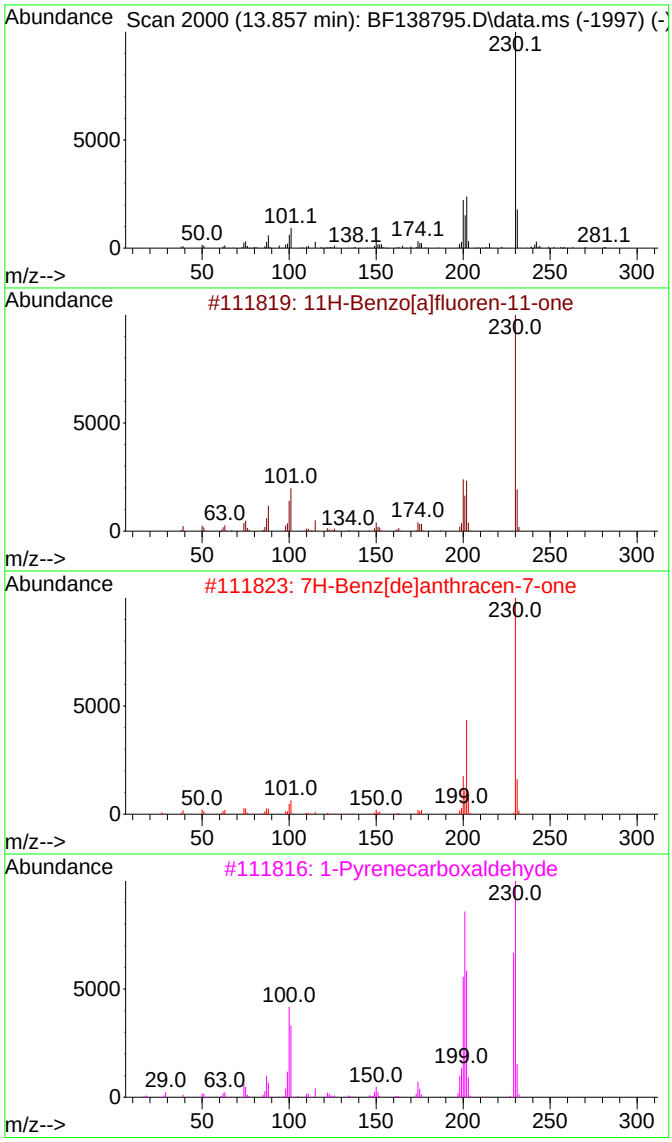
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

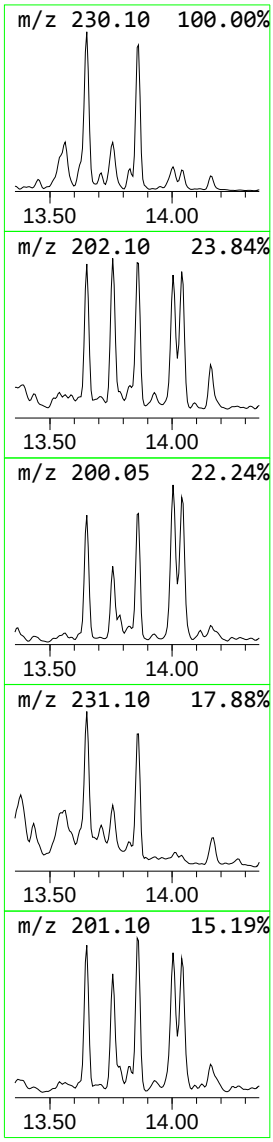
****

Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	2.38 ng	162338	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

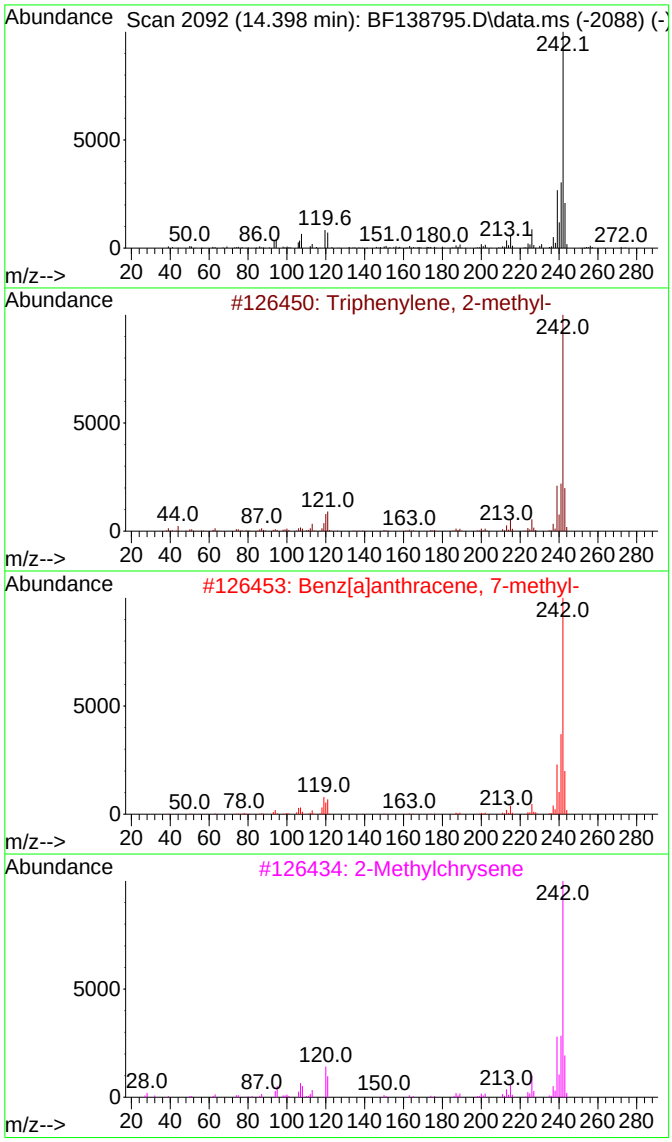
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

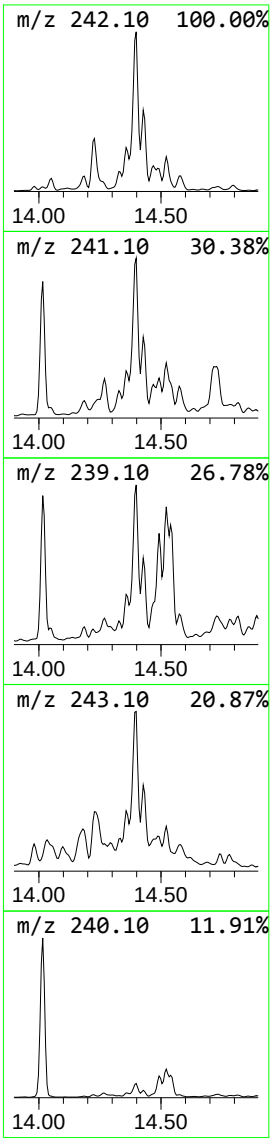
****

Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.398	2.26 ng	154427	Chrysene-d12	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

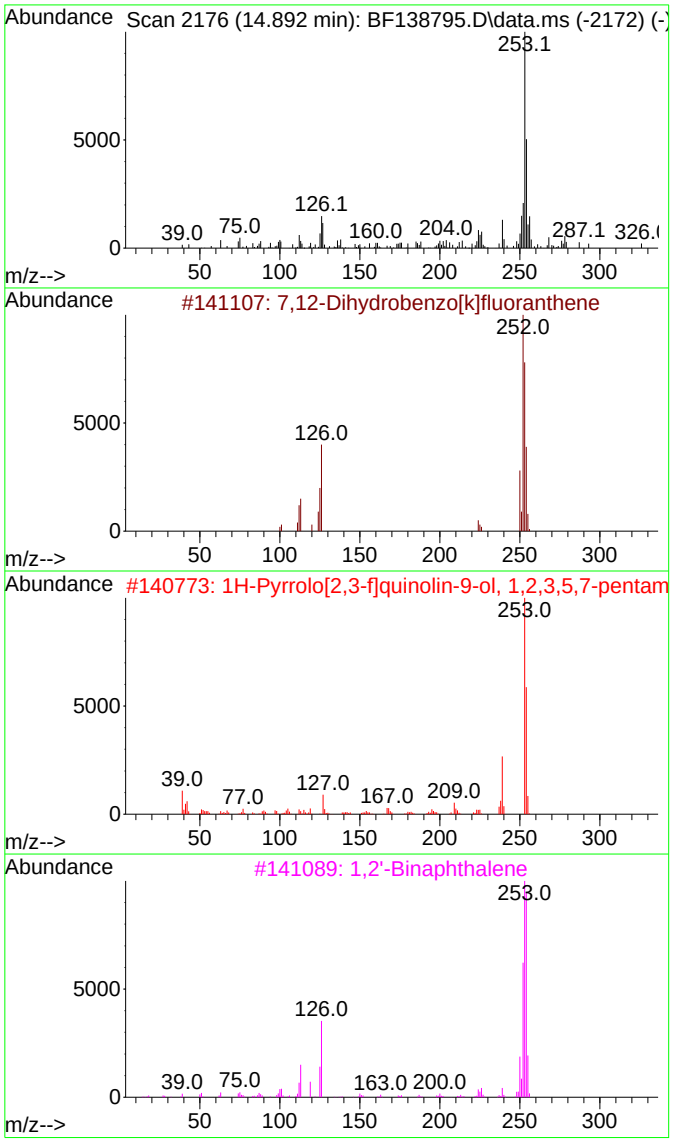
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

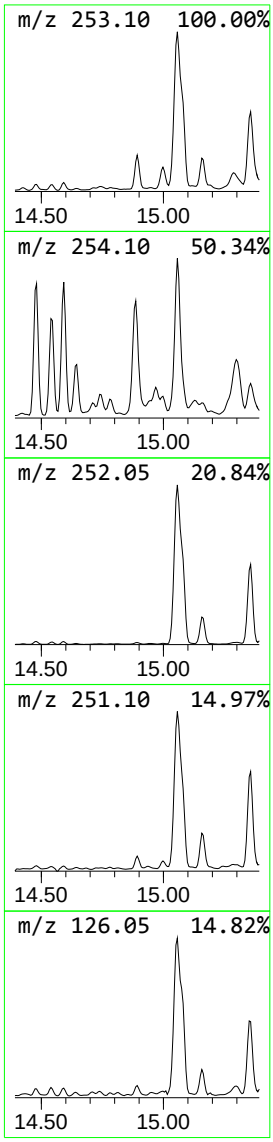
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	5.82 ng	55580	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	68
2	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	58
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	50
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	50
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

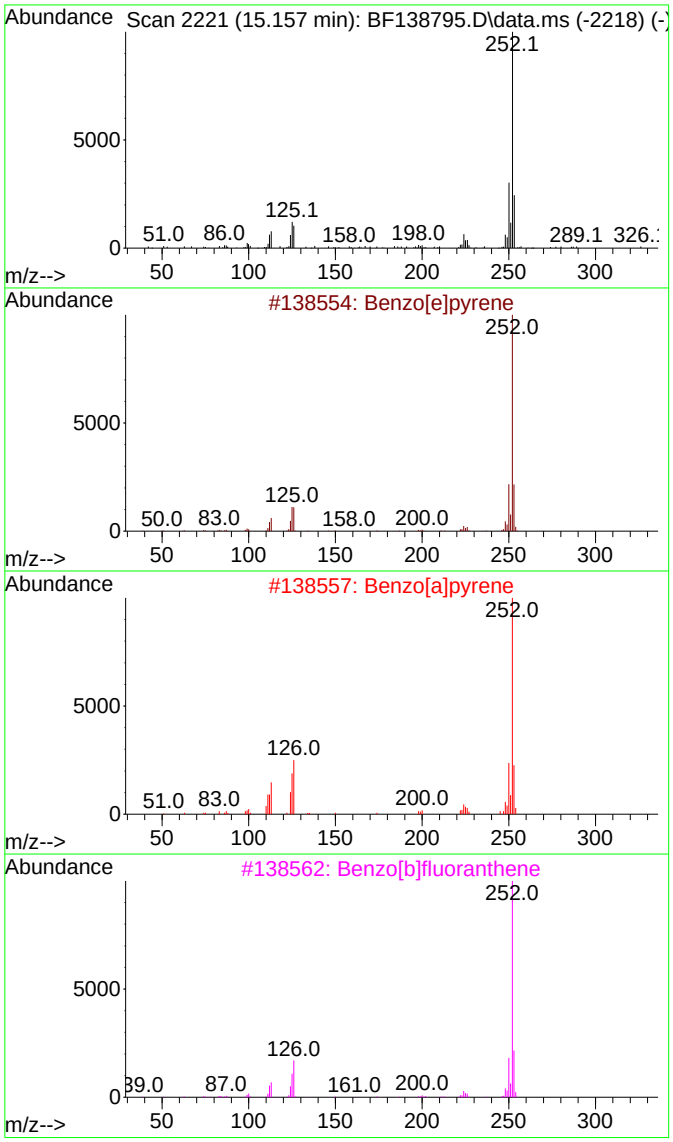
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

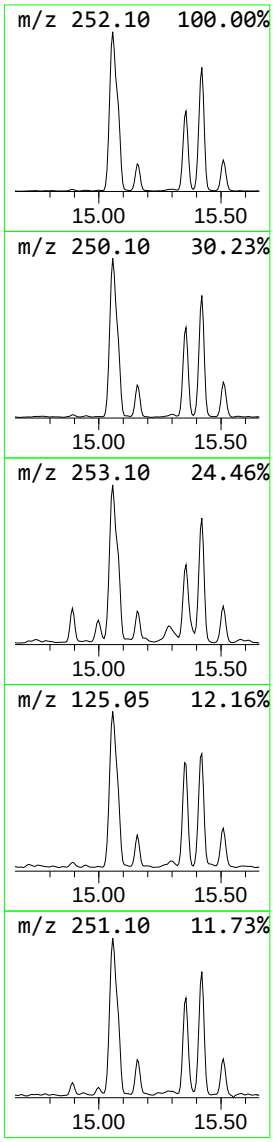
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	8.97 ng	85726	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

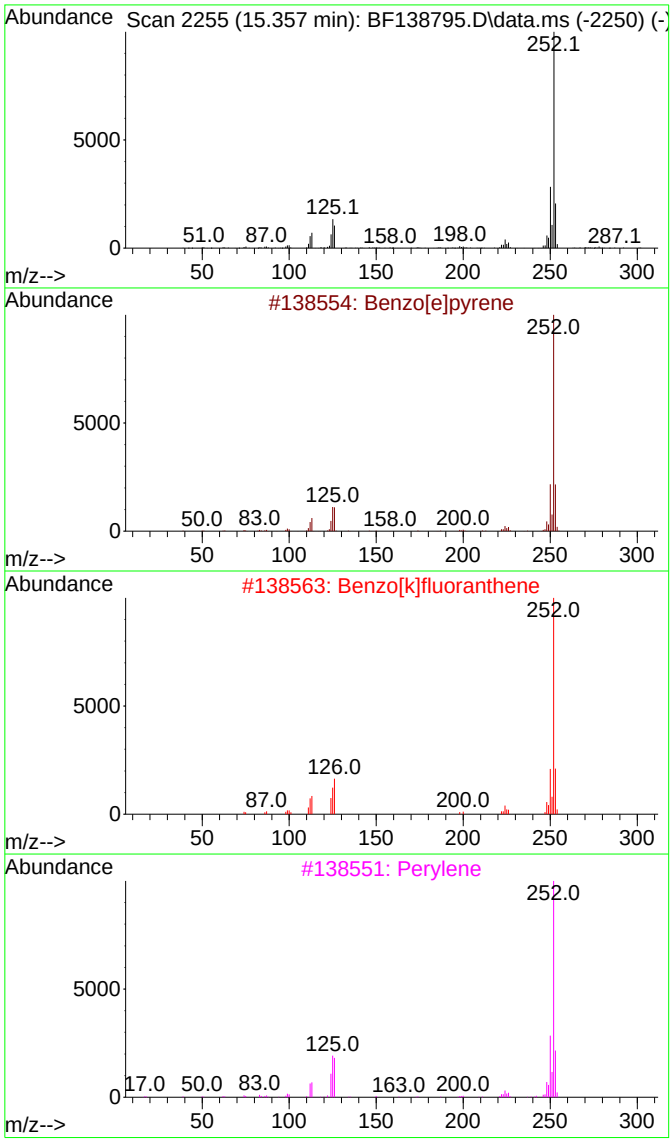
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

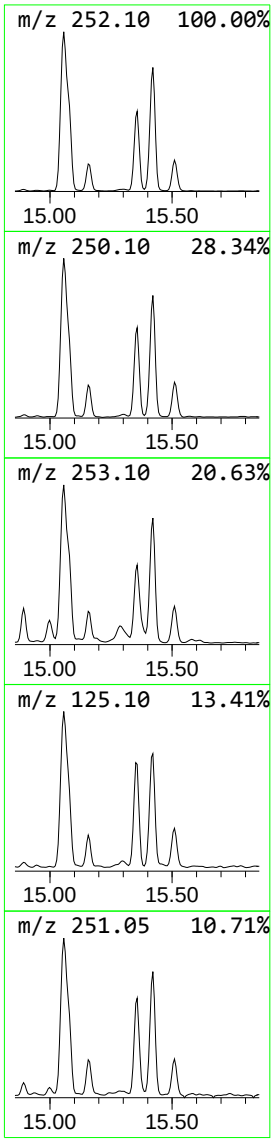
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.357	32.07 ng	306446	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

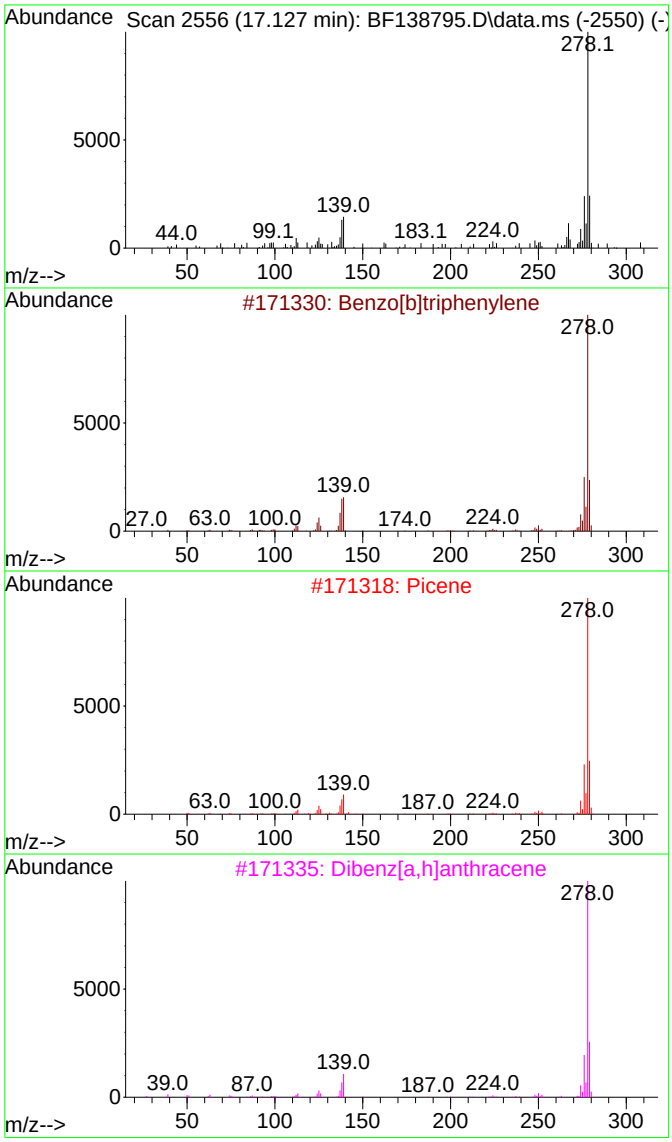
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

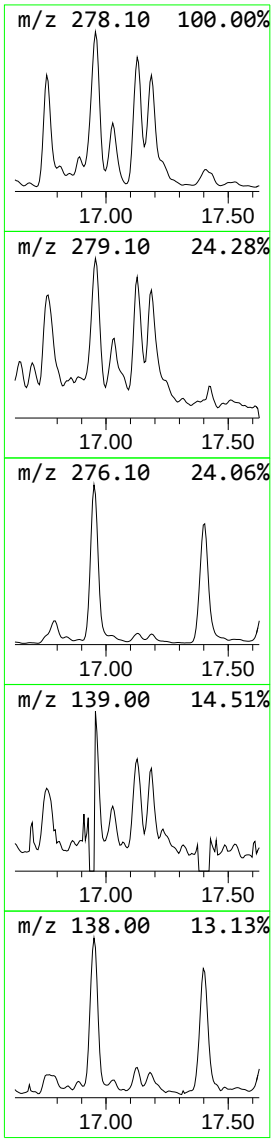
****

Peak Number 20 Benzo[b]triphenylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.127	7.06 ng	67463	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Picene	278	C22H14	000213-46-7	93
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
4	Benzo[b]chrysene	278	C22H14	000214-17-5	86
5	Pentaphene	278	C22H14	000222-93-5	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138795.D
Acq On : 05 Aug 2024 20:24
Operator : RC/JU
Sample : P3448-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.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
Naphthalene, 2,...	9.534	2.6	ng	43348	3	9.881	338491	20.0
1-Isopropenylna...	10.492	2.9	ng	49103	3	9.881	338491	20.0
Dibenzofuran, 4...	10.581	3.6	ng	60602	3	9.881	338491	20.0
Phenanthrene, 1...	11.869	2.3	ng	254865	4	11.369	2194110	20.0
Phenanthrene, 2...	11.898	3.0	ng	323622	4	11.369	2194110	20.0
4H-Cyclopenta[d...	11.980	5.6	ng	612178	4	11.369	2194110	20.0
Pyrene, 1-methyl-	13.027	4.1	ng	280786	5	14.016	1365100	20.0
11H-Benzo[a]flu...	13.139	5.9	ng	400238	5	14.016	1365100	20.0
Fluoranthene, 2...	13.204	2.5	ng	171689	5	14.016	1365100	20.0
Pyrene, 2-methyl-	13.245	3.0	ng	208102	5	14.016	1365100	20.0
Pyrene, 1,3-dim...	13.563	2.3	ng	160050	5	14.016	1365100	20.0
11H-Benzo[a]flu...	13.651	2.4	ng	164482	5	14.016	1365100	20.0
Benzo[b]naphtho...	13.757	3.1	ng	213042	5	14.016	1365100	20.0
Cyclopenta[cd]p...	13.816	2.5	ng	167324	5	14.016	1365100	20.0
7H-Benz[de]anth...	13.857	2.4	ng	162338	5	14.016	1365100	20.0
Triphenylene, 2...	14.398	2.3	ng	154427	5	14.016	1365100	20.0
7,12-Dihydroben...	14.892	5.8	ng	55580	6	15.480	191122	20.0
Benzo[e]pyrene	15.157	9.0	ng	85726	6	15.480	191122	20.0
Perylene	15.357	32.1	ng	306446	6	15.480	191122	20.0
Benzo[b]triphen...	17.127	7.1	ng	67463	6	15.480	191122	20.0