LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140172.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	3	10	17	rVB	791976	1276759	49.53%	4.031%
2	5.498	574	579	585	rBV	1067085	1426266	55.33%	4.503%
3	6.504	744	750	759	rBV	1062522	1384942	53.72%	4.372%
4	6.887	810	815	820	rVB	353363	447410	17.36%	1.412%
5	7.151	855	860	865	rBV2	23324	36358	1.41%	0.115%
6	7.440	899	909	914	rBV	686253	898108	34.84%	2.835%
7	7.692	948	952	958	rVB	21936	28551	1.11%	0.090%
8	8.163	1026	1032	1040	rBV	393641	527456	20.46%	1.665%
9	8.875	1149	1153	1158	rVB	27935	33312	1.29%	0.105%
10	8.975	1166	1170	1175	rVB	34858	41593	1.61%	0.131%
11	9.239	1210	1215	1220	rBV	1127753	1387215	53.81%	4.380%
12	9.322	1225	1229	1236	rBV2	18385	37309	1.45%	0.118%
13	9.504	1255	1260	1264	rBV	34494	54755	2.12%	0.173%
14	9.581	1269	1273	1276	rVV	59211	84566	3.28%	0.267%
15	9.645	1280	1284	1289	rVV3	29838	47406	1.84%	0.150%
16	9.698	1289	1293	1303	rVB	28582	52854	2.05%	0.167%
17	9.786	1303	1308	1313	rBV	128460	170837	6.63%	0.539%
18	9.851	1314	1319	1324	rVB3	17542	28893	1.12%	0.091%
19	9.922	1324	1331	1335	rBV	375332	518324	20.11%	1.636%
20	9.957	1335	1337	1341	rVV	80595	84174	3.27%	0.266%
21	10.128	1361	1366	1370	rBV	69790	91720	3.56%	0.290%
22	10.169	1370	1373	1381	rVB	29297	39176	1.52%	0.124%
23	10.239	1381	1385	1388	rBV	30784	44471	1.73%	0.140%
24	10.333	1396	1401	1402	rBV3	24296	34873	1.35%	0.110%
25	10.351	1402	1404	1407	rVB	25583	27031	1.05%	0.085%
26	10.475	1420	1425	1431	rVB	142150	189062	7.33%	0.597%
27	10.539	1431	1436	1438	rBV2	20385	35917	1.39%	0.113%
28	10.580	1441	1443	1447	rVV2	24721	33121	1.28%	0.105%
29	10.639	1448	1453	1460	rVB2	165077	235858	9.15%	0.745%
30	10.716	1460	1466	1471	rBV	692872	891585	34.59%	2.815%
31	10.839	1482	1487	1493	rVB2	76124	124439	4.83%	0.393%
32	11.022	1513	1518	1521	rBV2	52325	83656	3.25%	0.264%
33	11.051	1521	1523	1527	rVB2	25243	28305	1.10%	0.089%
34	11.110	1530	1533	1536	rVB	23997	27815	1.08%	0.088%
35	11.157	1536	1541	1542	rBV2	21013	30843	1.20%	0.097%
36	11.222	1549	1552	1556	rVV3	22677	27844	1.08%	0.088%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.280	1556	1562	1564	rVV3	40777	74144	2.88%	0.234%
38	11.316	1564	1568	1573	rVB	97722	137813	5.35%	0.435%
39	11.422	1580	1586	1587	rBV	405821	529851	20.55%	1.673%
40	11.445	1587	1590	1594	rVV	1065653	1311555	50.88%	4.141%
41	11.492	1594	1598	1602	rVV	313511	408112	15.83%	1.288%
42	11.527	1602	1604	1608	rVB2	35301	40355	1.57%	0.127%
43	11.645	1620	1624	1631	rBV	67266	111801	4.34%	0.353%
44	11.710	1632	1635	1639	rVV2	61029	88963	3.45%	0.281%
45	11.751	1639	1642	1646	rVB2	53703	67492	2.62%	0.213%
46	11.833	1653	1656	1660	rVB	39201	51432	2.00%	0.162%
47	11.880	1660	1664	1666	rBV3	16838	26074	1.01%	0.082%
48	11.922	1667	1671	1673	rBV	191253	256696	9.96%	0.810%
49	11.951	1673	1676	1680	rVB	424235	522508	20.27%	1.650%
50	11.998	1680	1684	1686	rBV	70602	78046	3.03%	0.246%
51	12.033	1686	1690	1698	rVB	369333	670559	26.01%	2.117%
52	12.122	1702	1705	1708	rVB3	30101	34214	1.33%	0.108%
53	12.157	1708	1711	1714	rVB3	23691	26020	1.01%	0.082%
54	12.216	1717	1721	1724	rBV	120461	176497	6.85%	0.557%
55	12.398	1749	1752	1755	rBV	53260	65042	2.52%	0.205%
56	12.474	1761	1765	1768	rBV	177717	254533	9.87%	0.804%
57	12.510	1768	1771	1777	rVV	131382	229654	8.91%	0.725%
58	12.563	1777	1780	1785	rVV2	109860	170187	6.60%	0.537%
59	12.645	1788	1794	1798	rVV	1679653	2273138	88.18%	7.176%
60	12.692	1798	1802	1806	rVV2	44873	88203	3.42%	0.278%
61	12.733	1806	1809	1813	rVV2	70380	91376	3.54%	0.288%
62	12.792	1816	1819	1826	rVB4	79736	123306	4.78%	0.389%
63	12.874	1826	1833	1838	rBV	1664921	2577879	100.00%	8.138%
64	12.922	1838	1841	1845	rVB2	89950	123317	4.78%	0.389%
65	13.010	1849	1856	1864	rVB	1105168	1643863	63.77%	5.190%
66	13.086	1864	1869	1877	rBV4	180224	390452	15.15%	1.233%
67	13.198	1881	1888	1892	rVB	305980	559015	21.69%	1.765%
68	13.269	1896	1900	1903	rVV	202761	270454	10.49%	0.854%
69	13.304	1903	1906	1913	rVB2	218204	301249	11.69%	0.951%
70	13.398	1918	1922	1924	rBV	121099	148770	5.77%	0.470%
71	13.427	1924	1927	1931	rVB	126188	150277	5.83%	0.474%
72	13.821	1990	1994	1997	rBV2	149349	244502	9.48%	0.772%
73	13.916	2008	2010	2015	rVB	155211	203632	7.90%	0.643%
74	14.069	2031	2036	2039	rBV2	999612	1627962	63.15%	5.140%
75	14.104	2039	2042	2048	rVB	722024	1026720	39.83%	3.241%
76	14.186	2053	2056	2059	rVB	128342	151414	5.87%	0.478%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.145	2214	2219	2228	rBV	601098	1392545	54.02%	4.396%
78	15.457	2268	2272	2278	rVB	334282	551343	21.39%	1.741%
79	15.521	2279	2283	2289	rVB	483853	762491	29.58%	2.407%
80	15.586	2291	2294	2297	rBV	136936	196502	7.62%	0.620%
81	17.121	2549	2555	2564	rVB2	216836	522566	20.27%	1.650%
82	17.580	2629	2633	2644	rVB	183995	409839	15.90%	1.294%

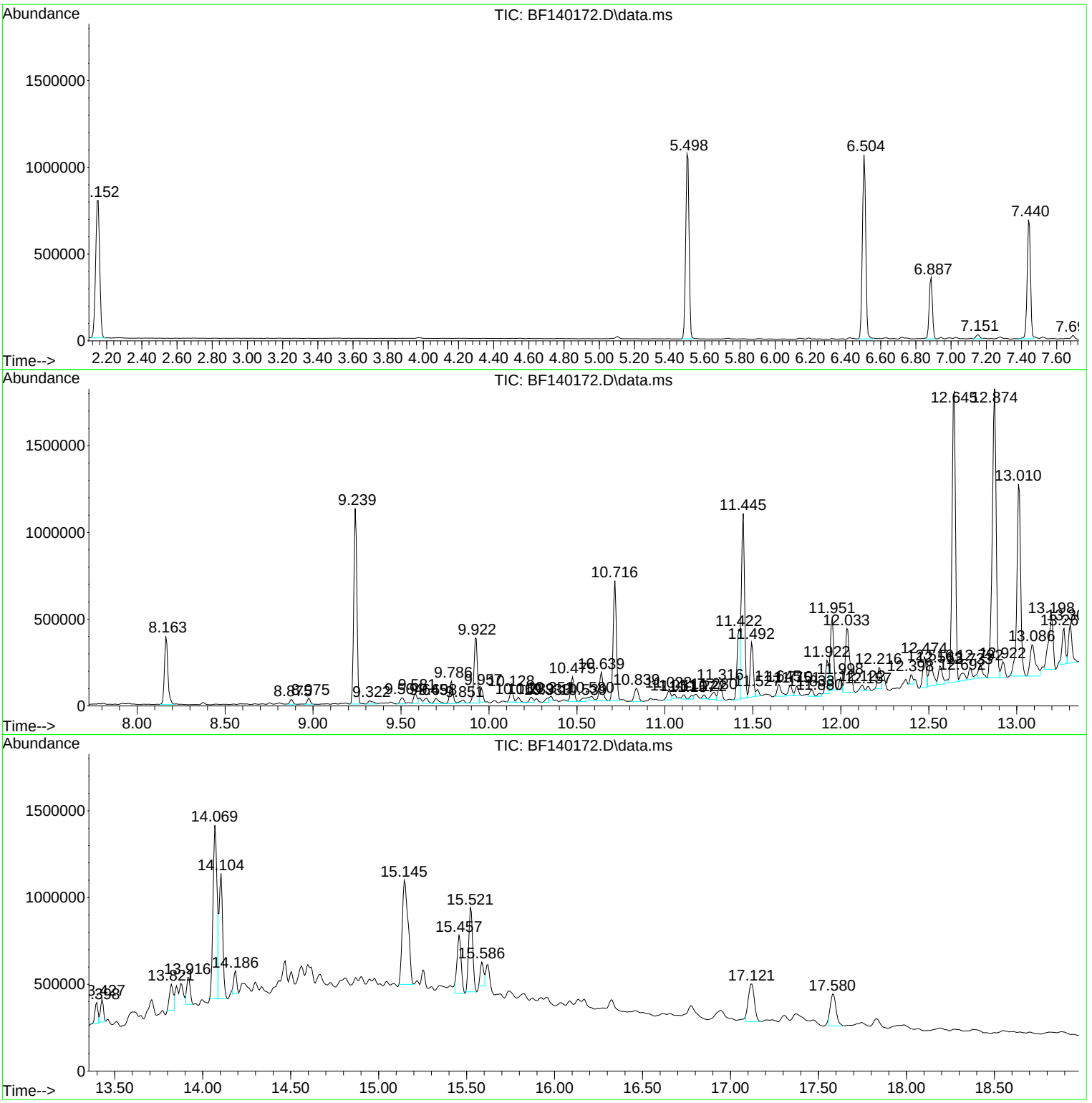
Sum of corrected areas: 31675167

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

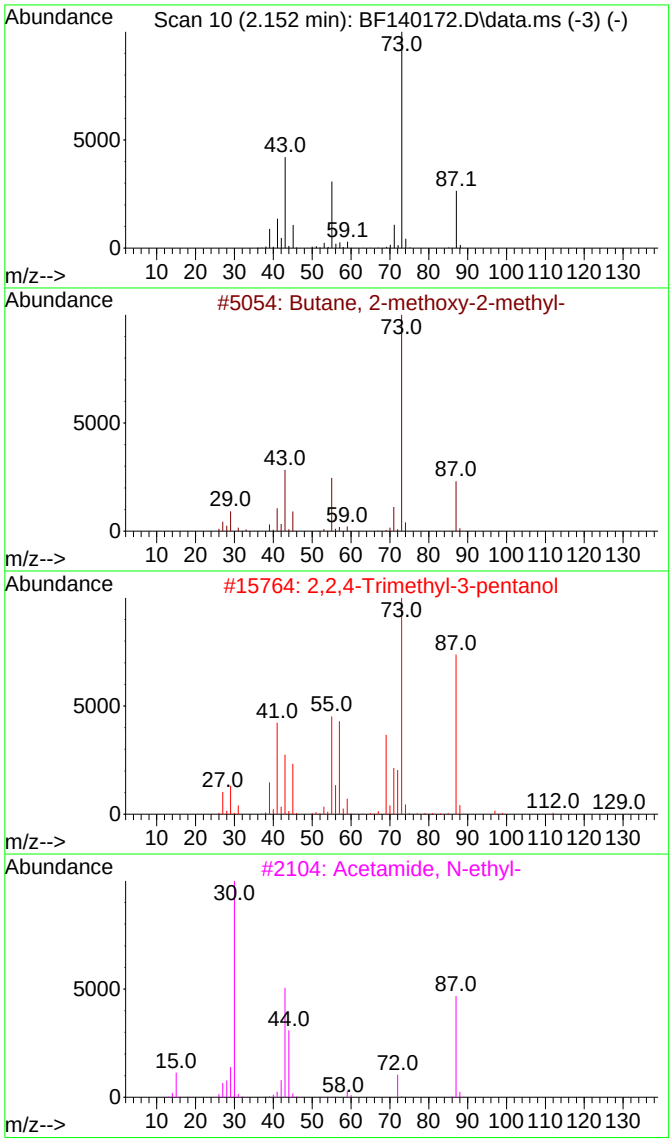
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

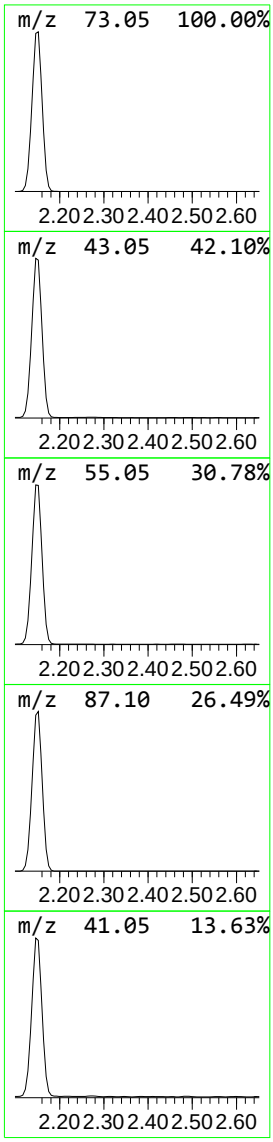
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	57.07 ng	1276760	1,4-Dichlorobenzene-d4	6.887

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	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

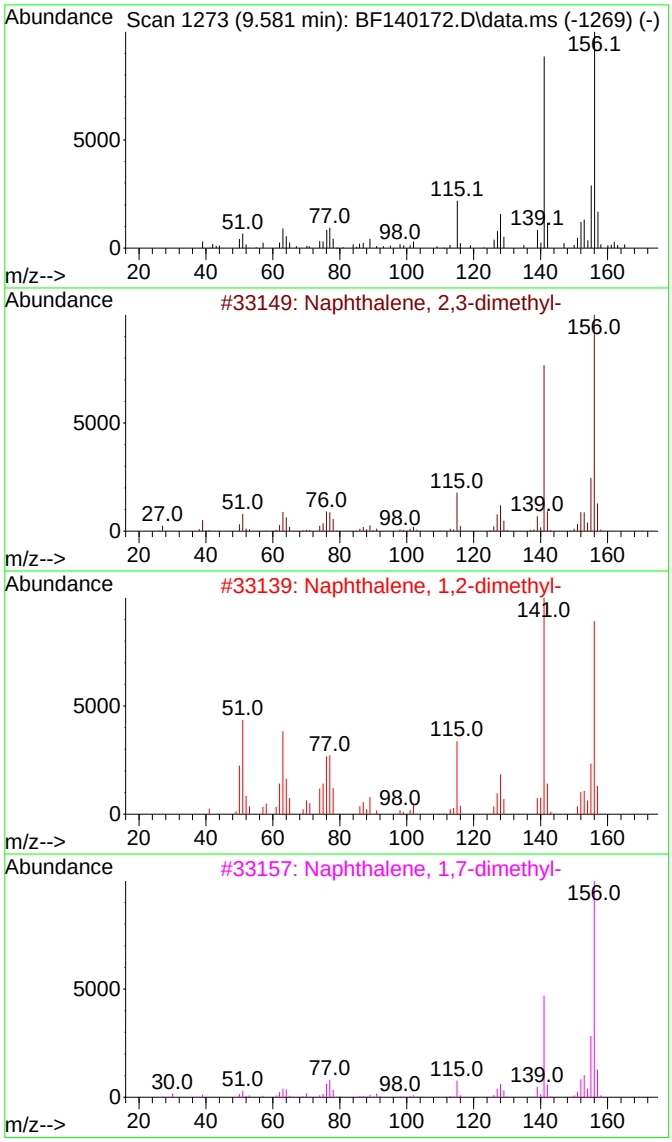
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

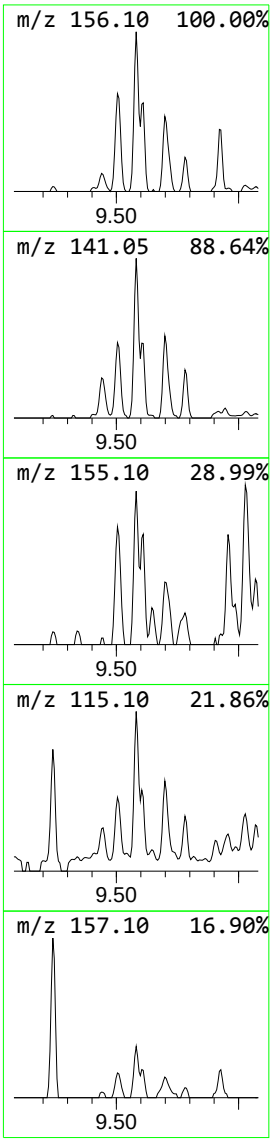
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	3.26 ng	84566	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

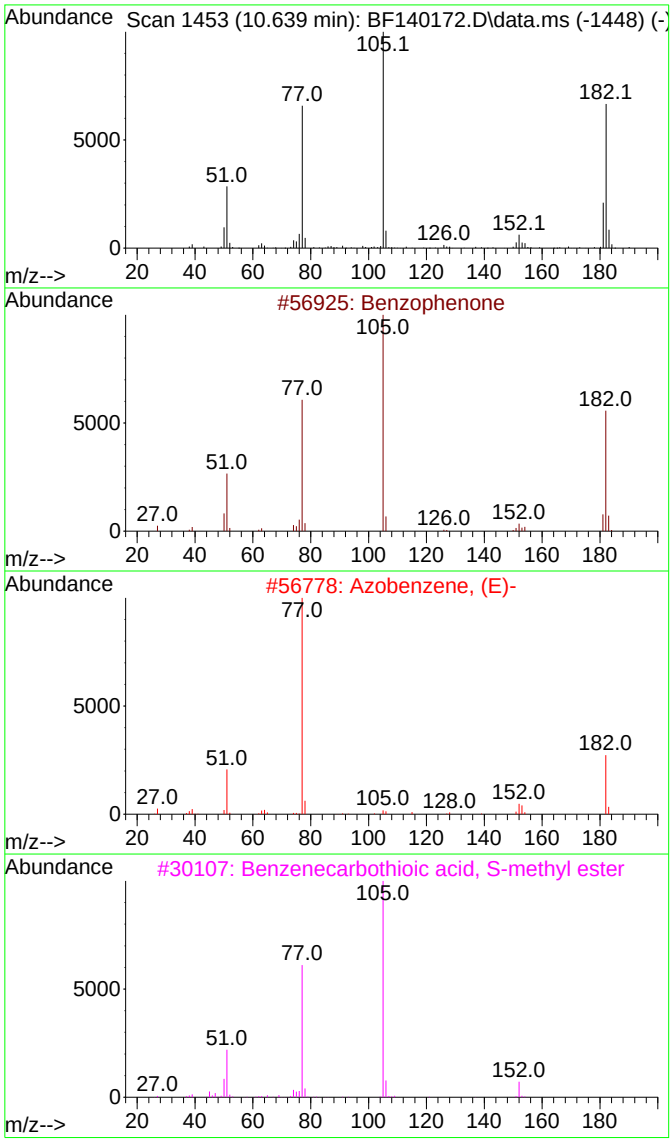
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

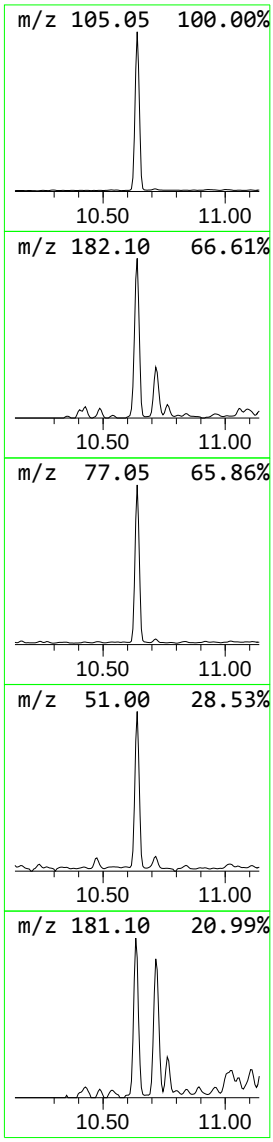
****

Peak Number 3 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	9.10 ng	235858	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	52
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	43
5	Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

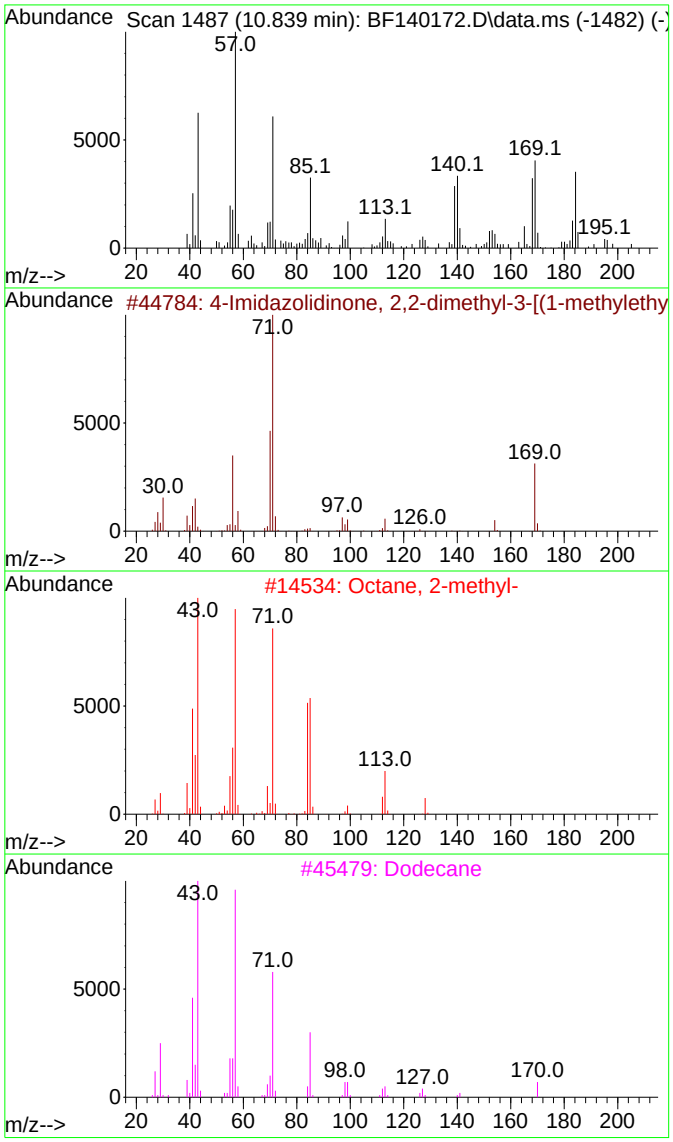
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

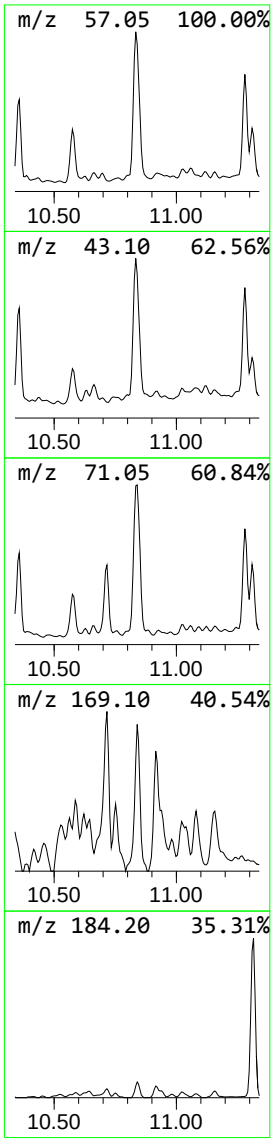
****

Peak Number 4 unknown10.839 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	4.70 ng	124439	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Imidazolidinone, 2,2-dimethyl-...	169	C8H15N3O	142071-78-1	38
2	Octane, 2-methyl-	128	C9H20	003221-61-2	35
3	Dodecane	170	C12H26	000112-40-3	35
4	Decane, 3-methyl-	156	C11H24	013151-34-3	20
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

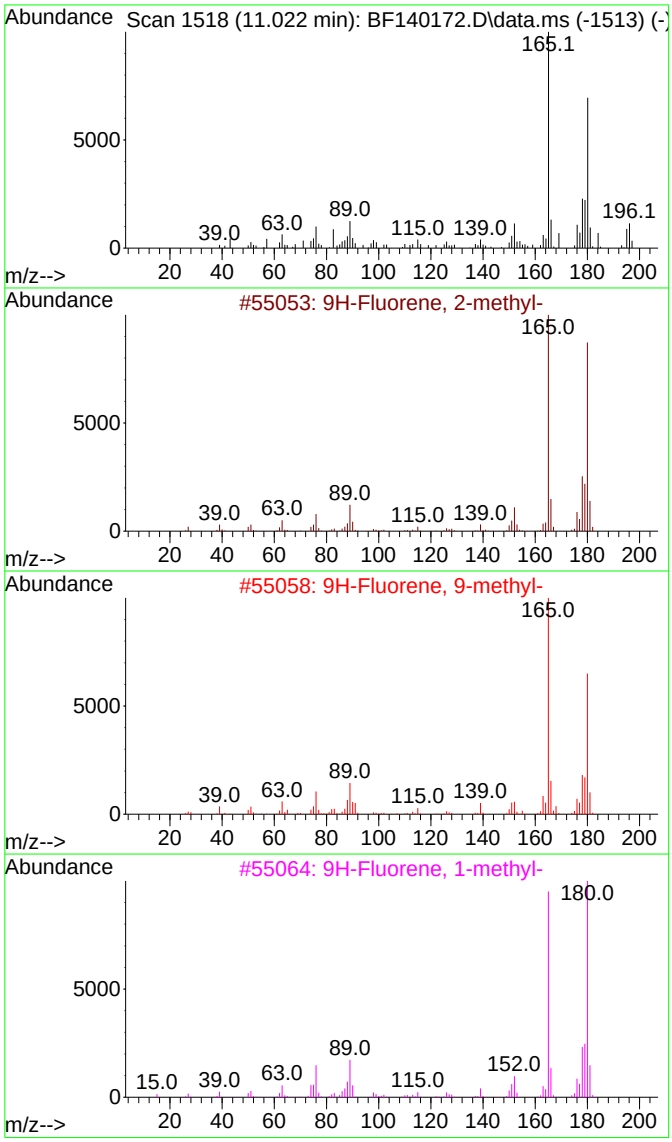
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

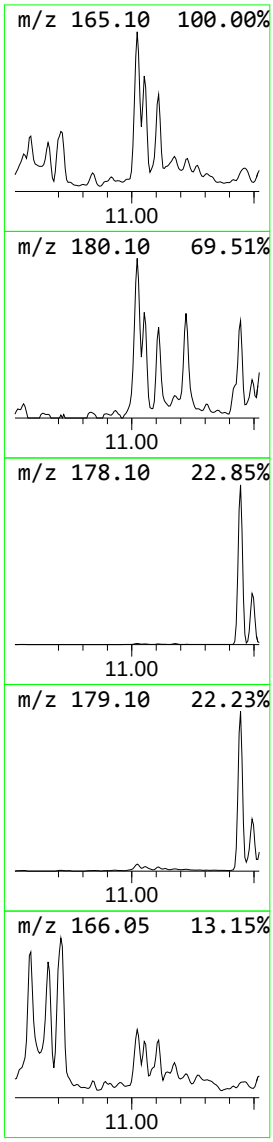
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.022	3.16 ng	83656	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

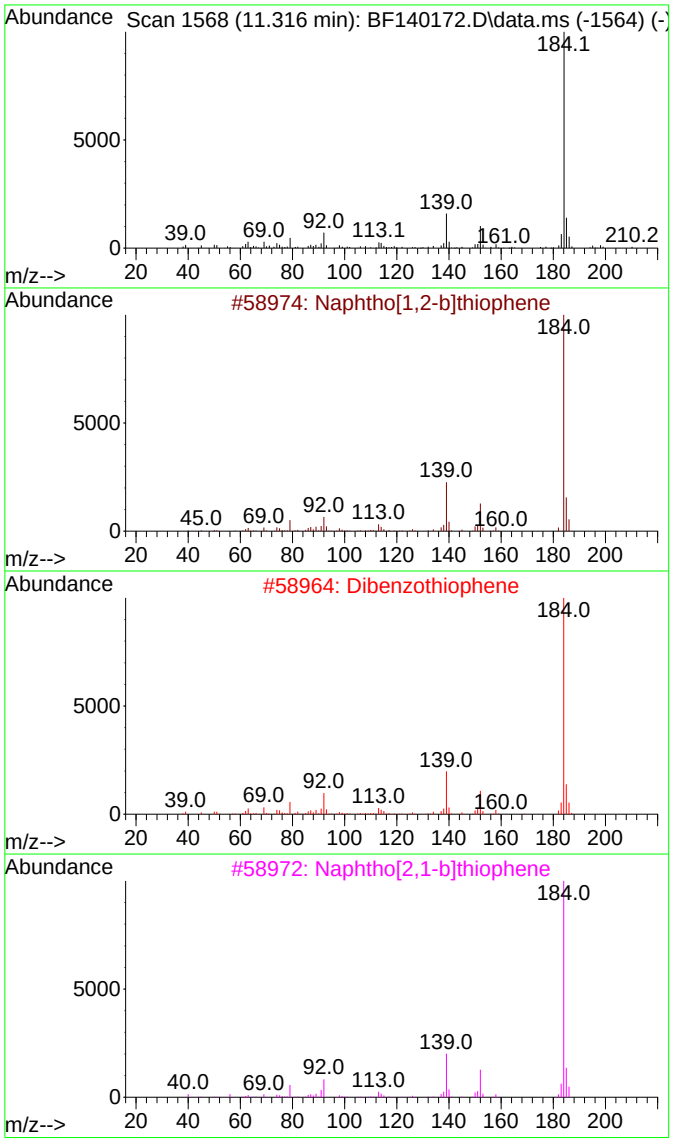
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

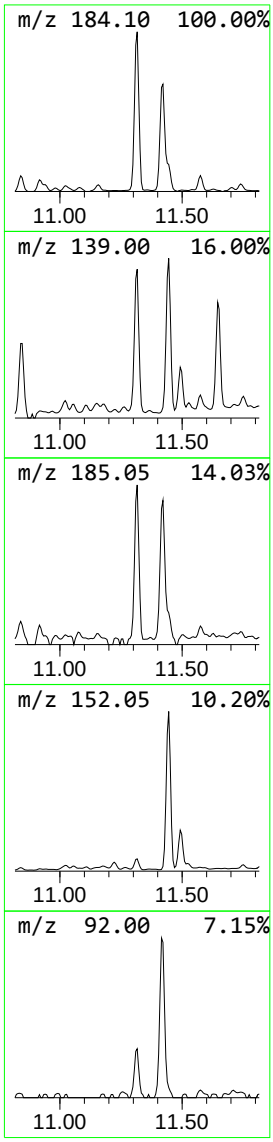
****

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.316	5.20 ng	137813	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

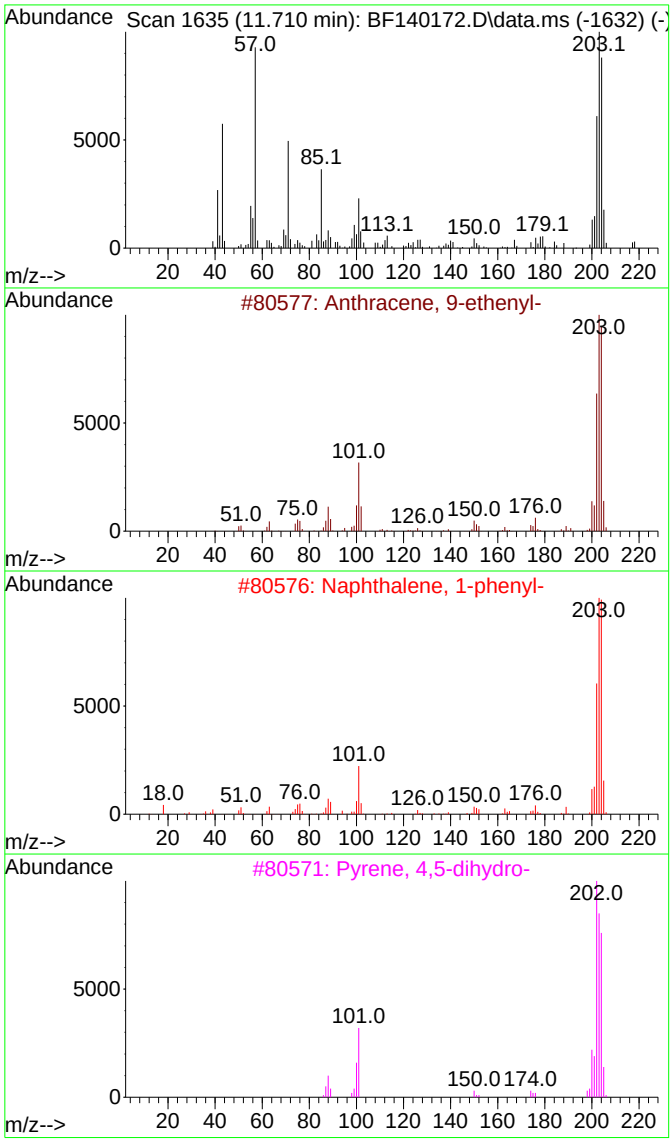
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

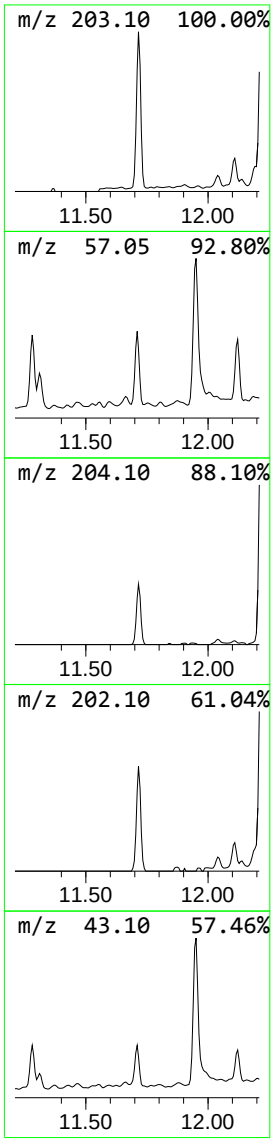
****

Peak Number 7 Anthracene, 9-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.710	3.36 ng	88963	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	68
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	60
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

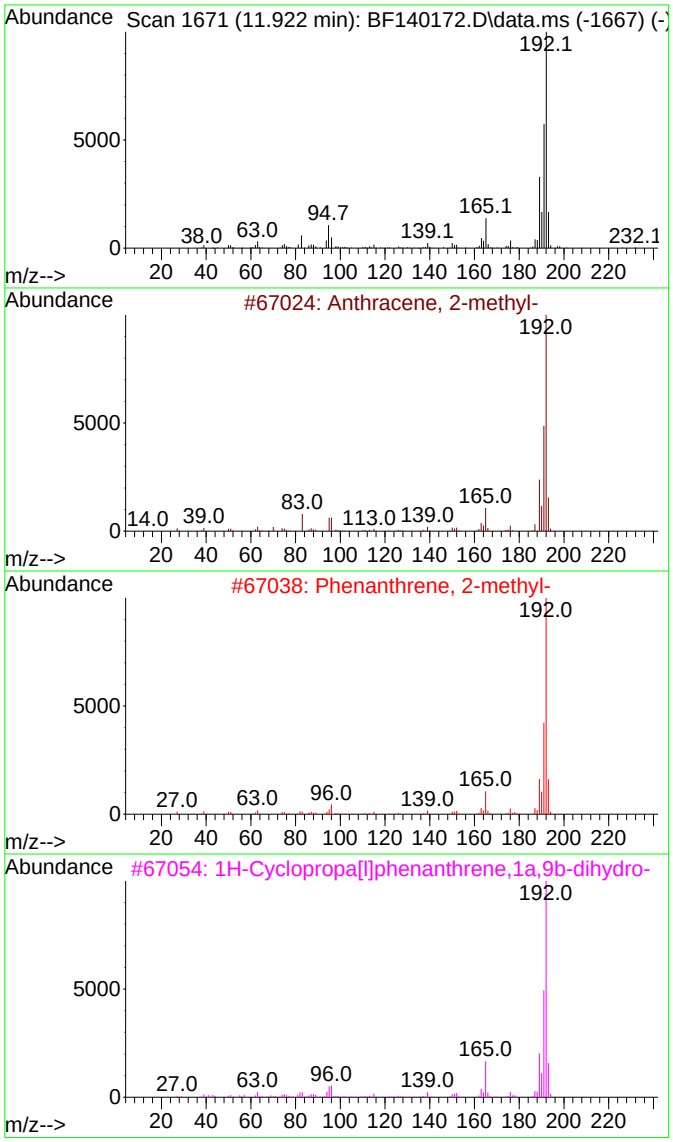
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

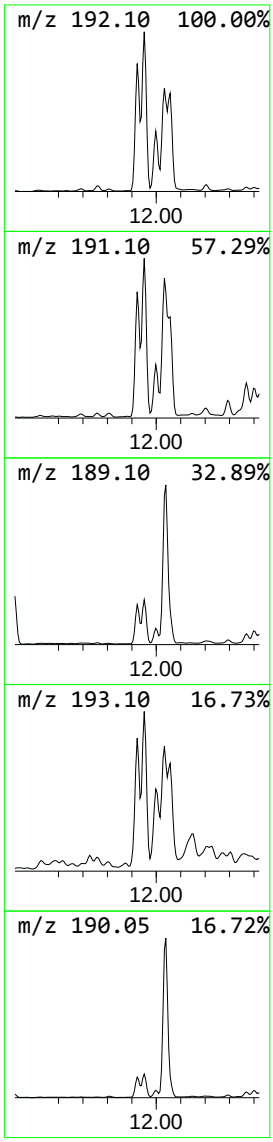
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	9.69 ng	256696	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

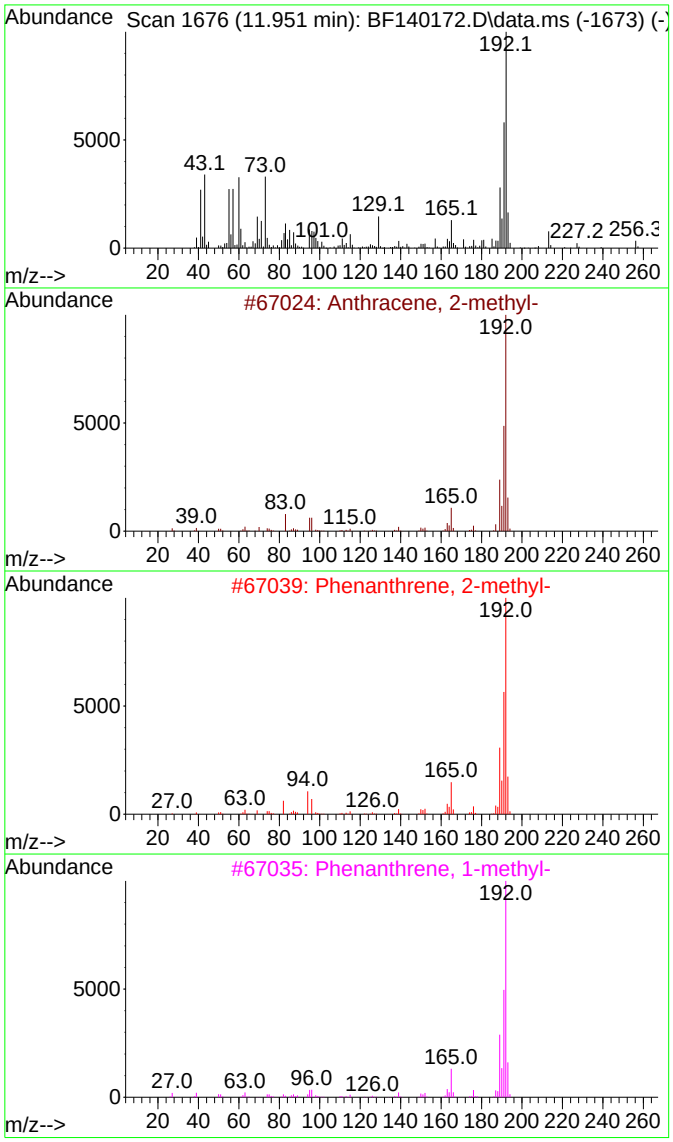
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

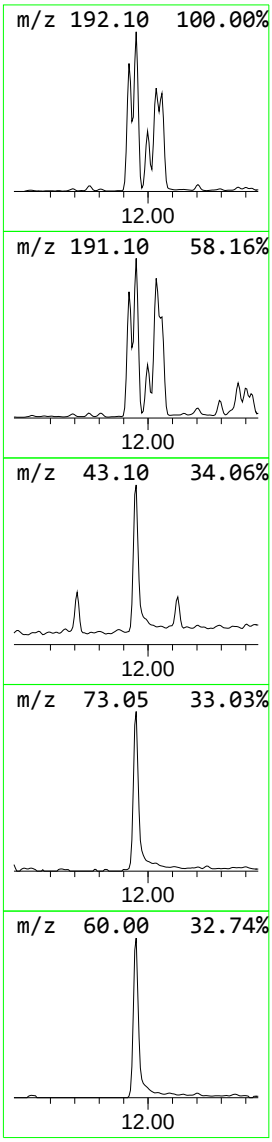
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	19.72 ng	522508	Phenanthrene-d10	11.422

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

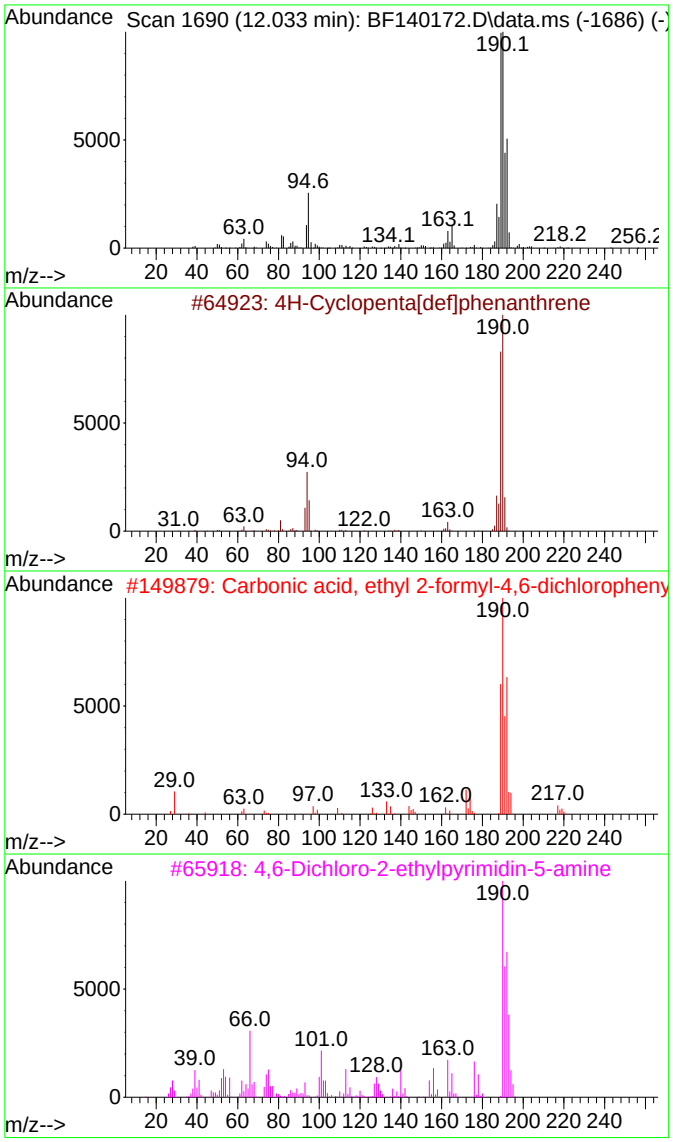
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

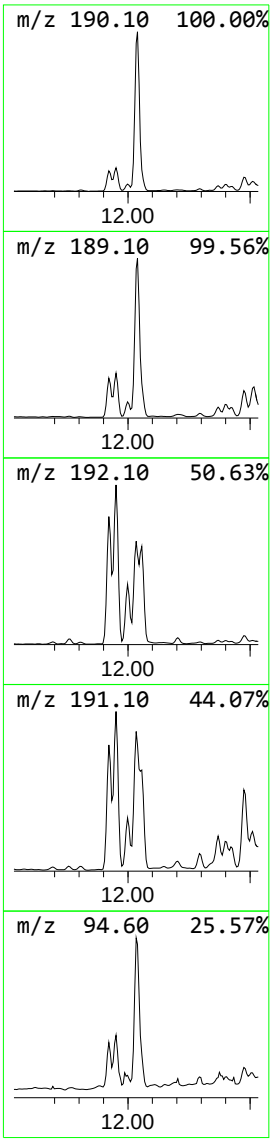
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	25.31 ng	670559	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

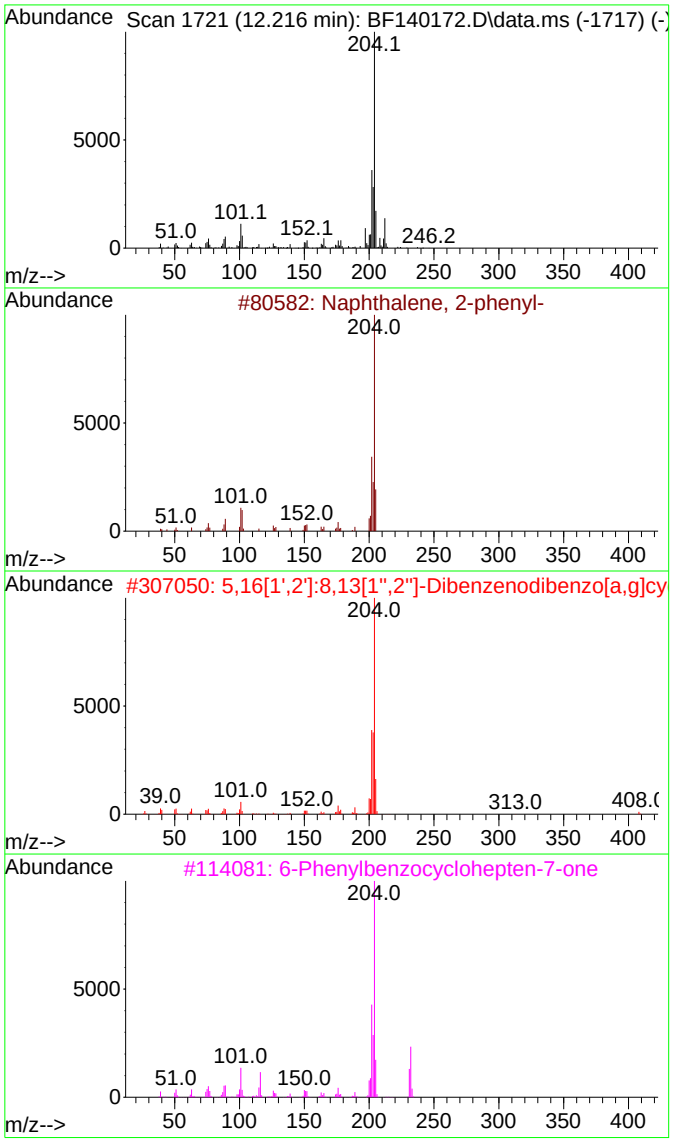
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

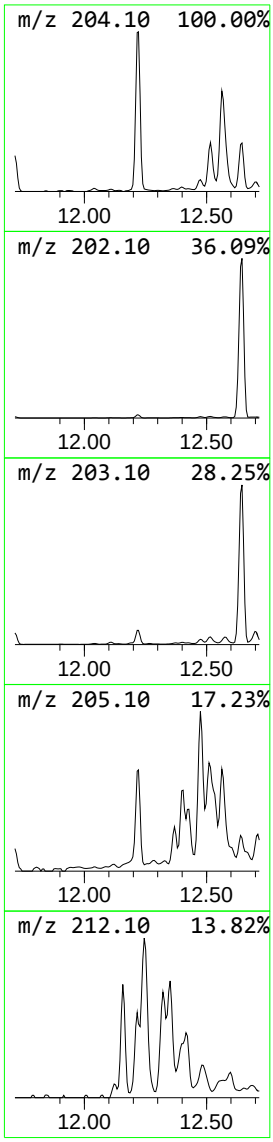
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	6.66 ng	176497	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

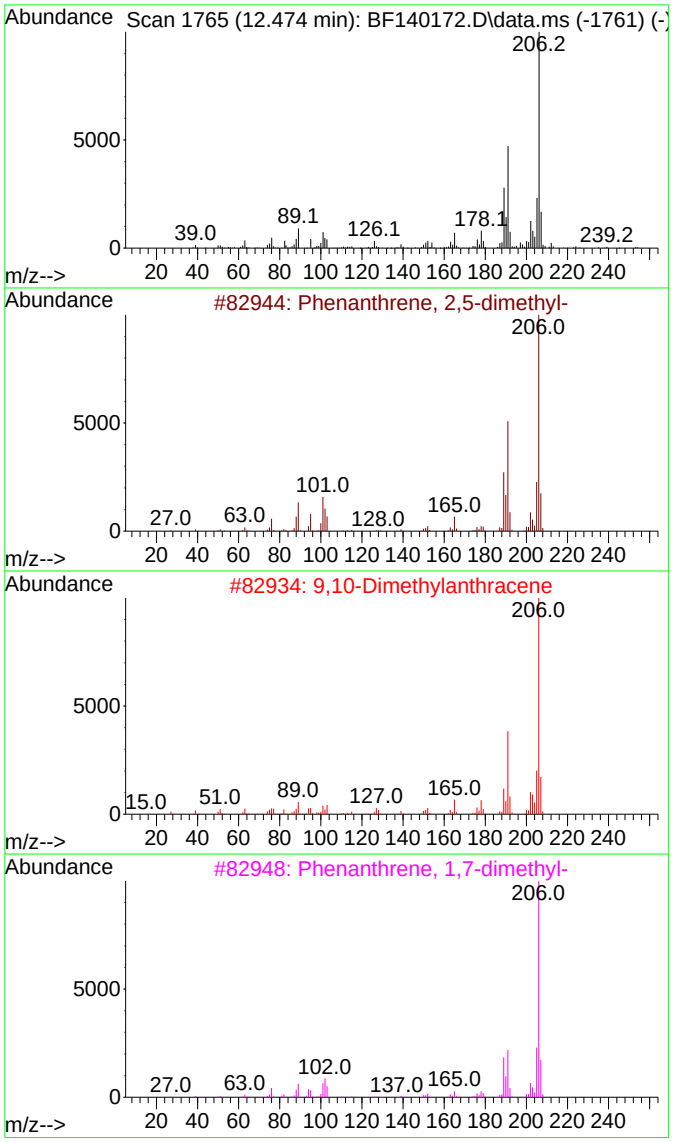
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

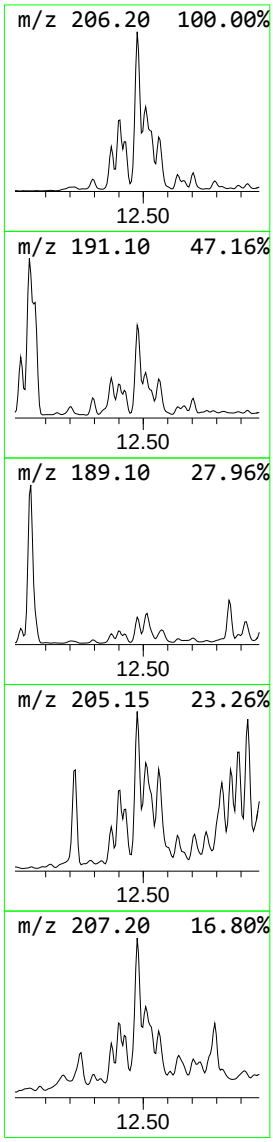
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	9.61 ng	254533	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

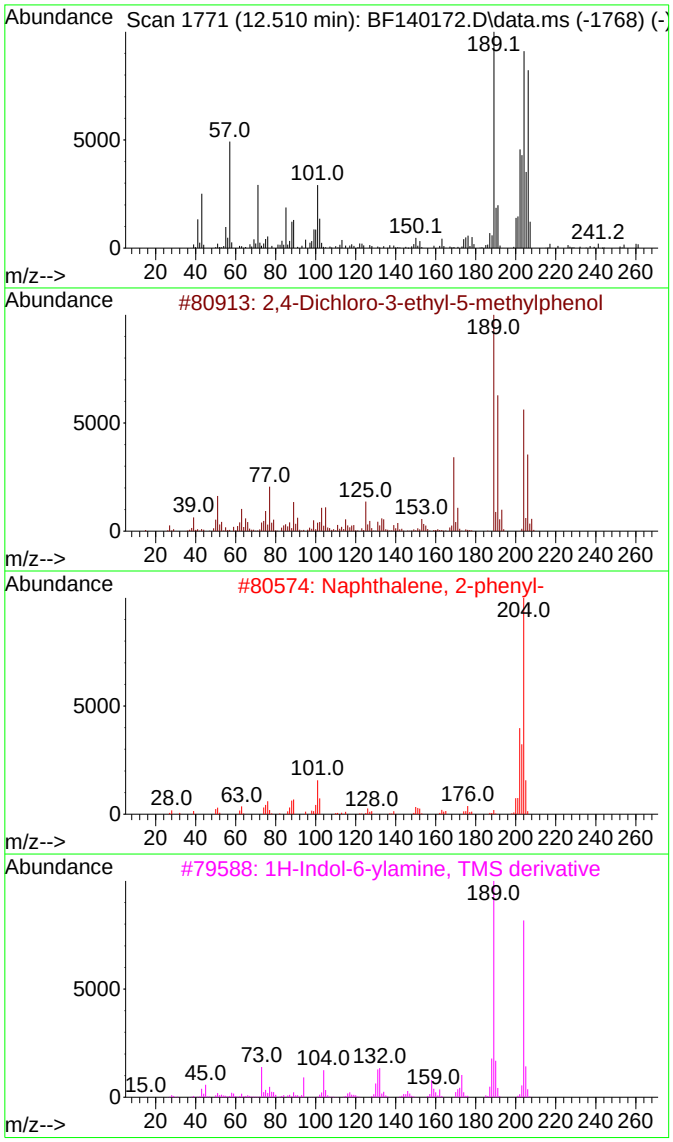
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

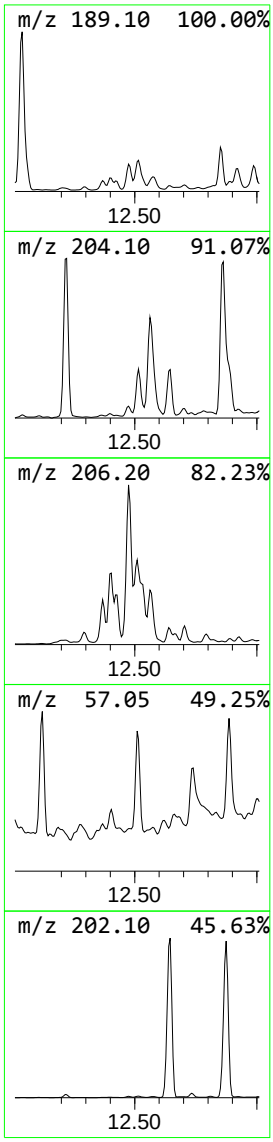
****

Peak Number 13 2,4-Dichloro-3-ethyl-5-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	8.67 ng	229654	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dichloro-3-ethyl-5-methylphenol	204	C9H10Cl2O	001127-60-2	52
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
3	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

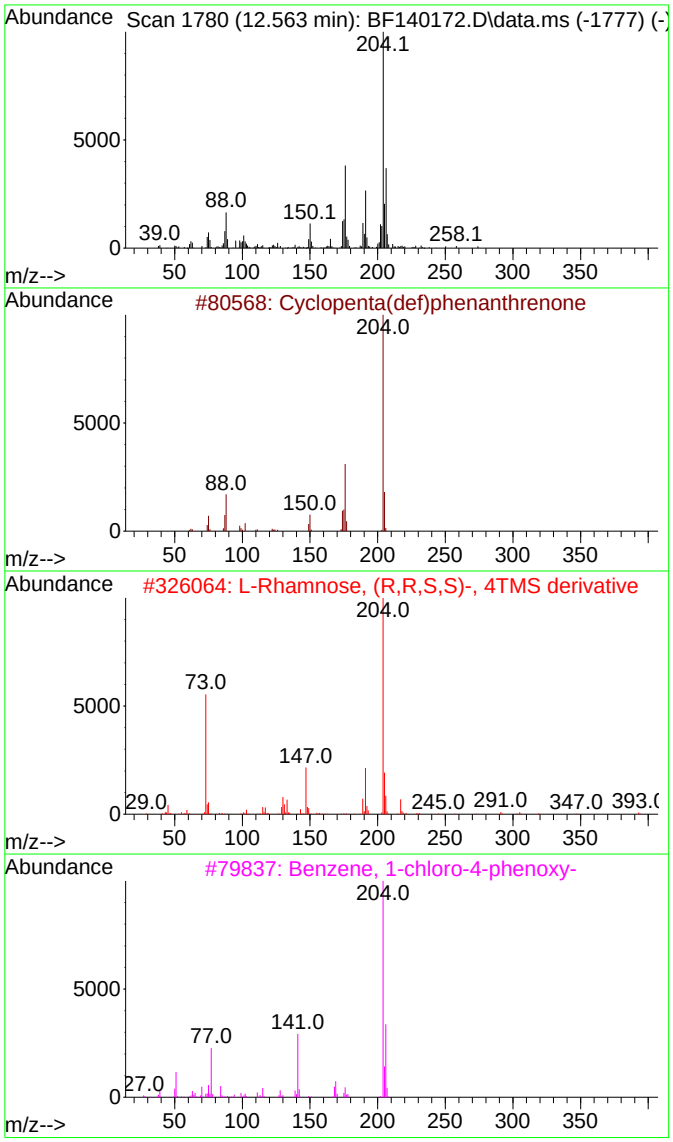
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

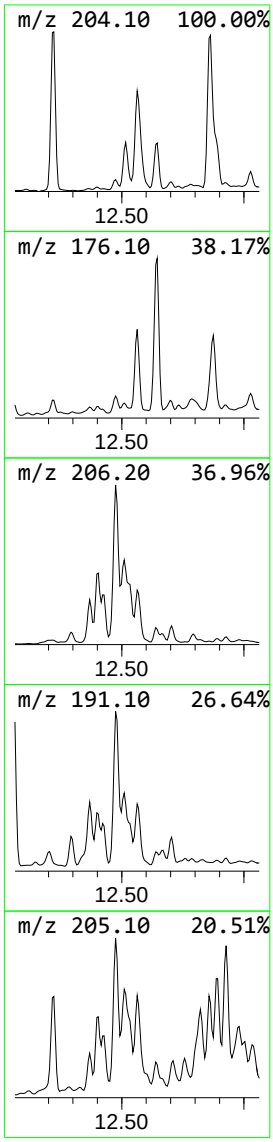
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	6.42 ng	170187	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

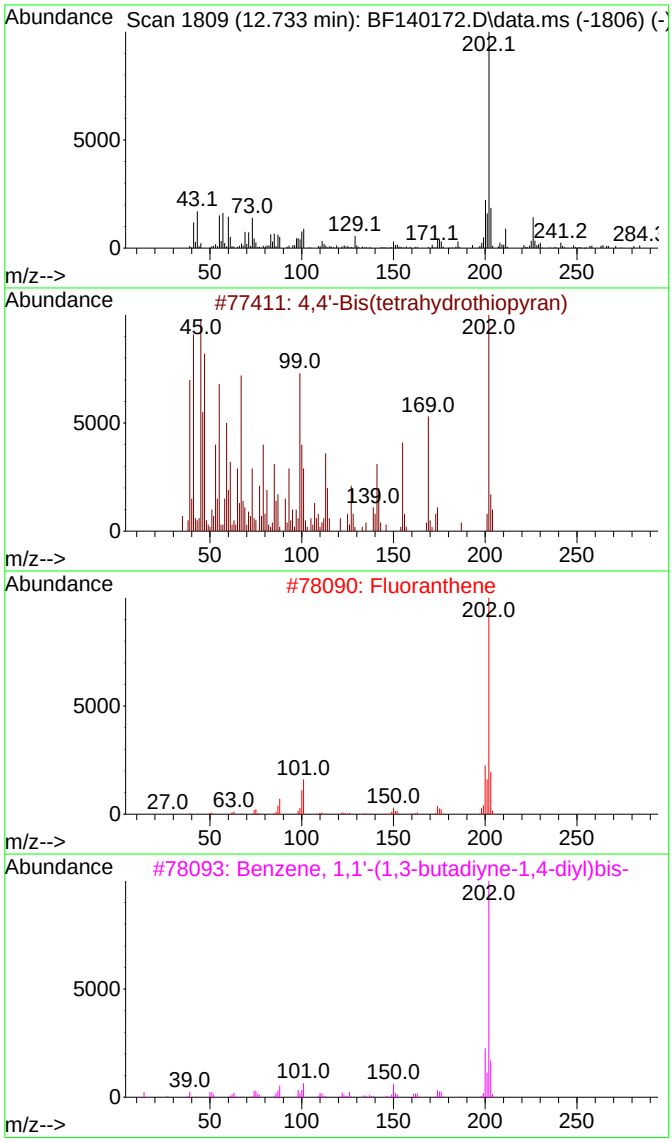
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

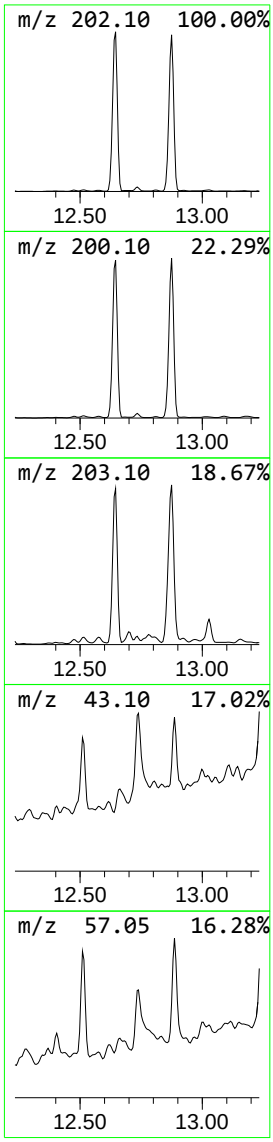
****

Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	3.45 ng	91376	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	86
2	Fluoranthene	202	C16H10	000206-44-0	78
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	60
4	Pyrene	202	C16H10	000129-00-0	60
5	4-Benzyl-1-(1-methyl-2-[(trimeth...	469	C27H43NO2Si2	1000408-11-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

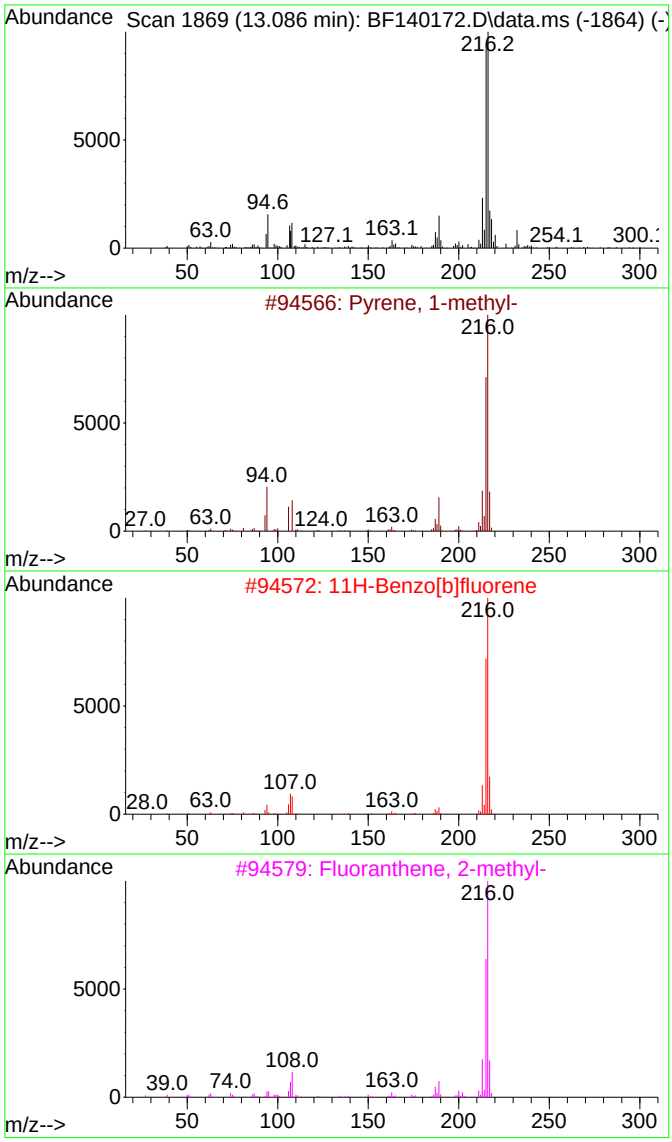
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

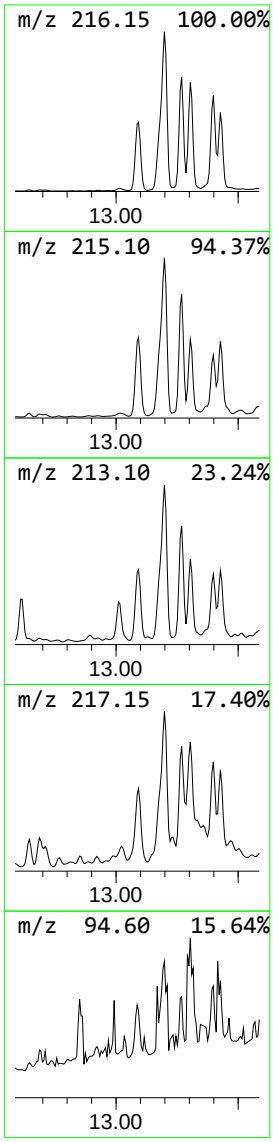
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	4.80 ng	390452	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

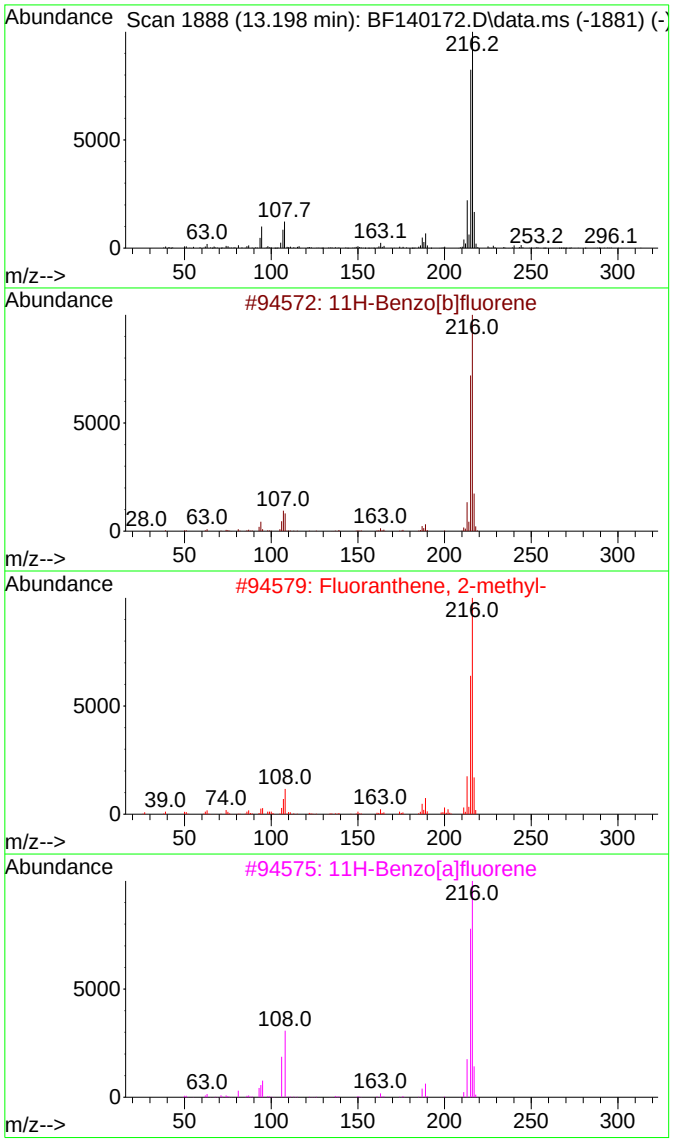
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

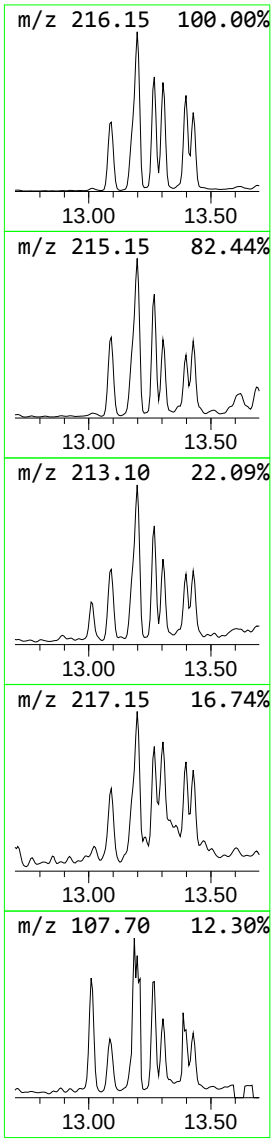
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	6.87 ng	559015	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

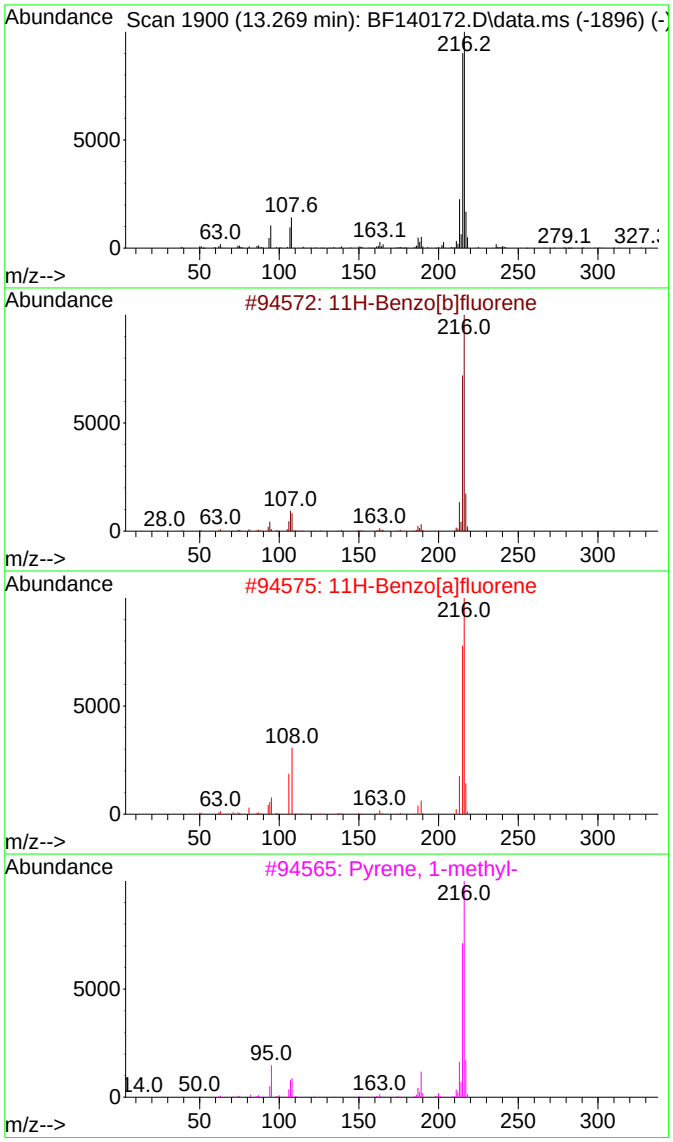
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

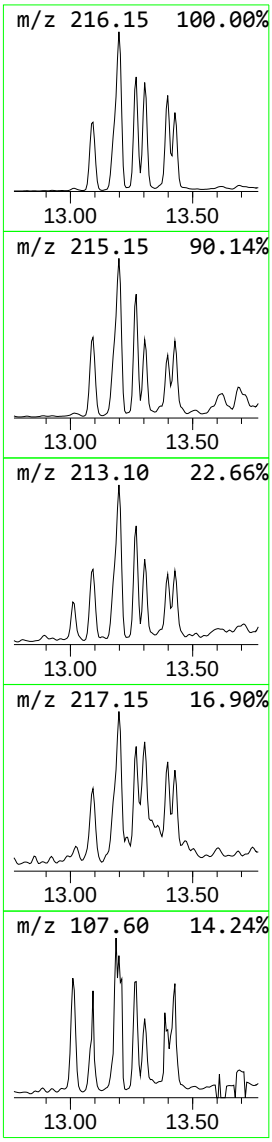
****

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	3.32 ng	270454	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

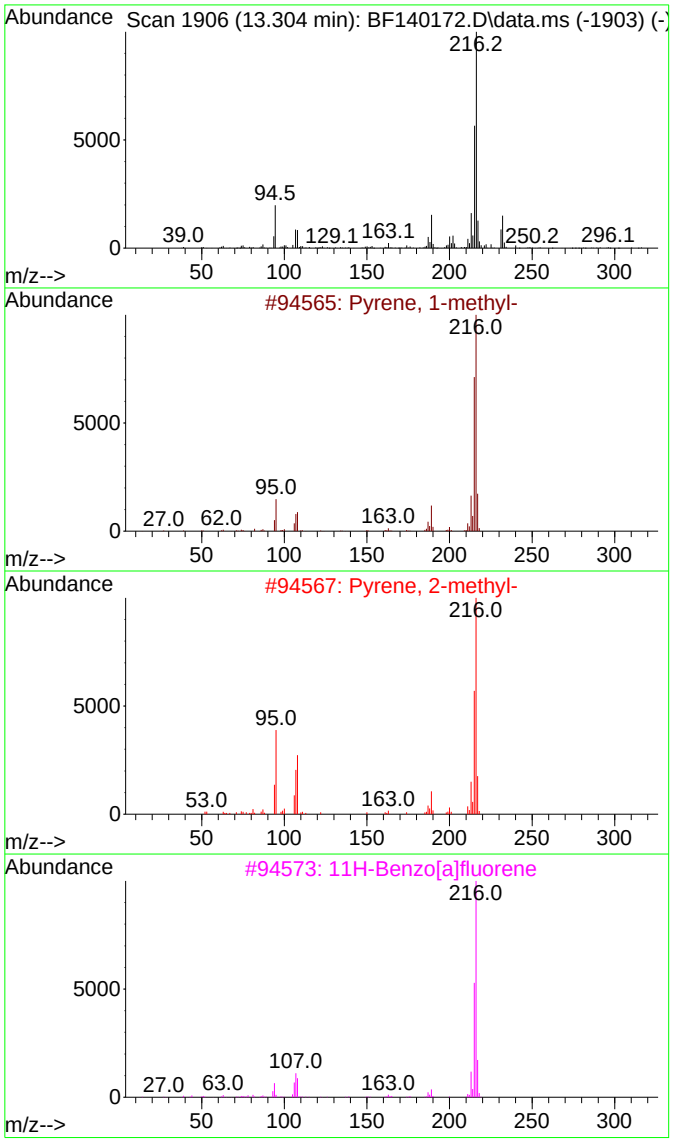
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

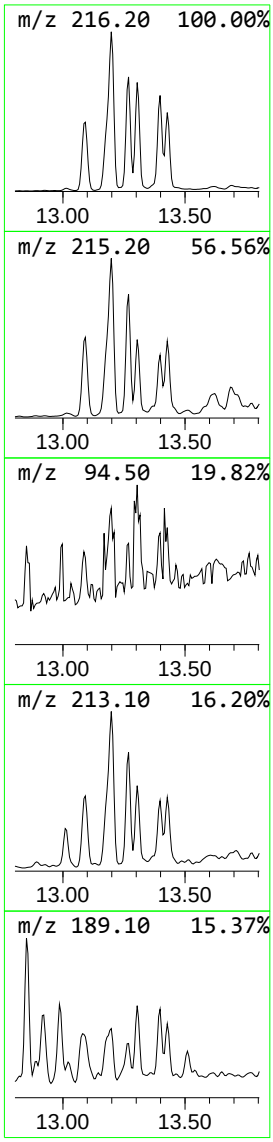
****

Peak Number 19 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.304	3.70 ng	301249	Chrysene-d12	14.074

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

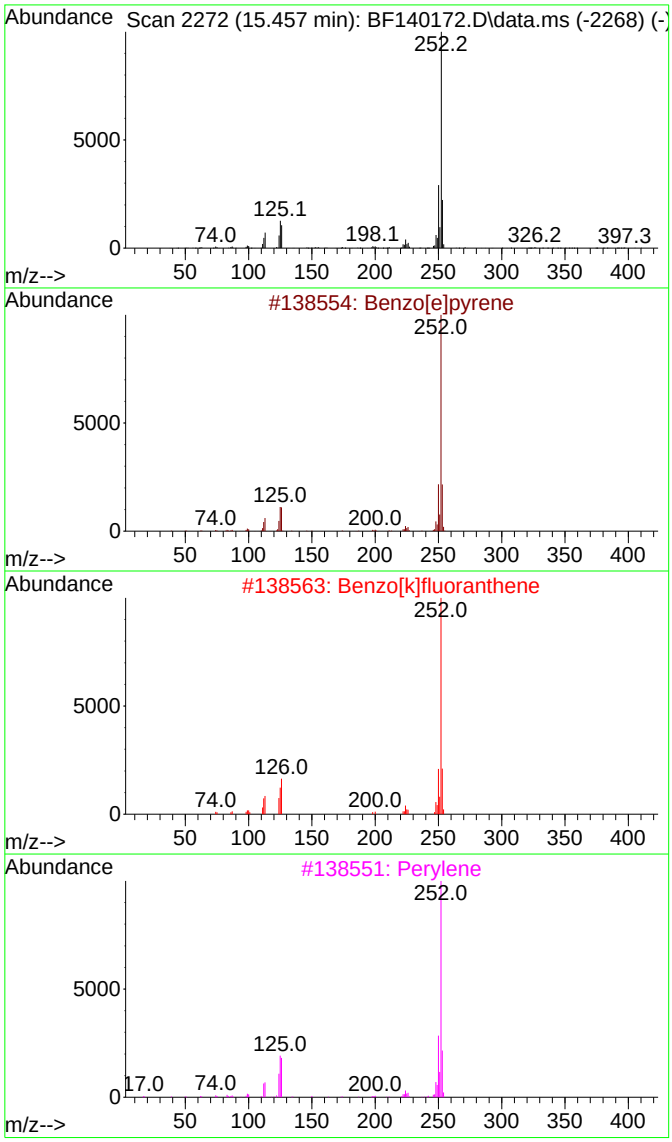
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

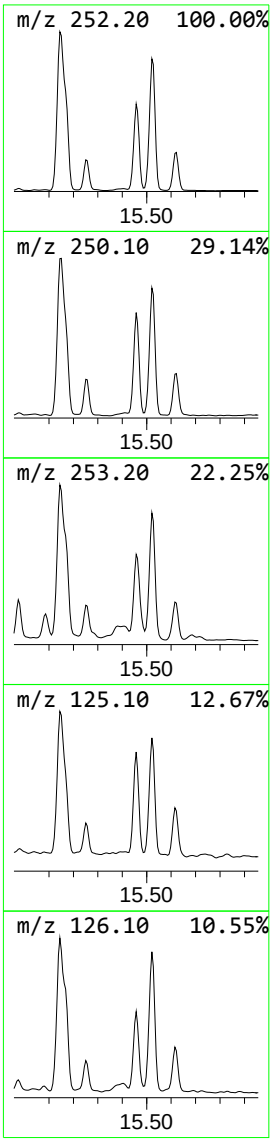
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.457	56.12 ng	551343	Perylene-d12	15.586

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	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
Operator : RC/JU
Sample : P4619-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.152	57.1	ng	1276760	1	6.887	447410	20.0
Naphthalene, 2,...	9.581	3.3	ng	84566	3	9.928	518324	20.0
Benzophenone	10.639	9.1	ng	235858	3	9.928	518324	20.0
unknown10.839	10.839	4.7	ng	124439	4	11.422	529851	20.0
9H-Fluorene, 2-...	11.022	3.2	ng	83656	4	11.422	529851	20.0
Naphtho[1,2-b]t...	11.316	5.2	ng	137813	4	11.422	529851	20.0
Anthracene, 9-e...	11.710	3.4	ng	88963	4	11.422	529851	20.0
Anthracene, 2-m...	11.922	9.7	ng	256696	4	11.422	529851	20.0
Phenanthrene, 2...	11.951	19.7	ng	522508	4	11.422	529851	20.0
4H-Cyclopenta[d...	12.033	25.3	ng	670559	4	11.422	529851	20.0
Naphthalene, 2-...	12.216	6.7	ng	176497	4	11.422	529851	20.0
Phenanthrene, 2...	12.475	9.6	ng	254533	4	11.422	529851	20.0
2,4-Dichloro-3-...	12.510	8.7	ng	229654	4	11.422	529851	20.0
Cyclopenta(def)...	12.563	6.4	ng	170187	4	11.422	529851	20.0
4,4'-Bis(tetrah...	12.733	3.5	ng	91376	4	11.422	529851	20.0
Pyrene, 1-methyl-	13.086	4.8	ng	390452	5	14.074	1627960	20.0
11H-Benzo[b]flu...	13.198	6.9	ng	559015	5	14.074	1627960	20.0
11H-Benzo[a]flu...	13.269	3.3	ng	270454	5	14.074	1627960	20.0
Pyrene, 2-methyl-	13.304	3.7	ng	301249	5	14.074	1627960	20.0
Benzo[e]pyrene	15.457	56.1	ng	551343	6	15.586	196502	20.0