LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

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-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140283.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	9	21	rVB	919223	1477533	41.89%	3.081%
2	2.252	22	27	42	rVB	35393	64455	1.83%	0.134%
3	5.098	504	511	519	rVB	99495	153717	4.36%	0.321%
4	5.493	572	578	584	rBV	2166505	2935400	83.22%	6.121%
5	6.498	743	749	761	rBV	2135764	2946971	83.54%	6.145%
6	6.875	808	813	819	rVB	571904	708742	20.09%	1.478%
7	7.434	898	908	918	rBV	1413456	1934200	54.83%	4.033%
8	7.687	947	951	958	rVB	36687	48328	1.37%	0.101%
9	8.157	1024	1031	1039	rBV2	674347	1018437	28.87%	2.124%
10	8.869	1147	1152	1157	rVB	66550	80573	2.28%	0.168%
11	8.969	1164	1169	1173	rBV	52331	65963	1.87%	0.138%
12	9.234	1208	1214	1219	rBV	2442927	3059633	86.74%	6.380%
13	9.498	1253	1259	1264	rBV	36110	59860	1.70%	0.125%
14	9.569	1266	1271	1274	rBV	57636	82572	2.34%	0.172%
15	9.686	1287	1291	1298	rVB2	26579	41496	1.18%	0.087%
16	9.775	1301	1306	1312	rBV	80390	104100	2.95%	0.217%
17	9.916	1322	1330	1333	rBV	613220	823098	23.33%	1.716%
18	9.945	1333	1335	1339	rVB	185003	194207	5.51%	0.405%
19	10.069	1352	1356	1360	rBV2	23401	35611	1.01%	0.074%
20	10.116	1360	1364	1368	rVV	126173	165735	4.70%	0.346%
21	10.228	1379	1383	1386	rBV2	27297	37769	1.07%	0.079%
22	10.339	1394	1402	1406	rBV4	38372	84051	2.38%	0.175%
23	10.463	1418	1423	1428	rVB	187880	241158	6.84%	0.503%
24	10.528	1428	1434	1436	rBV	33572	62594	1.77%	0.131%
25	10.628	1446	1451	1456	rVB2	188683	265368	7.52%	0.553%
26	10.704	1458	1464	1469	rBV	1227751	1574783	44.64%	3.284%
27	10.822	1479	1484	1491	rVB3	54892	103838	2.94%	0.217%
28	11.010	1509	1516	1519	rBV3	60755	112045	3.18%	0.234%
29	11.139	1533	1538	1540	rBV2	35660	54572	1.55%	0.114%
30	11.210	1546	1550	1554	rVB	76251	95488	2.71%	0.199%
31	11.263	1554	1559	1562	rVV3	65837	115834	3.28%	0.242%
32	11.298	1562	1565	1571	rVB	114739	156221	4.43%	0.326%
33	11.404	1578	1583	1584	rBV	569002	617992	17.52%	1.289%
34	11.427	1584	1587	1592	rVV	1688870	2315058	65.63%	4.827%
35	11.480	1592	1596	1600	rVV	400734	532045	15.08%	1.109%
36	11.510	1600	1601	1607	rVB	56137	58482	1.66%	0.122%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

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-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.633	1616	1622	1629	rBV2	187756	322797	9.15%	0.673%
38	11.698	1630	1633	1636	rVV2	56674	77431	2.20%	0.161%
39	11.733	1636	1639	1645	rVB3	44401	67945	1.93%	0.142%
40	11.910	1663	1669	1670	rVV	235780	313676	8.89%	0.654%
41	11.933	1670	1673	1678	rVV	486256	654639	18.56%	1.365%
42	11.980	1678	1681	1684	rVV	122201	162290	4.60%	0.338%
43	12.022	1684	1688	1696	rVB2	422155	779796	22.11%	1.626%
44	12.104	1696	1702	1706	rBV4	52212	115921	3.29%	0.242%
45	12.204	1715	1719	1721	rBV	160187	217093	6.15%	0.453%
46	12.227	1721	1723	1728	rVB2	162438	173670	4.92%	0.362%
47	12.351	1740	1744	1747	rBV2	67505	91811	2.60%	0.191%
48	12.380	1747	1749	1752	rBV	33037	38900	1.10%	0.081%
49	12.457	1758	1762	1766	rBV	159009	253019	7.17%	0.528%
50	12.498	1766	1769	1774	rVV3	109791	196739	5.58%	0.410%
51	12.545	1774	1777	1782	rVB2	136152	183144	5.19%	0.382%
52	12.627	1785	1791	1795	rBV	2449053	3277490	92.91%	6.834%
53	12.680	1795	1800	1803	rVV2	43472	84248	2.39%	0.176%
54	12.716	1803	1806	1809	rVV	70529	75616	2.14%	0.158%
55	12.857	1822	1830	1835	rBV	2226972	3527420	100.00%	7.355%
56	12.898	1835	1837	1843	rVB2	123153	168024	4.76%	0.350%
57	12.992	1845	1853	1860	rBV	2151520	3129828	88.73%	6.526%
58	13.069	1861	1866	1870	rBV3	208355	389638	11.05%	0.812%
59	13.180	1877	1885	1889	rVB	320819	606708	17.20%	1.265%
60	13.245	1893	1896	1899	rVV	194347	240519	6.82%	0.502%
61	13.280	1899	1902	1910	rVB3	242264	395159	11.20%	0.824%
62	13.374	1915	1918	1921	rBV	113877	140952	4.00%	0.294%
63	13.410	1921	1924	1927	rVB2	99776	117316	3.33%	0.245%
64	13.686	1968	1971	1976	rVB	180014	238279	6.76%	0.497%
65	13.798	1986	1990	1993	rBV2	207922	333336	9.45%	0.695%
66	13.827	1993	1995	1997	rVV	89190	96232	2.73%	0.201%
67	13.898	2004	2007	2015	rVB2	233553	349172	9.90%	0.728%
68	14.045	2026	2032	2036	rBV2	1419146	2579249	73.12%	5.378%
69	14.080	2036	2038	2044	rVB	995638	1137702	32.25%	2.372%
70	14.157	2049	2051	2055	rVB	129650	148735	4.22%	0.310%
71	14.439	2096	2099	2102	rVB	143360	162812	4.62%	0.339%
72	15.104	2207	2212	2221	rBV	740856	1732103	49.10%	3.612%
73	15.415	2261	2265	2270	rVB	375081	603375	17.11%	1.258%
74	15.474	2271	2275	2281	rVB	565739	865857	24.55%	1.805%
75	15.539	2282	2286	2289	rBV	255579	406645	11.53%	0.848%
76	17.045	2537	2542	2552	rVB2	258883	583626	16.55%	1.217%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

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-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	17.504	2615	2620	2637	rVB	192481	490182	13.90%	1.022%

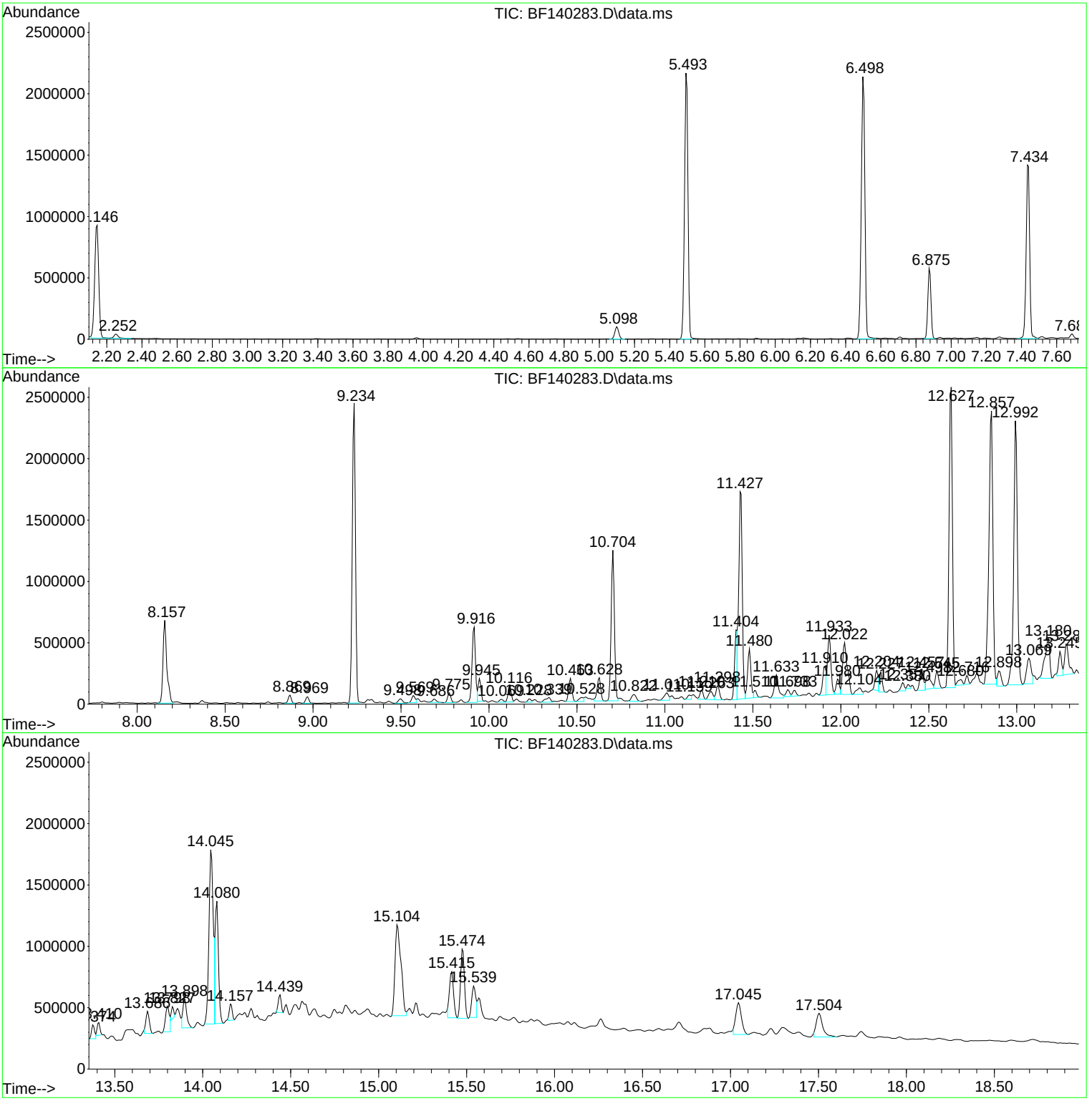
Sum of corrected areas: 47957023

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.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\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

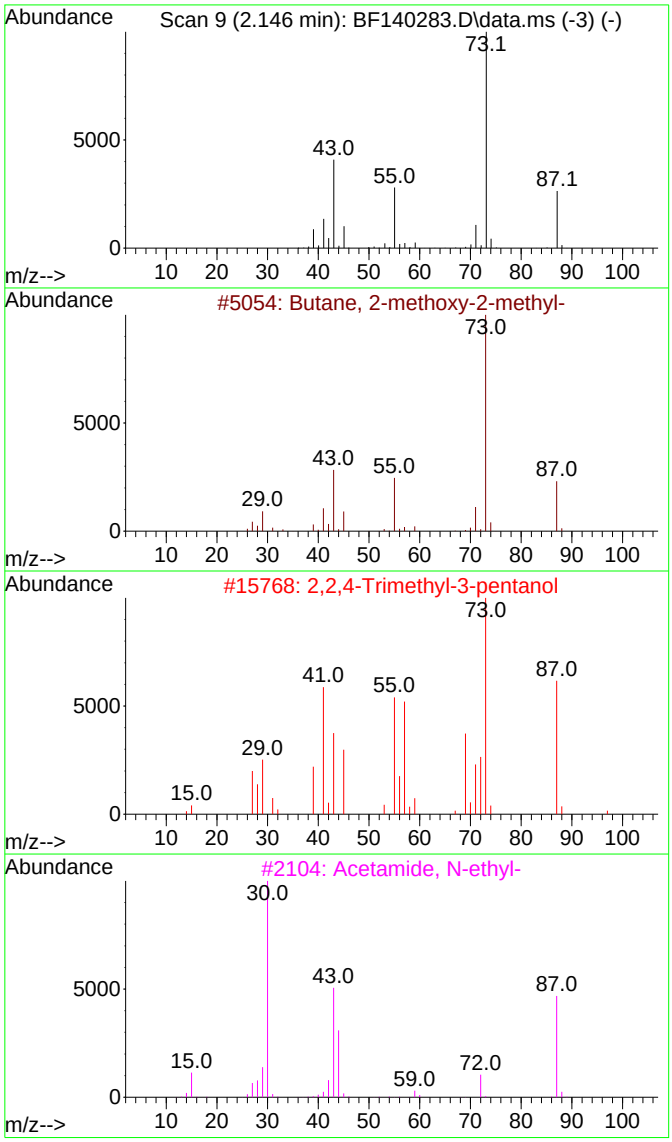
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

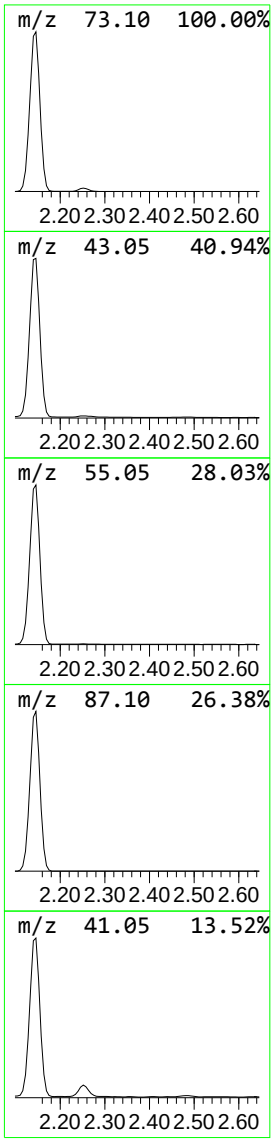
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.146	41.69 ng	1477530	1,4-Dichlorobenzene-d4	6.875

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

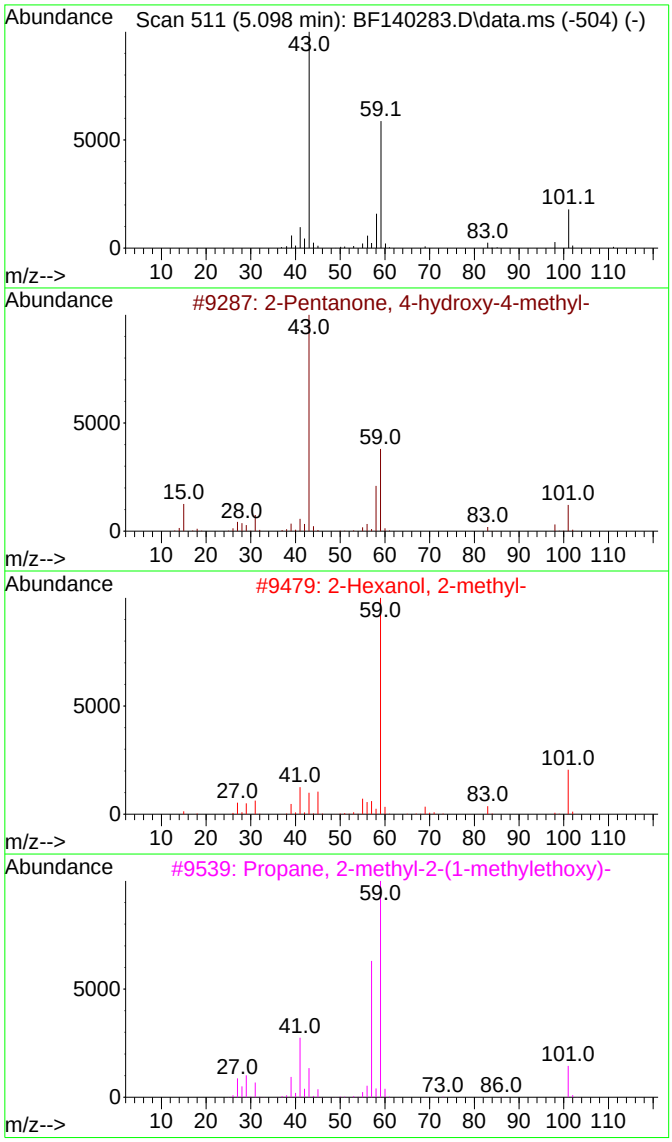
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

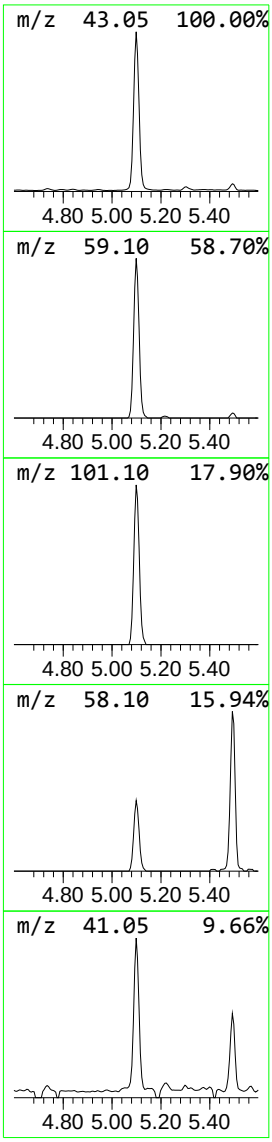
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	4.34 ng	153717	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	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	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

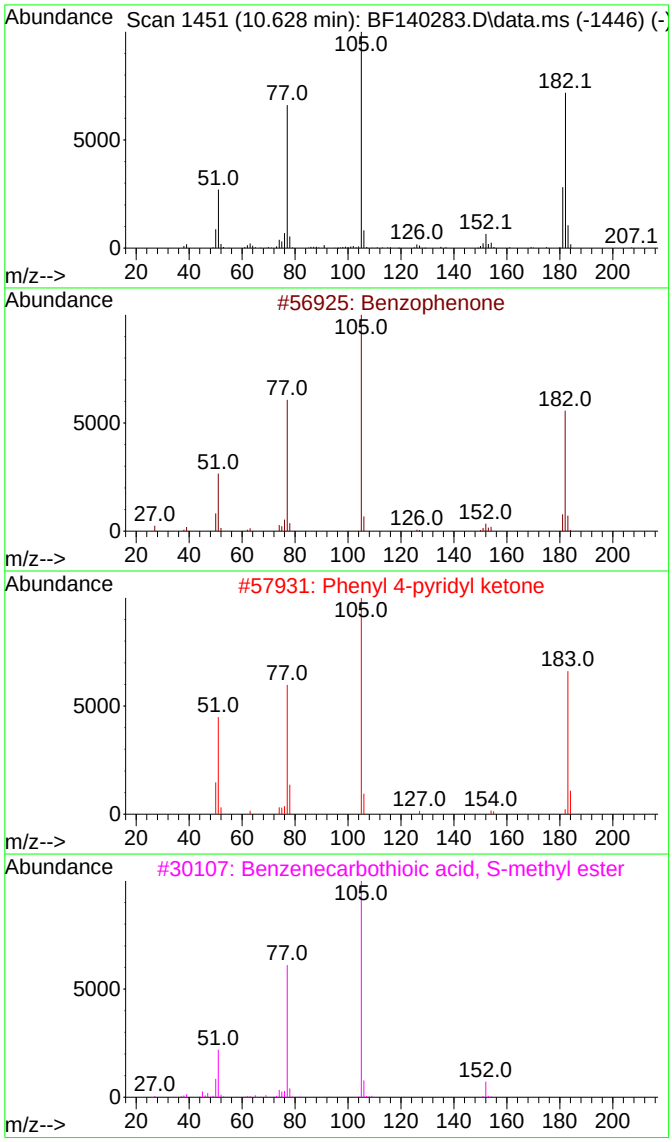
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

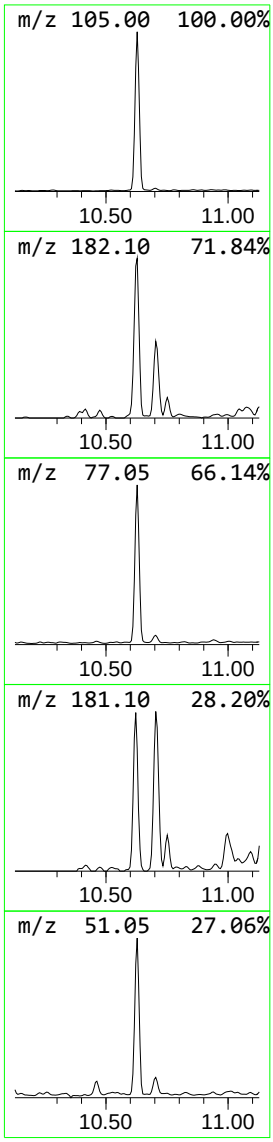
****

Peak Number 3 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	6.45 ng	265368	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	43
5	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

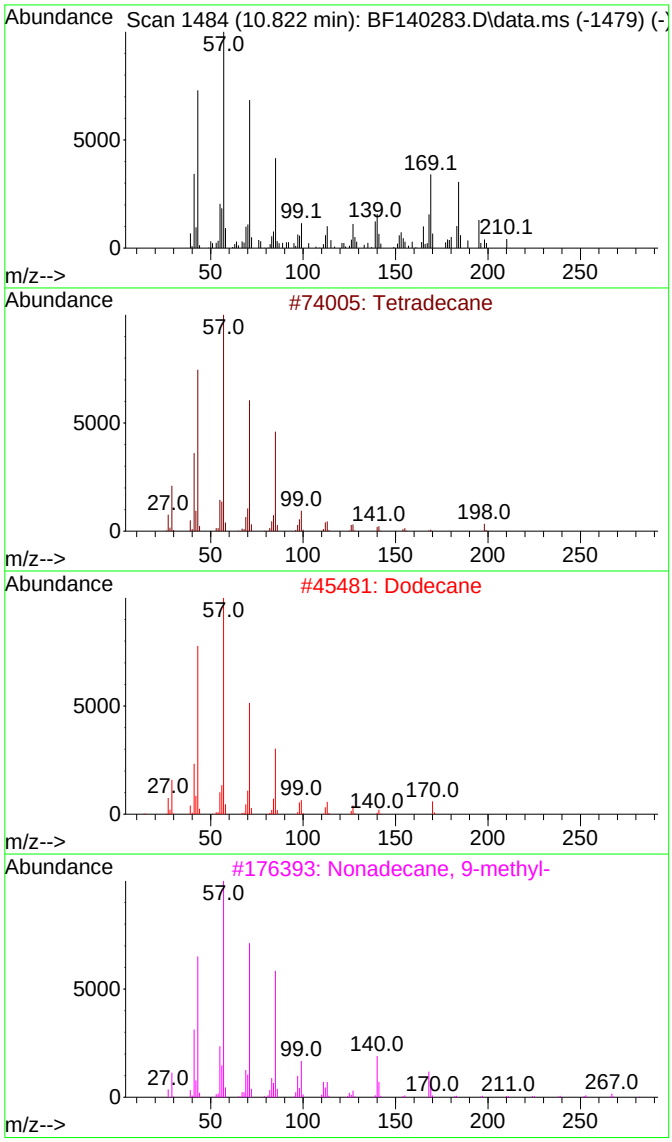
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

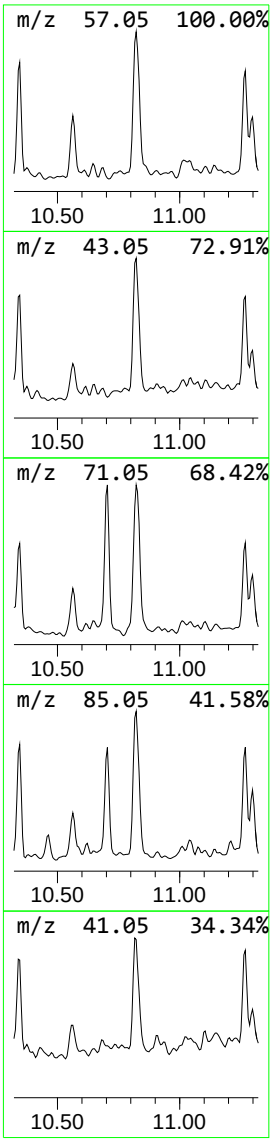
****

Peak Number 4 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	3.36 ng	103838	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Dodecane	170	C12H26	000112-40-3	86
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	46
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	46
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

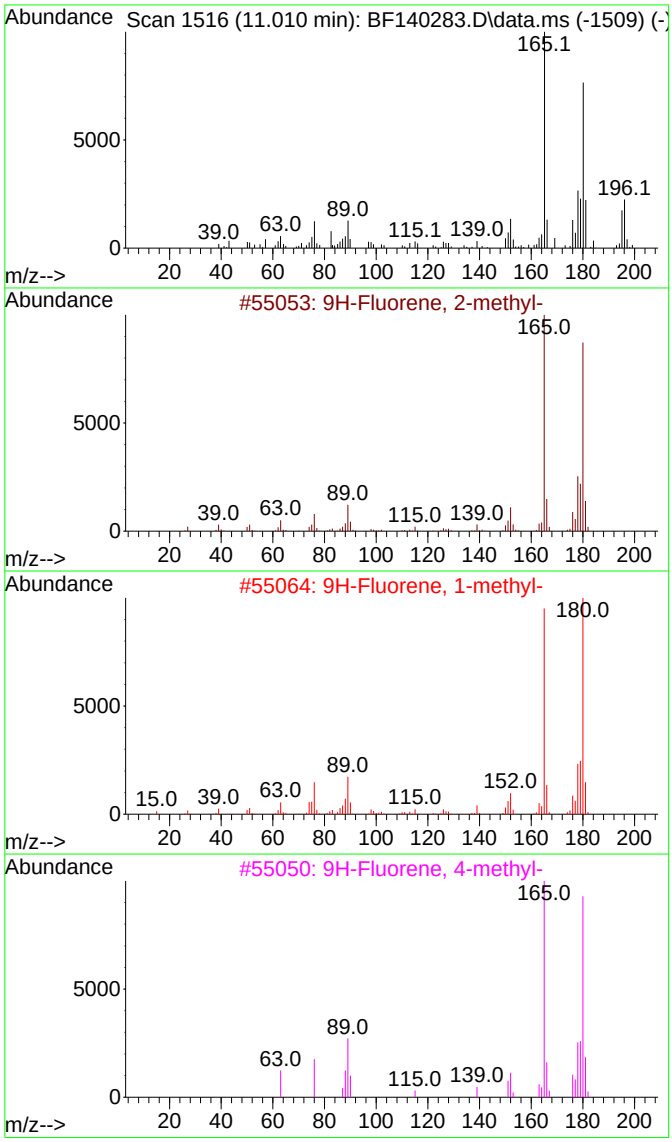
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

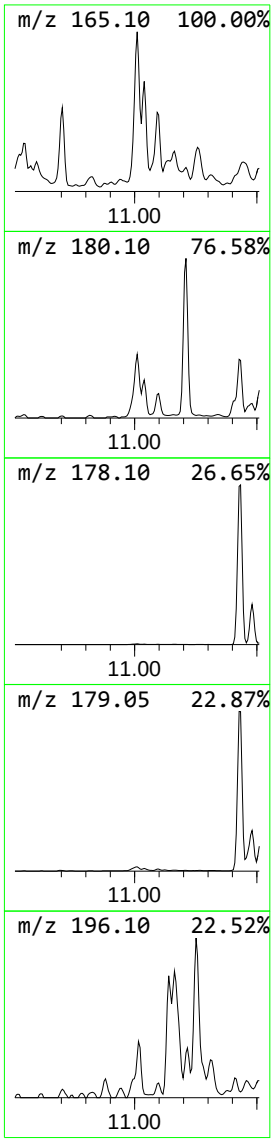
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.010	3.63 ng	112045	Phenanthrene-d10	11.404

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, 4-methyl-	180	C14H12	002523-37-7	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-9	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

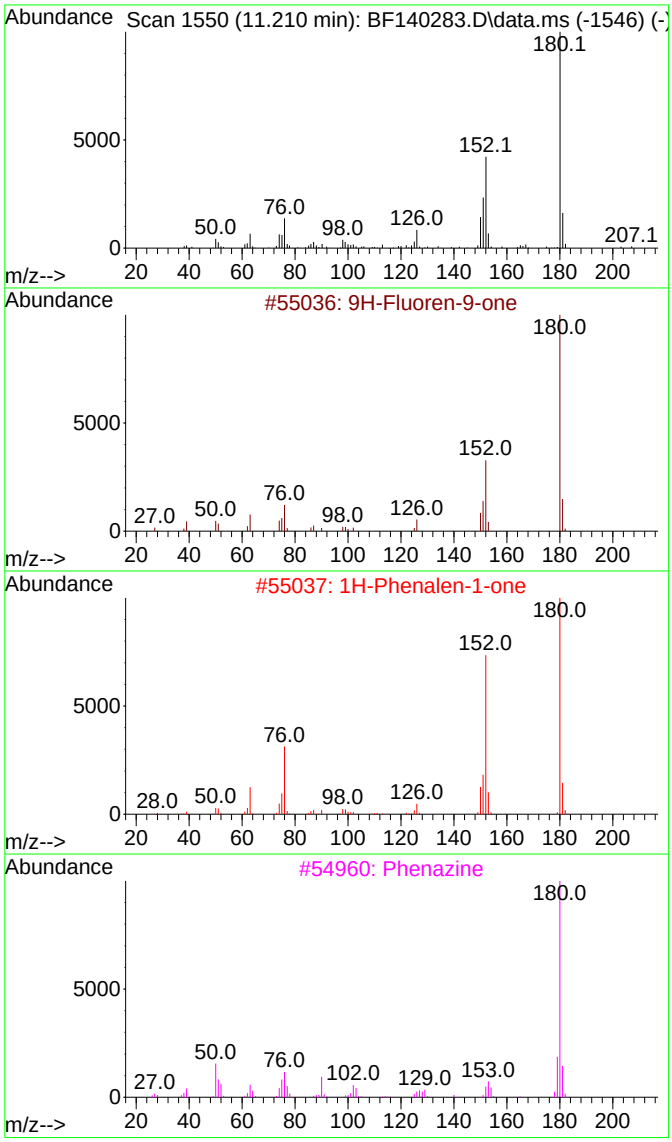
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

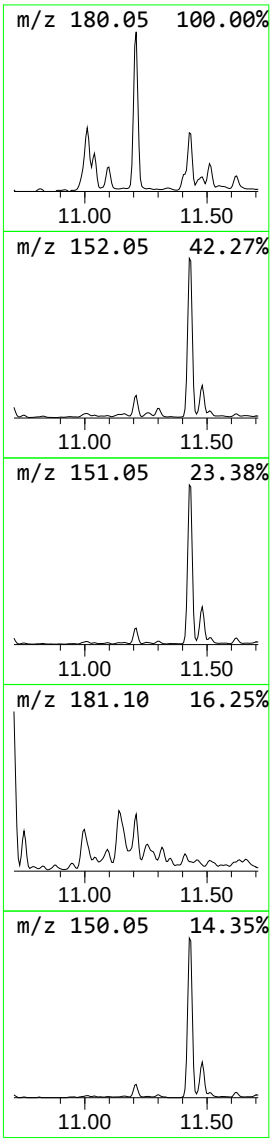
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	3.09 ng	95488	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
3	Phenazine	180	C12H8N2	000092-82-0	47
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	45
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

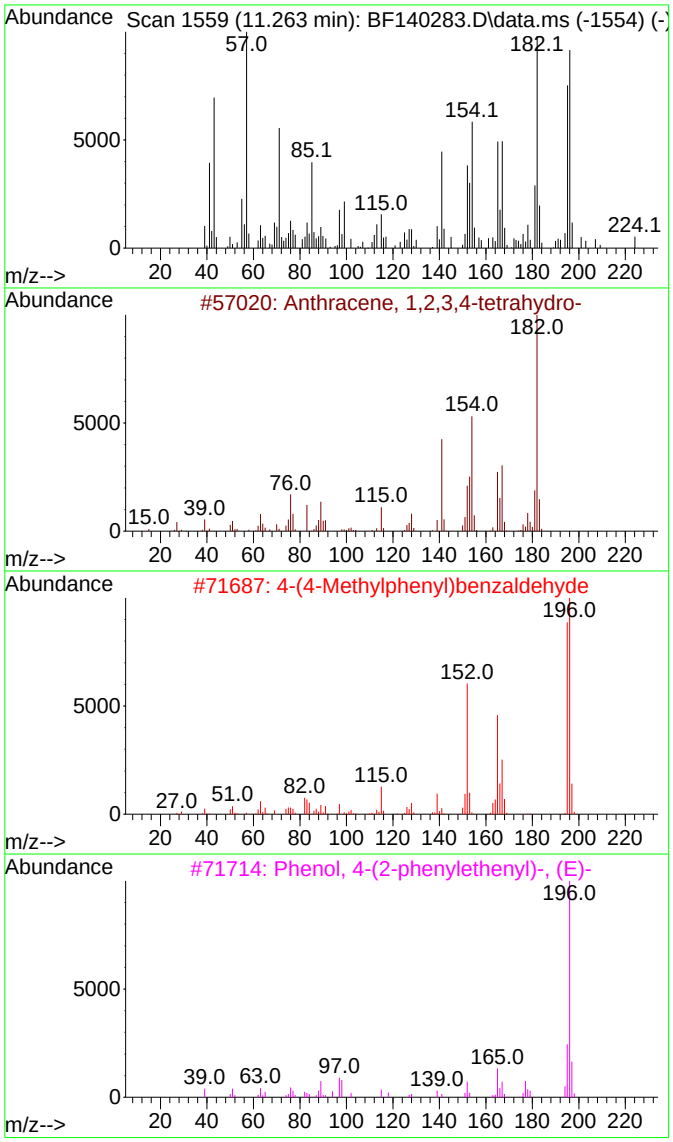
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

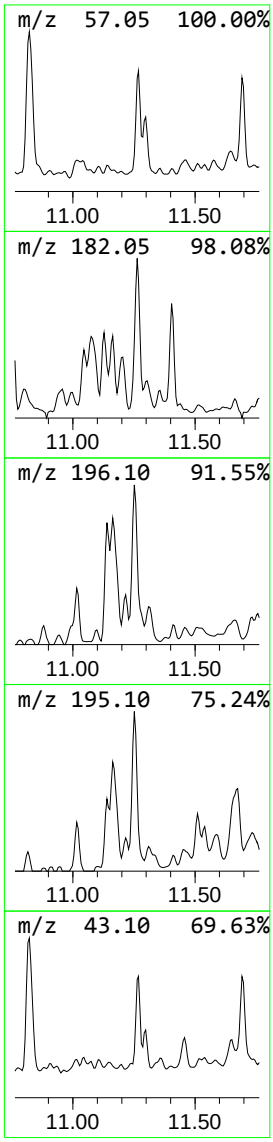
****

Peak Number 7 unknown11.263 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	3.75 ng	115834	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	42
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	42
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

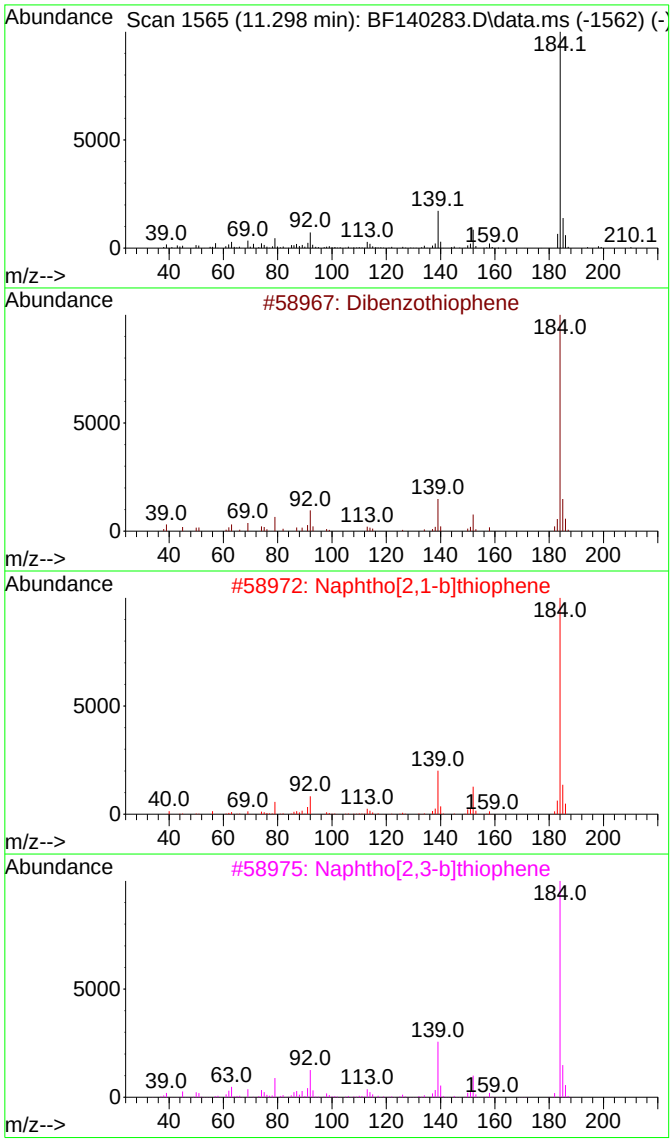
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

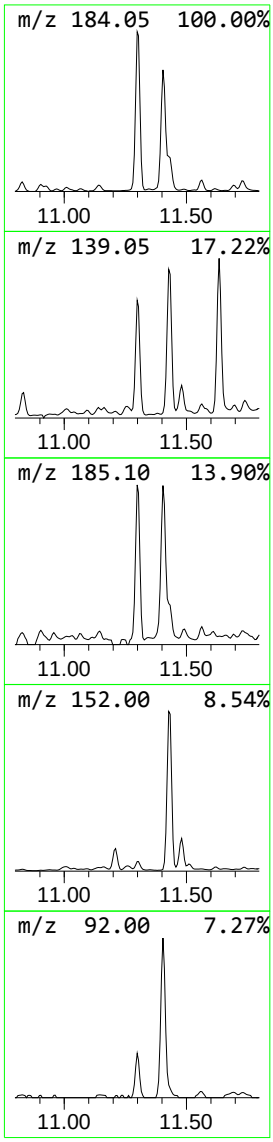
****

Peak Number 8 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	5.06 ng	156221	Phenanthrene-d10	11.404

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	94
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	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

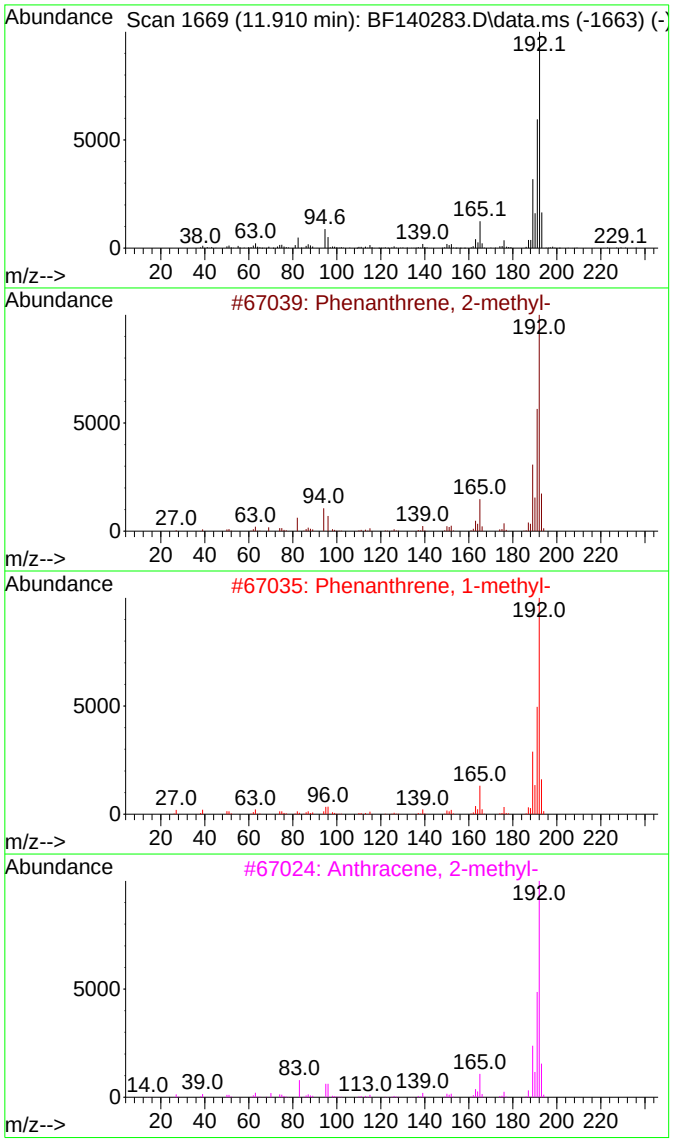
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

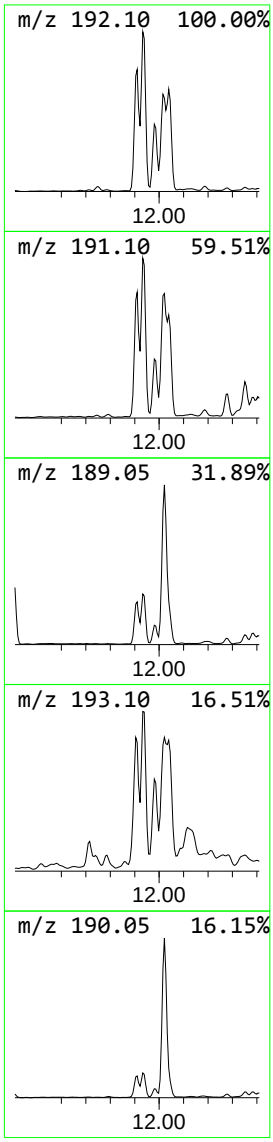
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	10.15 ng	313676	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
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\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

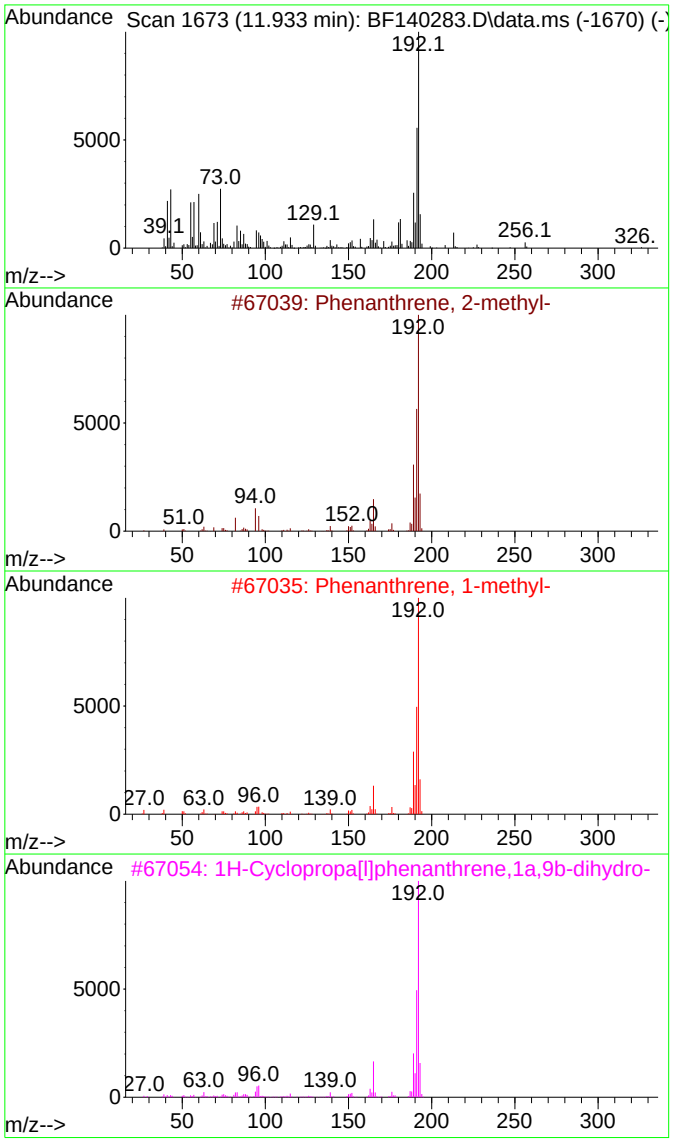
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

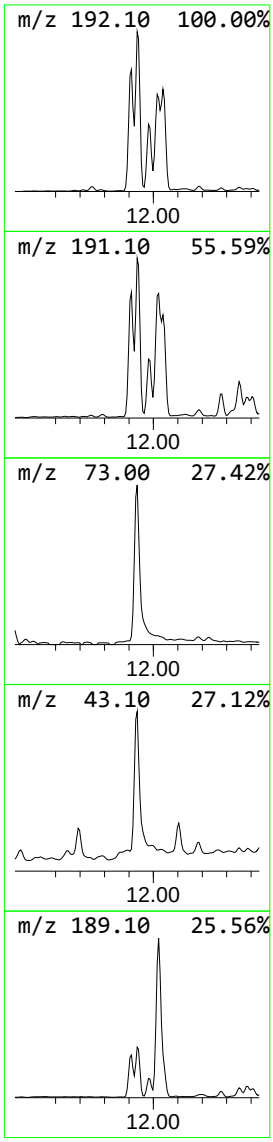
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	21.19 ng	654639	Phenanthrene-d10	11.404

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

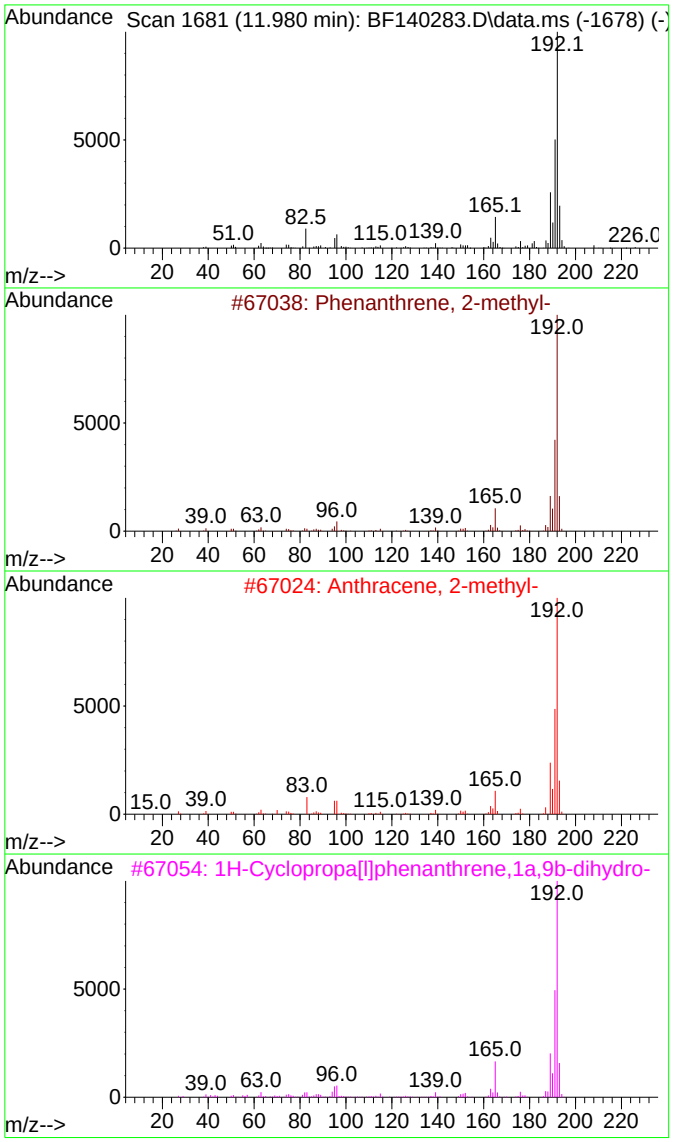
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

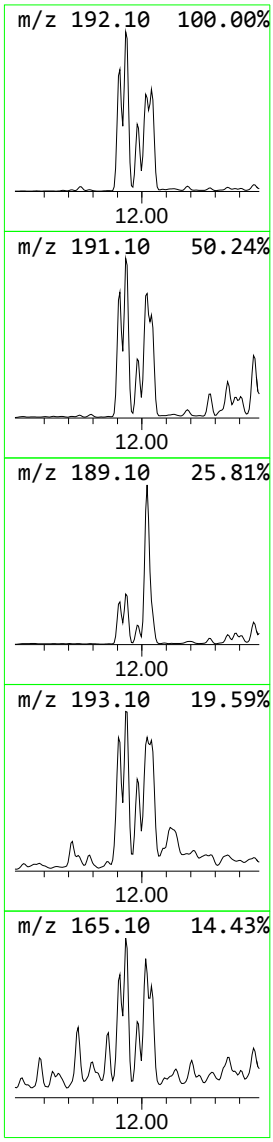
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	5.25 ng	162290	Phenanthrene-d10	11.404

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

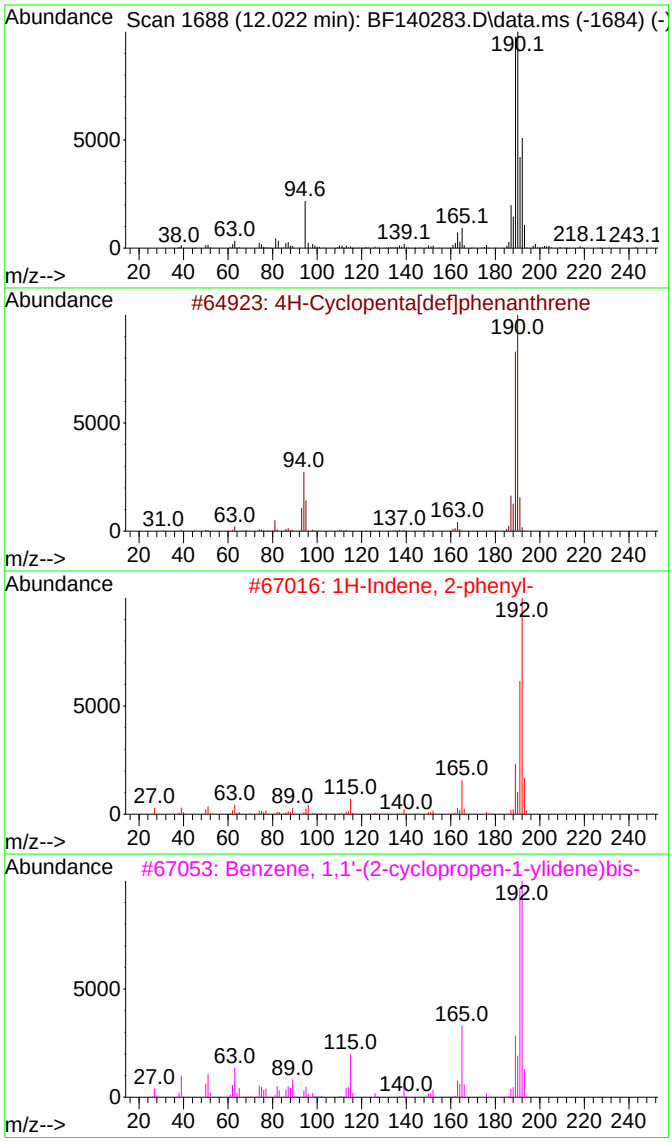
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

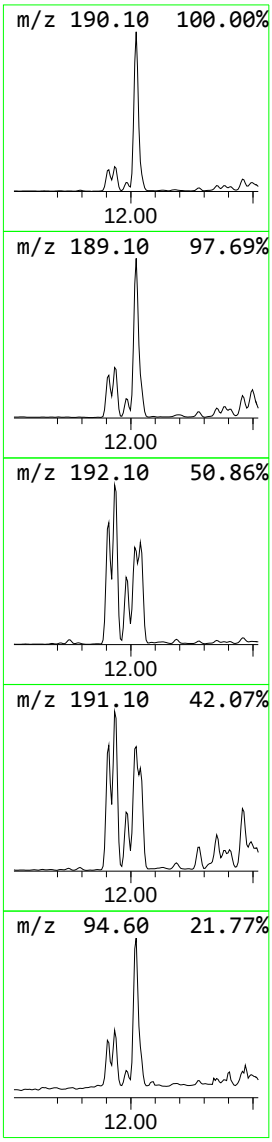
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	25.24 ng	779796	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
3	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

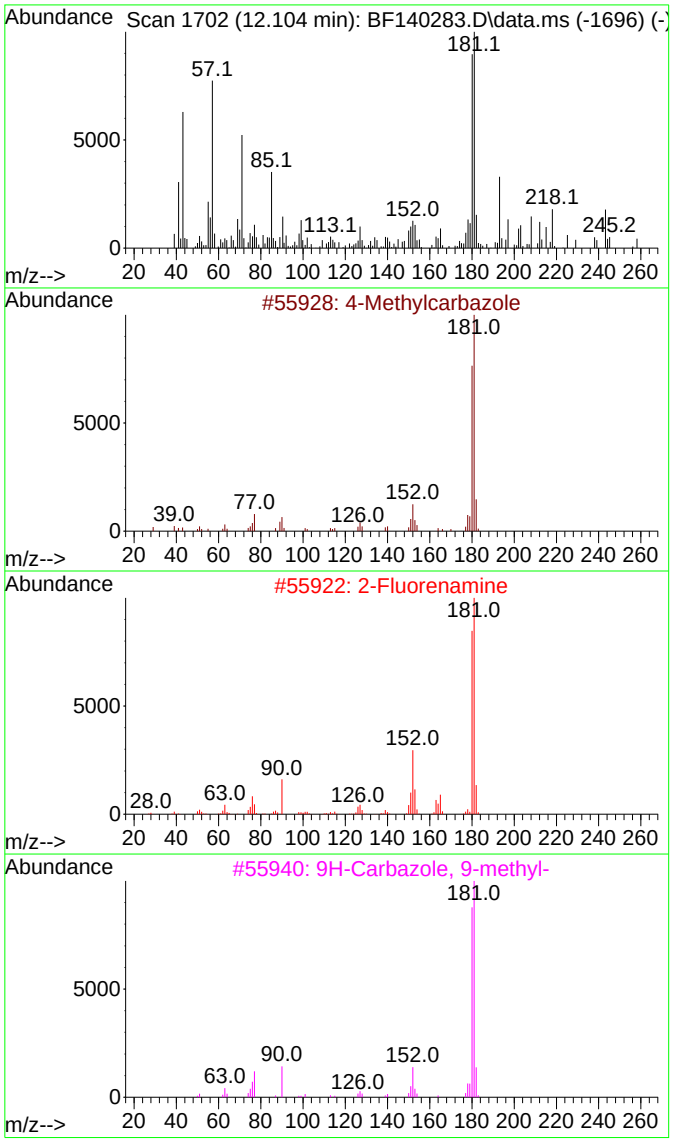
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

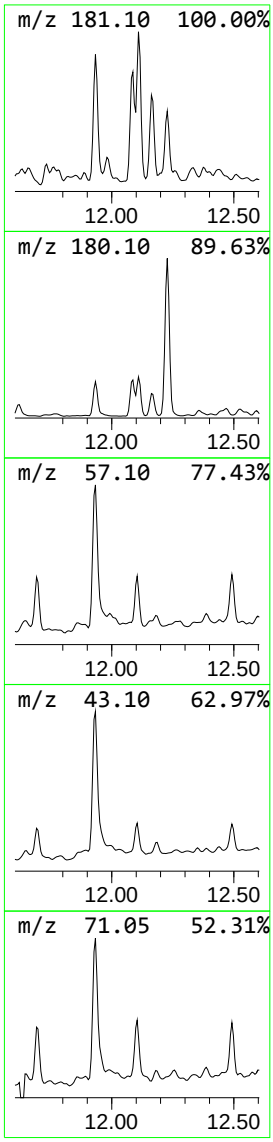
****

Peak Number 13 4-Methylcarbazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	3.75 ng	115921	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	87
2	2-Fluorenamine	181	C13H11N	000153-78-6	70
3	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	70
4	3-Methylcarbazole	181	C13H11N	004630-20-0	70
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

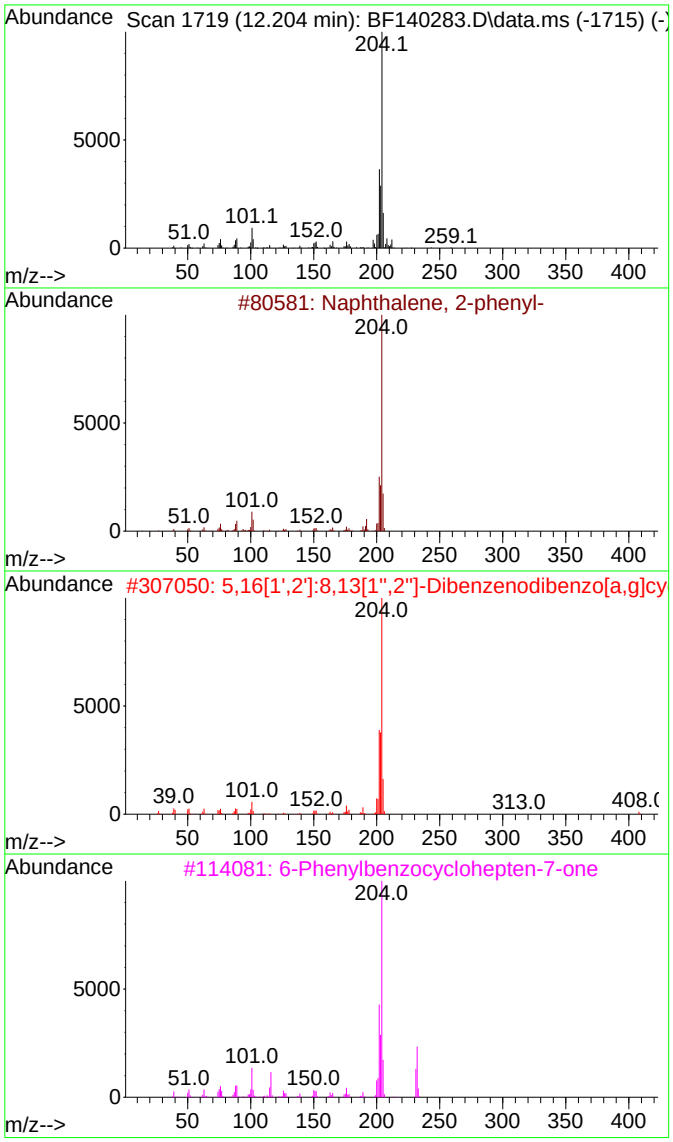
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

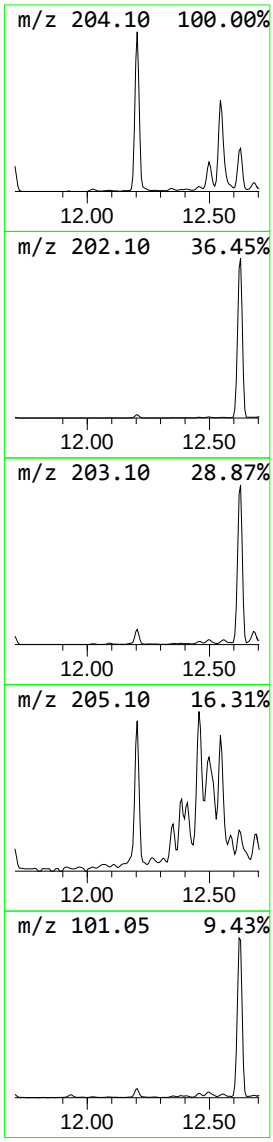
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	7.03 ng	217093	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

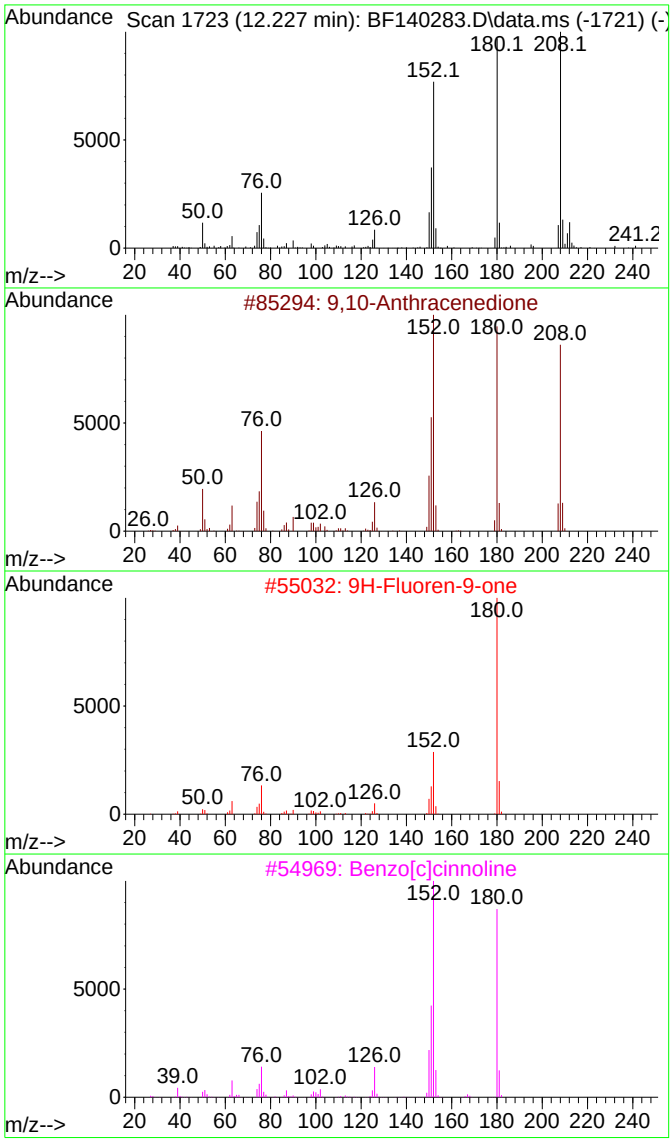
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

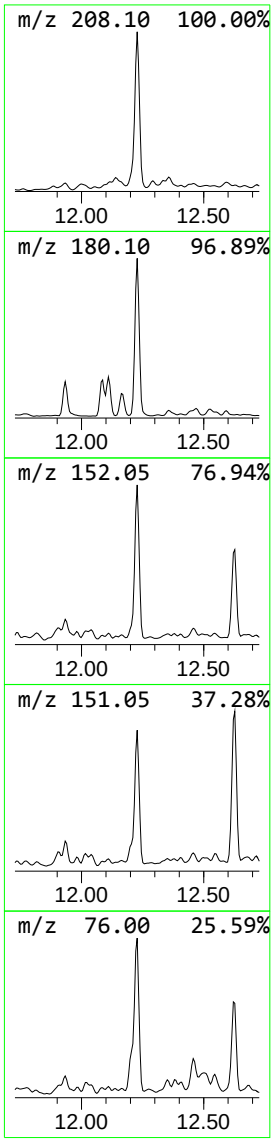
****

Peak Number 15 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	5.62 ng	173670	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	6-Chloroquinoxalin-2-ol	180	C8H5ClN2O	002427-71-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

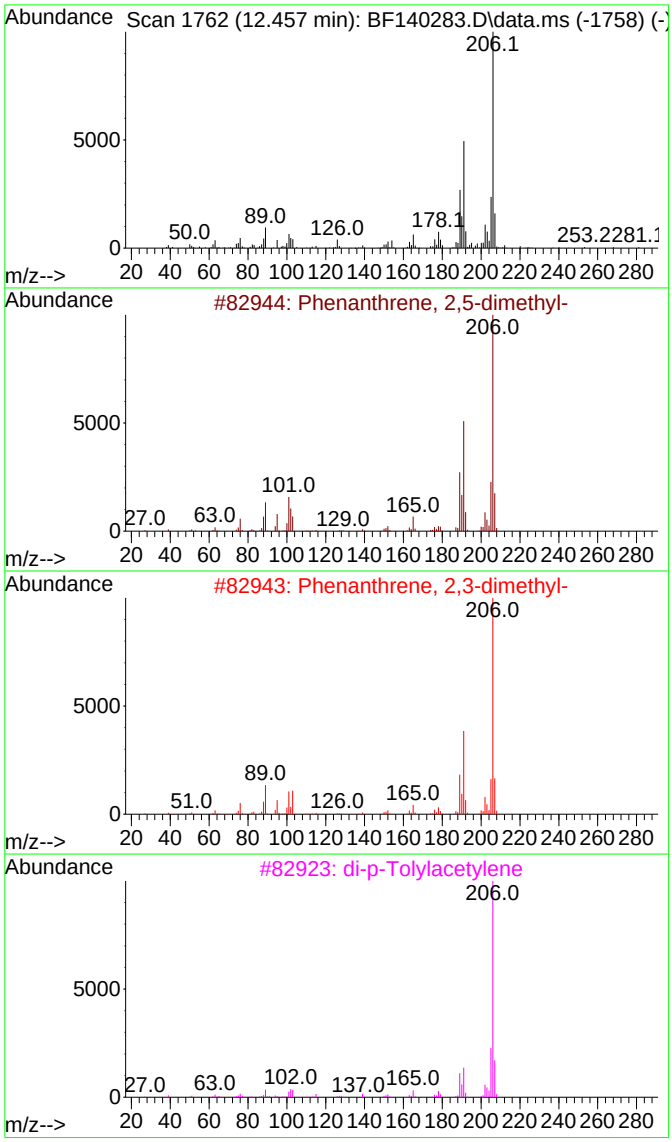
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

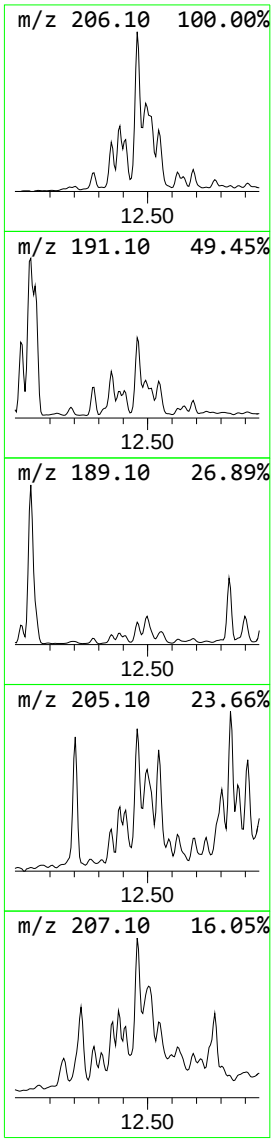
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	8.19 ng	253019	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

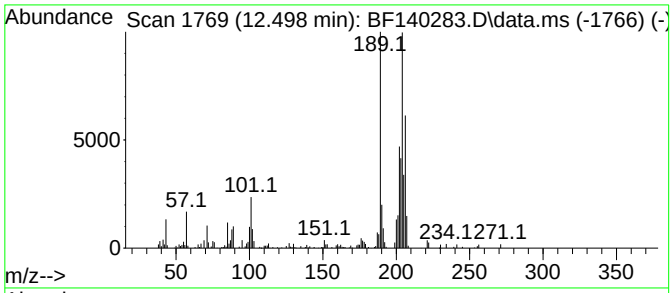
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

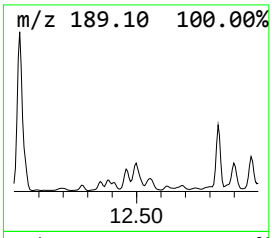
****

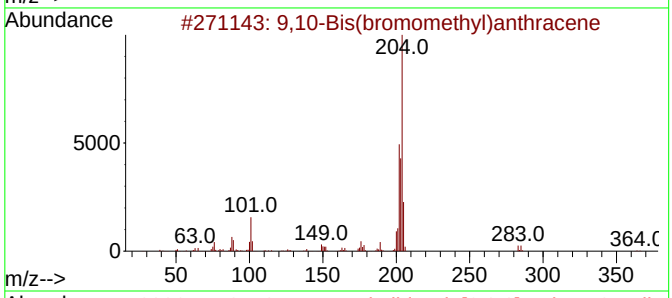
Peak Number 17 unknown12.498 Concentration Rank 9

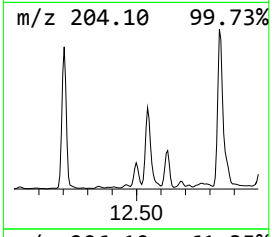
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	6.37 ng	196739	Phenanthrene-d10	11.404

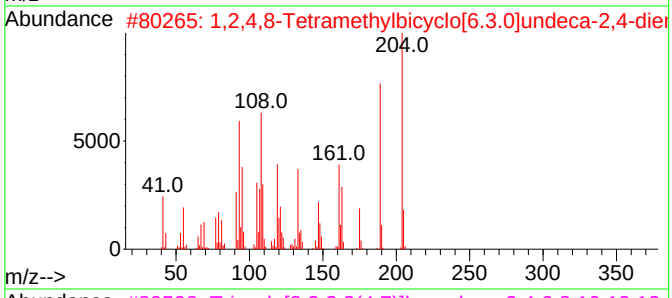
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38

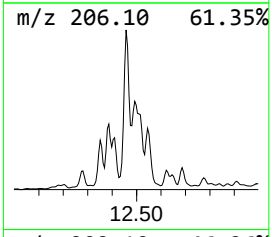


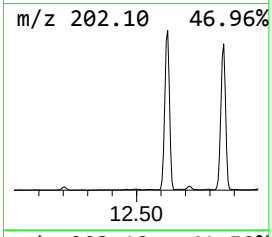


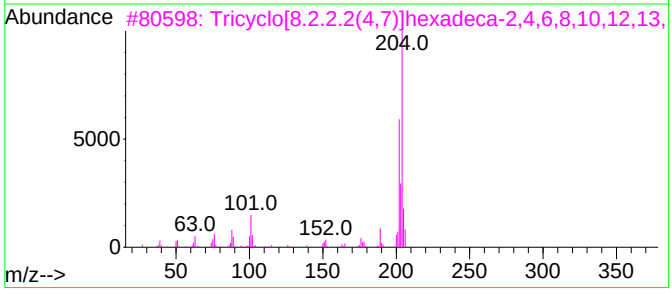


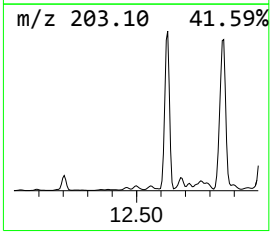












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

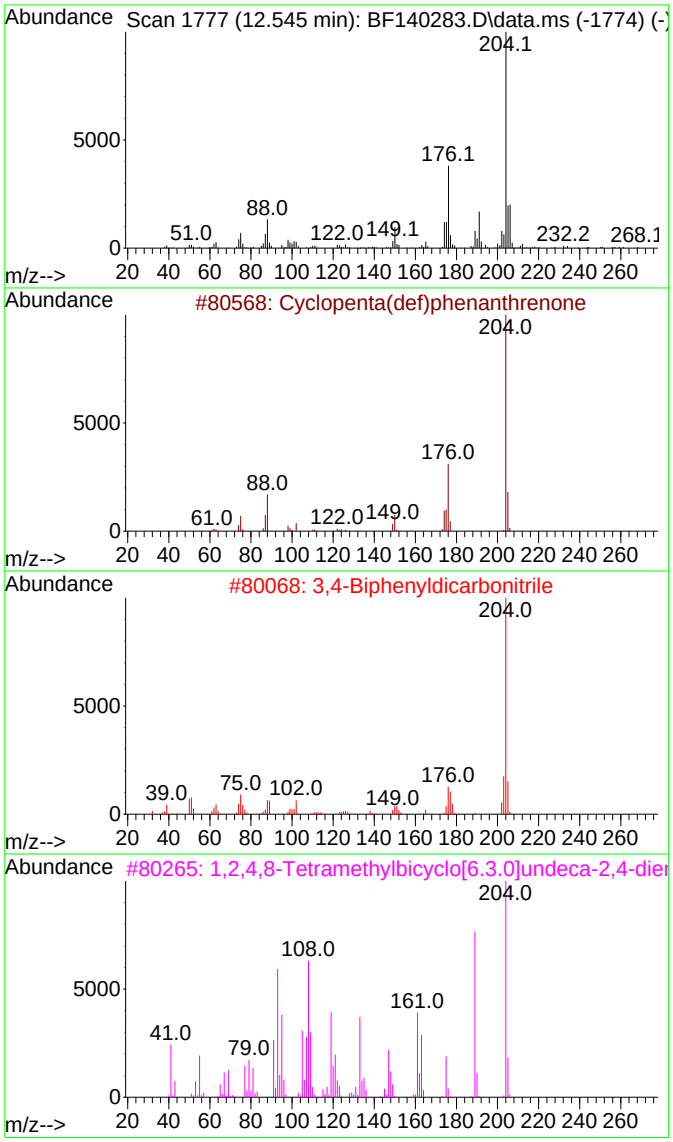
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

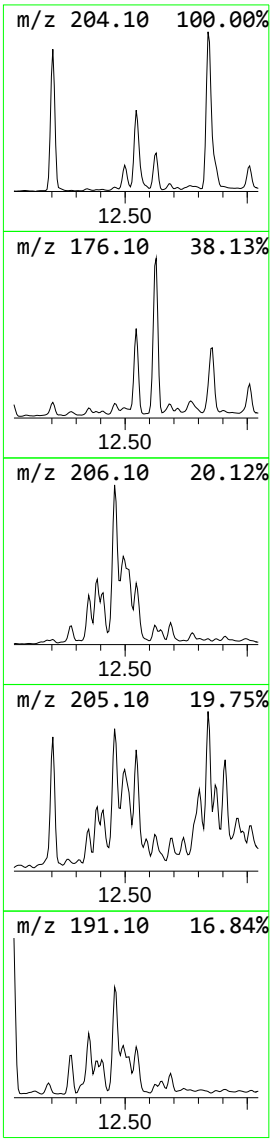
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	5.93 ng	183144	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

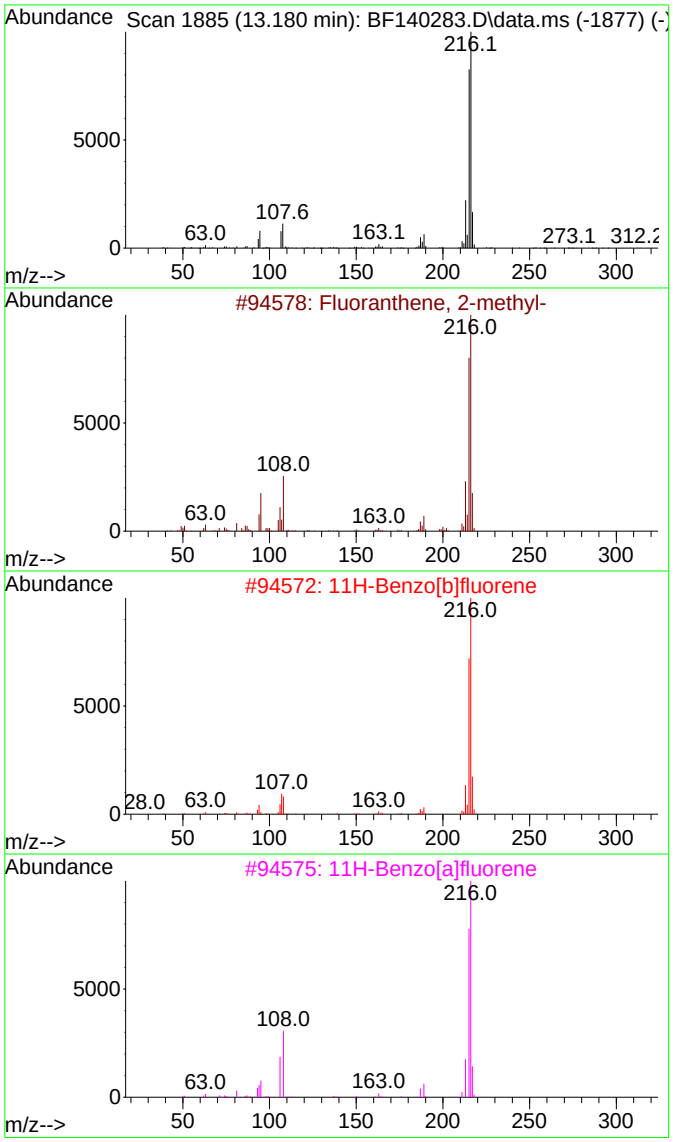
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

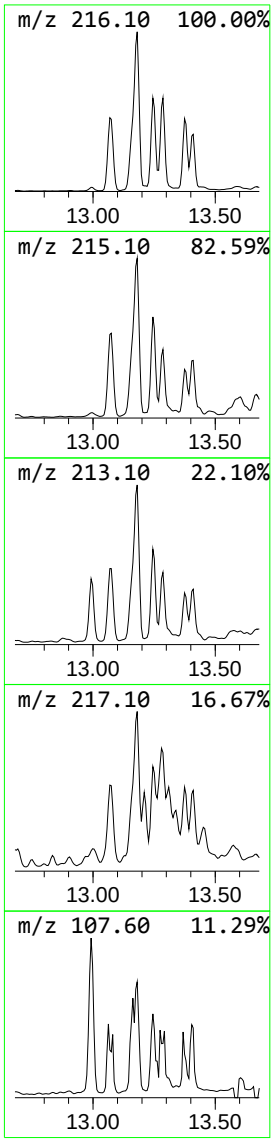
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.180	4.70 ng	606708	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

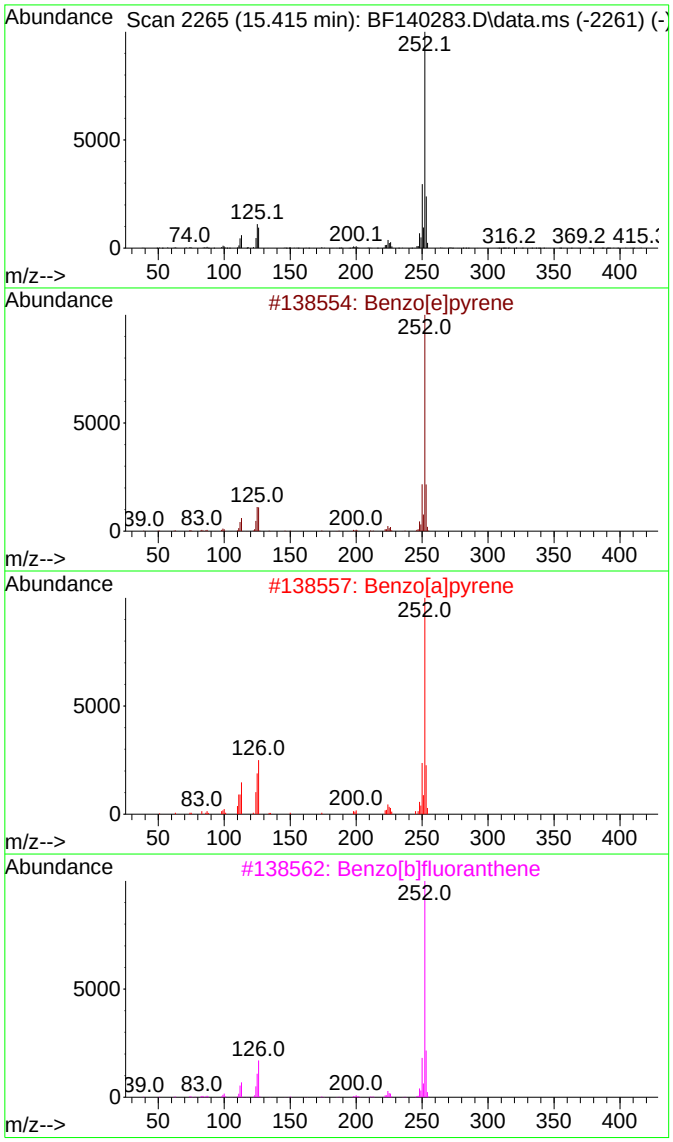
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

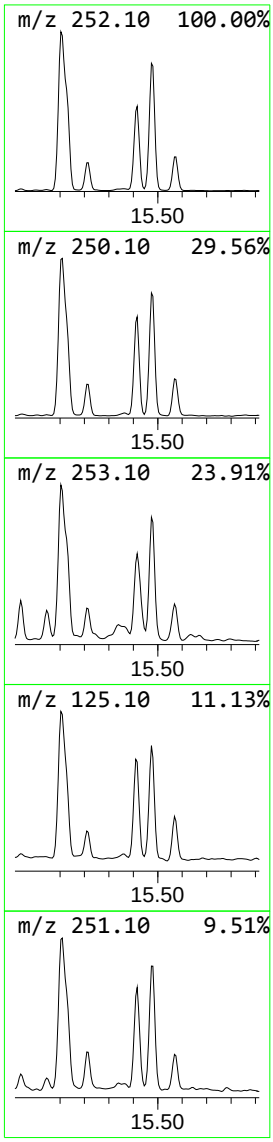
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.416	29.68 ng	603375	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140283.D
Acq On : 07 Nov 2024 18:51
Operator : RC/JU
Sample : P4694-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Z-03A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.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...	2.146	41.7	ng	1477530	1	6.875	708742	20.0
2-Pentanone, 4-...	5.098	4.3	ng	153717	1	6.875	708742	20.0
Benzophenone	10.628	6.5	ng	265368	3	9.916	823098	20.0
Tetradecane	10.822	3.4	ng	103838	4	11.404	617992	20.0
9H-Fluorene, 2-...	11.010	3.6	ng	112045	4	11.404	617992	20.0
9H-Fluoren-9-one	11.210	3.1	ng	95488	4	11.404	617992	20.0
unknown11.263	11.263	3.8	ng	115834	4	11.404	617992	20.0
Dibenzothiophene	11.298	5.1	ng	156221	4	11.404	617992	20.0
Phenanthrene, 2...	11.910	10.2	ng	313676	4	11.404	617992	20.0
Phenanthrene, 1...	11.933	21.2	ng	654639	4	11.404	617992	20.0
Anthracene, 2-m...	11.980	5.3	ng	162290	4	11.404	617992	20.0
4H-Cyclopenta[d...	12.022	25.2	ng	779796	4	11.404	617992	20.0
4-Methylcarbazole	12.104	3.8	ng	115921	4	11.404	617992	20.0
Naphthalene, 2-...	12.204	7.0	ng	217093	4	11.404	617992	20.0
9,10-Anthracene...	12.227	5.6	ng	173670	4	11.404	617992	20.0
Phenanthrene, 2...	12.457	8.2	ng	253019	4	11.404	617992	20.0
unknown12.498	12.498	6.4	ng	196739	4	11.404	617992	20.0
Cyclopenta(def)...	12.545	5.9	ng	183144	4	11.404	617992	20.0
Fluoranthene, 2...	13.180	4.7	ng	606708	5	14.057	2579250	20.0
Benzo[e]pyrene	15.416	29.7	ng	603375	6	15.539	406645	20.0