LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-124042

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127040.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.534	547	552	555	rBV	2869715	2806073	27.39%	4.046%
2	6.534	716	722	725	rBV	2684034	2967739	28.97%	4.279%
3	6.904	781	785	789	rBV	779484	623714	6.09%	0.899%
4	7.469	876	881	884	rBV	2001144	1981998	19.35%	2.858%
5	8.187	999	1003	1005	rBV	958375	882336	8.61%	1.272%
6	8.210	1005	1007	1010	rVB	1063284	783153	7.64%	1.129%
7	8.898	1120	1124	1128	rVB	1002509	910626	8.89%	1.313%
8	8.998	1136	1141	1145	rBV	588029	499280	4.87%	0.720%
9	9.263	1181	1186	1189	rVB	3477335	2852366	27.84%	4.112%
10	9.363	1200	1203	1207	rVB	436925	335835	3.28%	0.484%
11	9.457	1216	1219	1224	rVB	166226	158403	1.55%	0.228%
12	9.528	1225	1231	1235	rBV2	240250	331133	3.23%	0.477%
13	9.598	1239	1243	1246	rBV	300967	320604	3.13%	0.462%
14	9.628	1246	1248	1251	rVB	219325	160421	1.57%	0.231%
15	9.716	1260	1263	1265	rBV	128728	110501	1.08%	0.159%
16	9.804	1275	1278	1282	rVB	284891	235246	2.30%	0.339%
17	9.928	1295	1299	1300	rBV	199019	178371	1.74%	0.257%
18	9.945	1300	1302	1305	rVV	983145	850157	8.30%	1.226%
19	9.986	1305	1309	1311	rVB	4140903	3425213	33.43%	4.938%
20	10.104	1323	1329	1333	rBV	170330	163656	1.60%	0.236%
21	10.151	1333	1337	1340	rVB	1893790	1649807	16.10%	2.379%
22	10.498	1391	1396	1399	rBV	3149181	2922099	28.52%	4.213%
23	10.545	1399	1404	1405	rVV	158149	130279	1.27%	0.188%
24	10.563	1405	1407	1408	rVV	289860	236620	2.31%	0.341%
25	10.581	1408	1410	1412	rVV	385759	298788	2.92%	0.431%
26	10.628	1416	1418	1420	rVV	212504	172958	1.69%	0.249%
27	10.651	1420	1422	1428	rVB	470701	357519	3.49%	0.515%
28	10.739	1430	1437	1440	rBV	2895784	2686751	26.23%	3.874%
29	10.857	1455	1457	1463	rVB2	93775	105128	1.03%	0.152%
30	11.039	1482	1488	1491	rBV2	399632	514797	5.03%	0.742%
31	11.069	1491	1493	1496	rVV2	171763	161807	1.58%	0.233%
32	11.128	1499	1503	1505	rVV3	150524	160600	1.57%	0.232%
33	11.169	1505	1510	1512	rVV2	131711	179002	1.75%	0.258%
34	11.192	1512	1514	1520	rVV	159619	218480	2.13%	0.315%
35	11.239	1520	1522	1526	rVV4	141766	132501	1.29%	0.191%
36	11.292	1526	1531	1534	rVV3	178531	291043	2.84%	0.420%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.333	1535	1538	1544	rVB	865250	731201	7.14%	1.054%
38	11.480	1557	1563	1565	rVB	7706212	10244518	100.00%	14.770%
39	11.522	1565	1570	1572	rVB	1333375	1109445	10.83%	1.600%
40	11.669	1588	1595	1601	rBV2	443186	567356	5.54%	0.818%
41	11.733	1603	1606	1609	rVV2	170467	158132	1.54%	0.228%
42	11.769	1609	1612	1617	rVB3	97817	109715	1.07%	0.158%
43	11.939	1635	1641	1644	rBV	805555	955108	9.32%	1.377%
44	11.969	1644	1646	1649	rVV	1103570	855128	8.35%	1.233%
45	12.016	1651	1654	1657	rVV	339751	304532	2.97%	0.439%
46	12.057	1657	1661	1667	rVB2	1701512	1868512	18.24%	2.694%
47	12.233	1688	1691	1694	rBV	522001	436534	4.26%	0.629%
48	12.263	1694	1696	1699	rVB2	162424	132171	1.29%	0.191%
49	12.486	1731	1734	1737	rBV	159318	175816	1.72%	0.253%
50	12.527	1737	1741	1743	rVV3	122048	153885	1.50%	0.222%
51	12.580	1747	1750	1754	rBV2	116434	142535	1.39%	0.206%
52	12.669	1759	1765	1768	rBV	5559467	6199431	60.51%	8.938%
53	12.804	1781	1788	1792	rBV2	163444	237355	2.32%	0.342%
54	12.898	1796	1804	1807	rBV3	3465281	4869595	47.53%	7.021%
55	12.927	1807	1809	1814	rVB2	194278	190287	1.86%	0.274%
56	12.998	1818	1821	1822	rBV2	234832	201270	1.96%	0.290%
57	13.022	1822	1825	1832	rVB	2490859	2322544	22.67%	3.349%
58	13.104	1833	1839	1842	rBV2	185987	334554	3.27%	0.482%
59	13.186	1849	1853	1854	rBV3	128870	146088	1.43%	0.211%
60	13.210	1854	1857	1860	rVB	618150	556745	5.43%	0.803%
61	13.280	1865	1869	1871	rBV	593734	540266	5.27%	0.779%
62	13.316	1871	1875	1877	rVV2	209125	232867	2.27%	0.336%
63	13.339	1877	1879	1882	rVB	149516	115026	1.12%	0.166%
64	13.439	1893	1896	1899	rBV3	105438	113167	1.10%	0.163%
65	13.833	1959	1963	1965	rBV	185601	193700	1.89%	0.279%
66	13.857	1965	1967	1969	rVV	176858	140614	1.37%	0.203%
67	13.880	1969	1971	1975	rVV2	111061	153476	1.50%	0.221%
68	13.921	1975	1978	1984	rVB4	167337	241818	2.36%	0.349%
69	14.074	1997	2004	2008	rBV2	1107183	1559249	15.22%	2.248%
70	14.110	2008	2010	2015	rVB	648441	542502	5.30%	0.782%
71	14.186	2020	2023	2028	rBV	166031	151269	1.48%	0.218%
72	15.139	2180	2185	2188	rBV	381955	590403	5.76%	0.851%
73	15.451	2234	2238	2244	rVB	197914	249429	2.43%	0.360%
74	15.515	2245	2249	2254	rVB	242632	305755	2.98%	0.441%
75	15.580	2256	2260	2263	rBV	359902	431520	4.21%	0.622%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

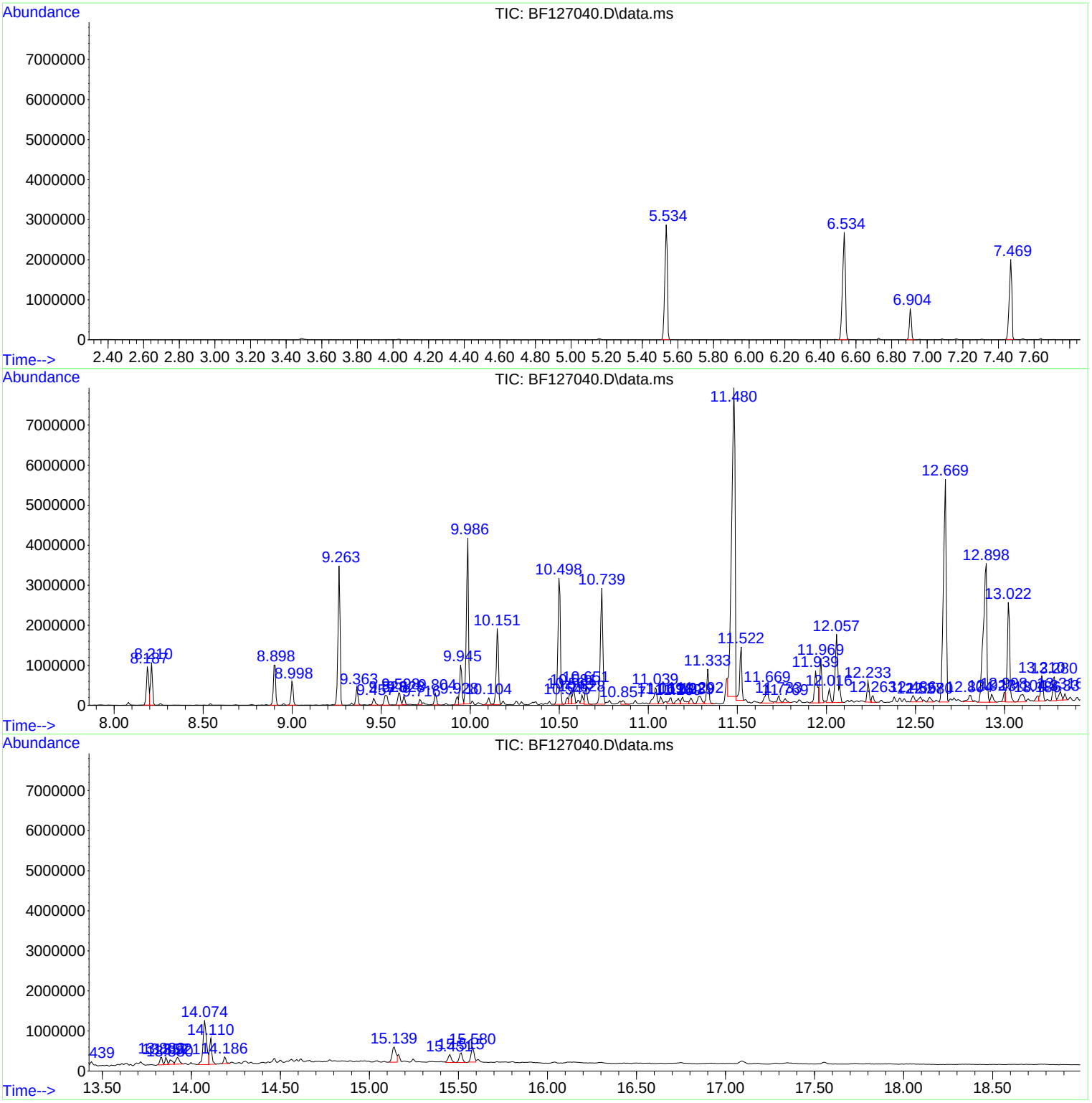
Sum of corrected areas: 69358522

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

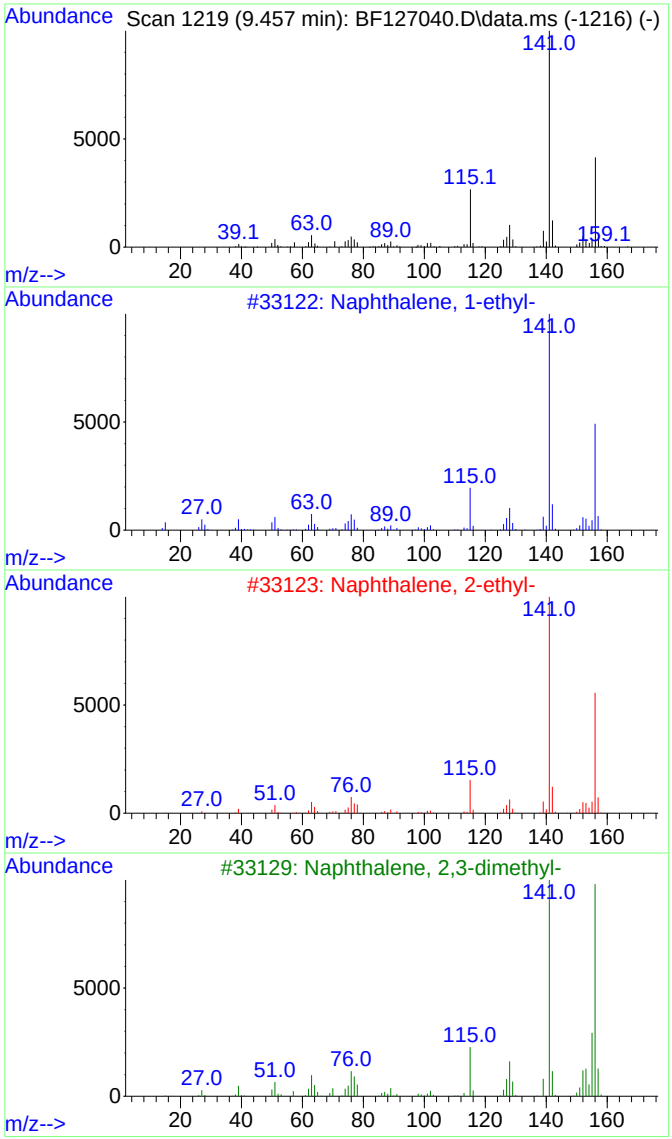
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

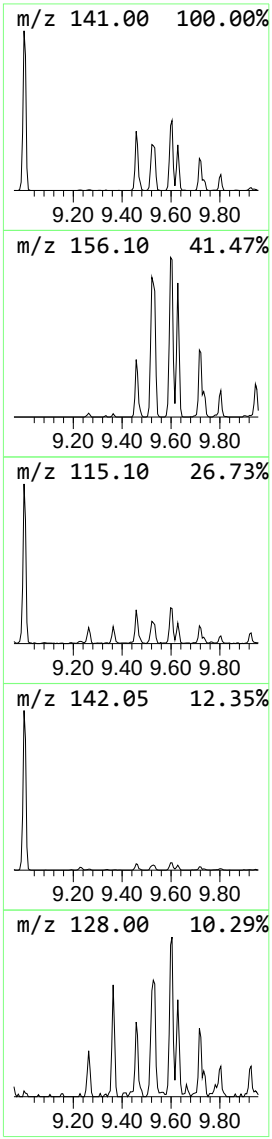
****

Peak Number 1 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	3.73 ng	158403	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	72
4	2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	64
5	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

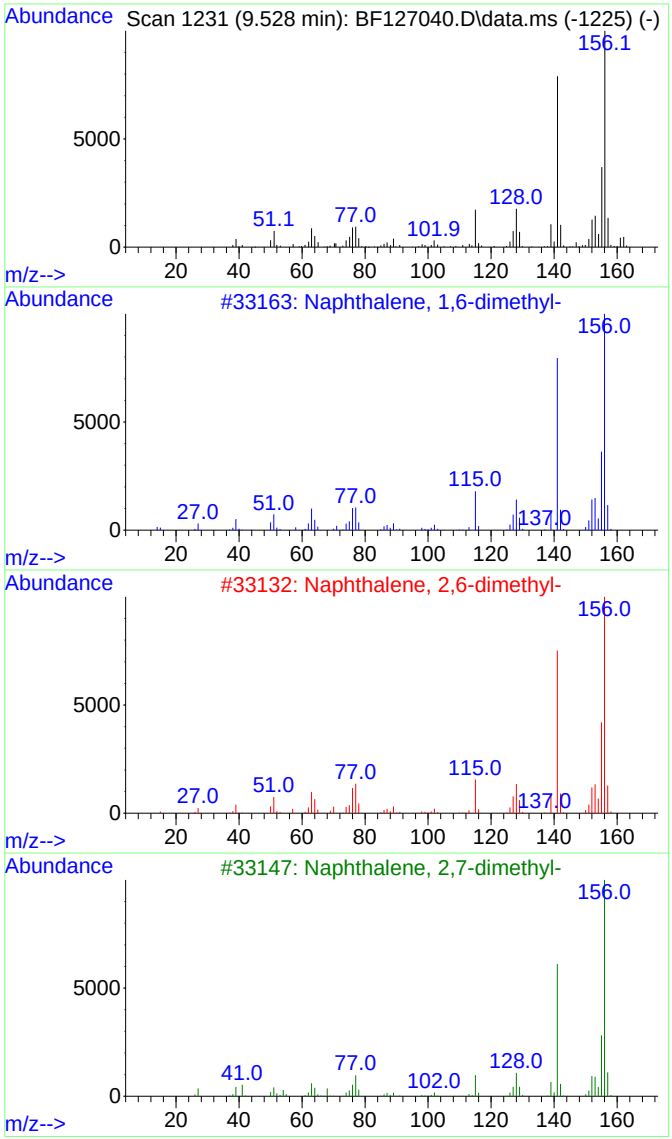
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

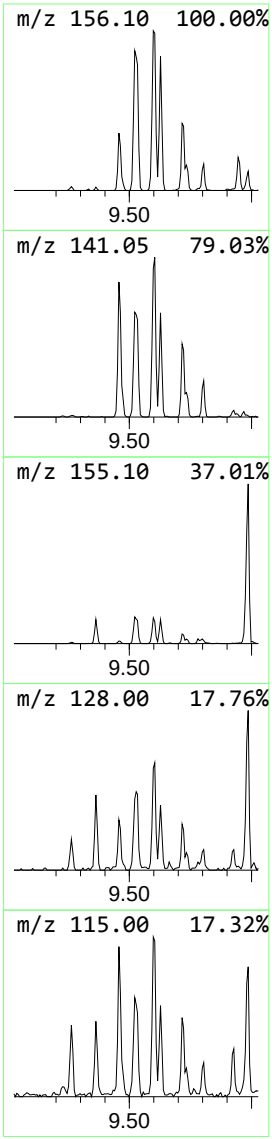
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.528	7.79 ng	331133	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

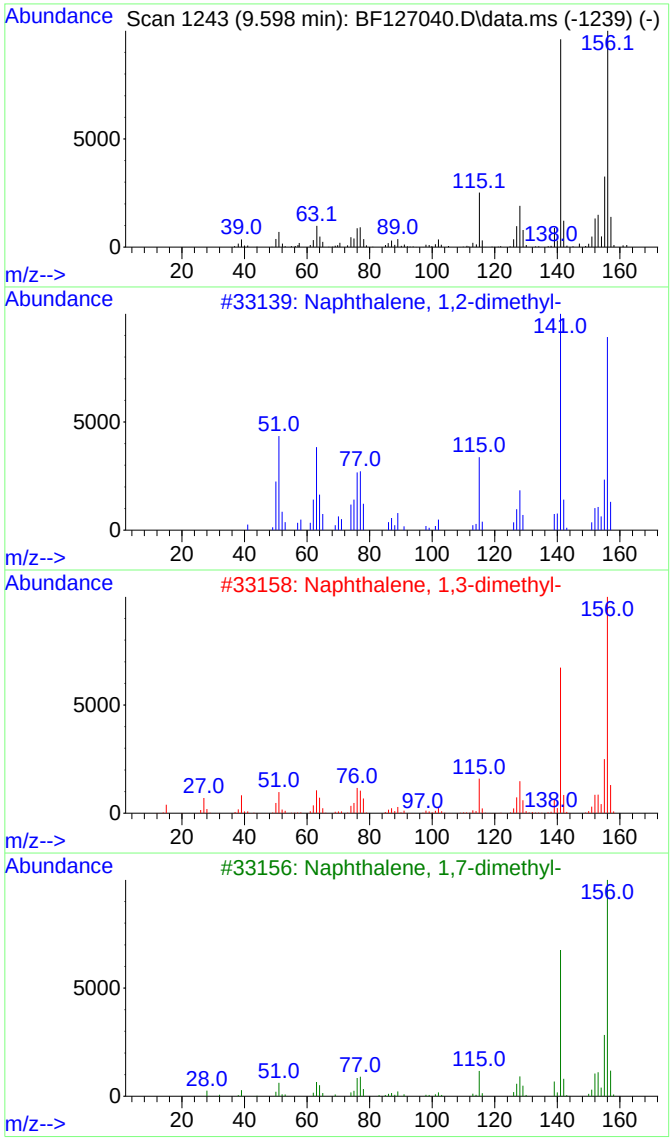
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

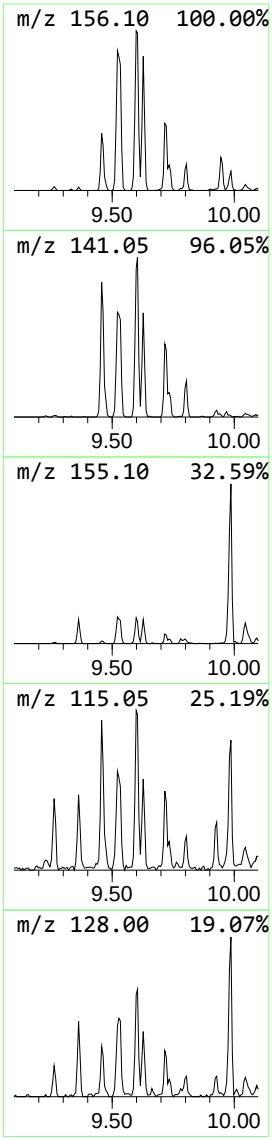
****

Peak Number 3 Naphthalene, 1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.598	7.54 ng	320604	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

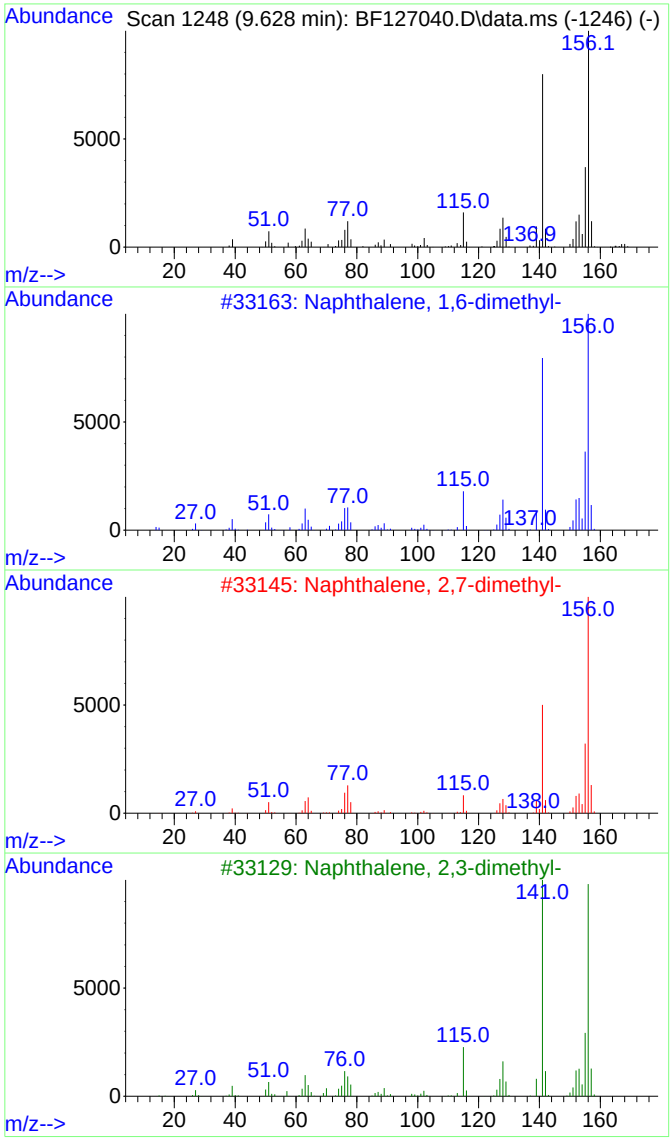
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

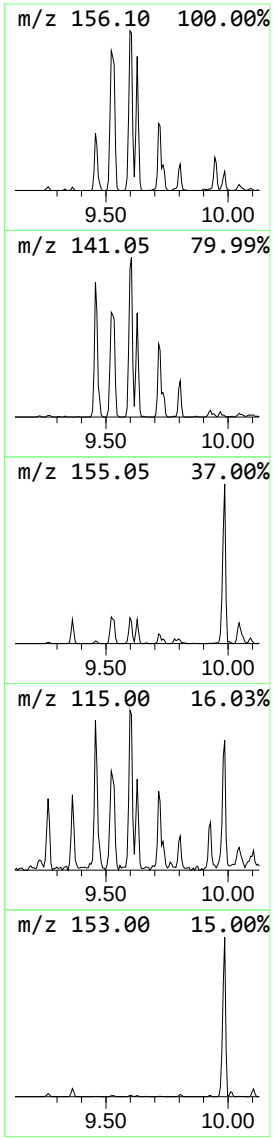
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.628	3.77 ng	160421	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

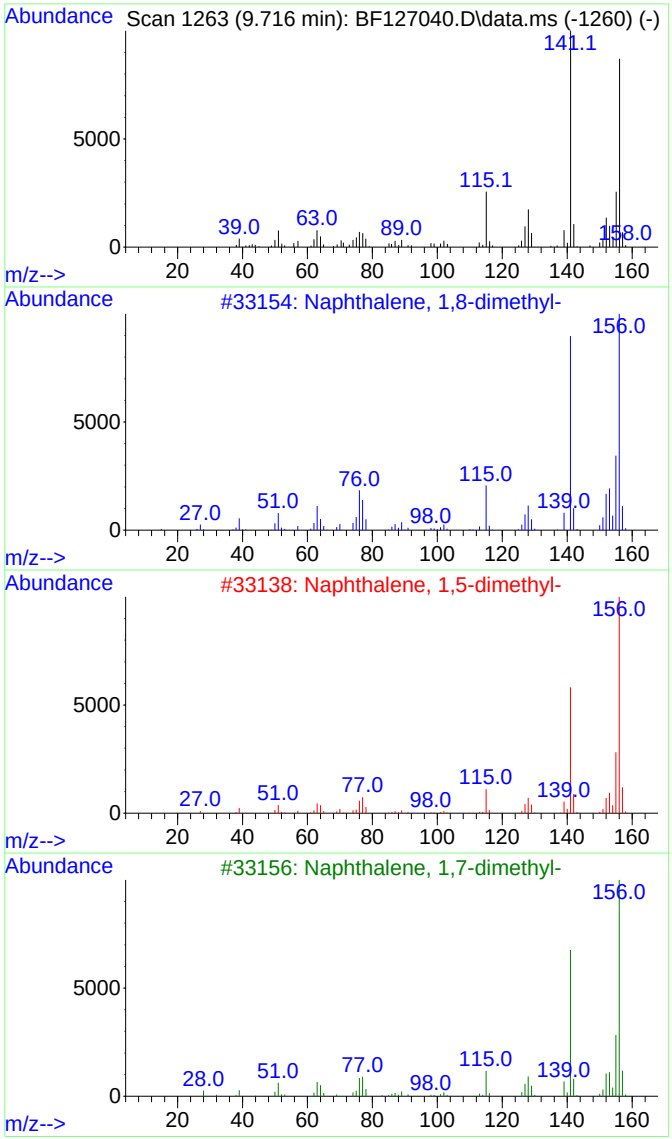
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

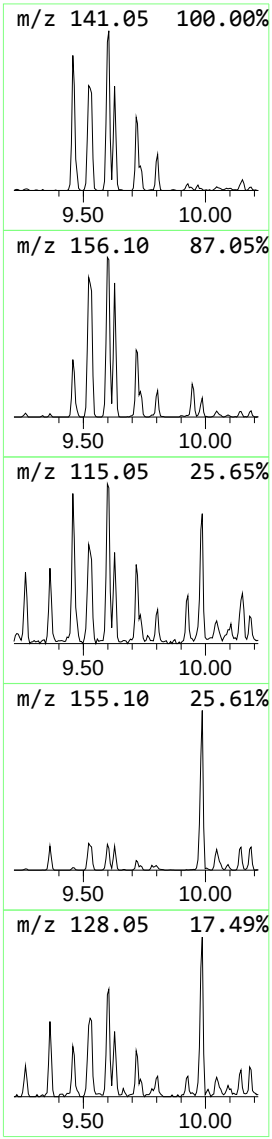
****

Peak Number 5 Naphthalene, 1,8-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.716	2.60 ng	110501	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

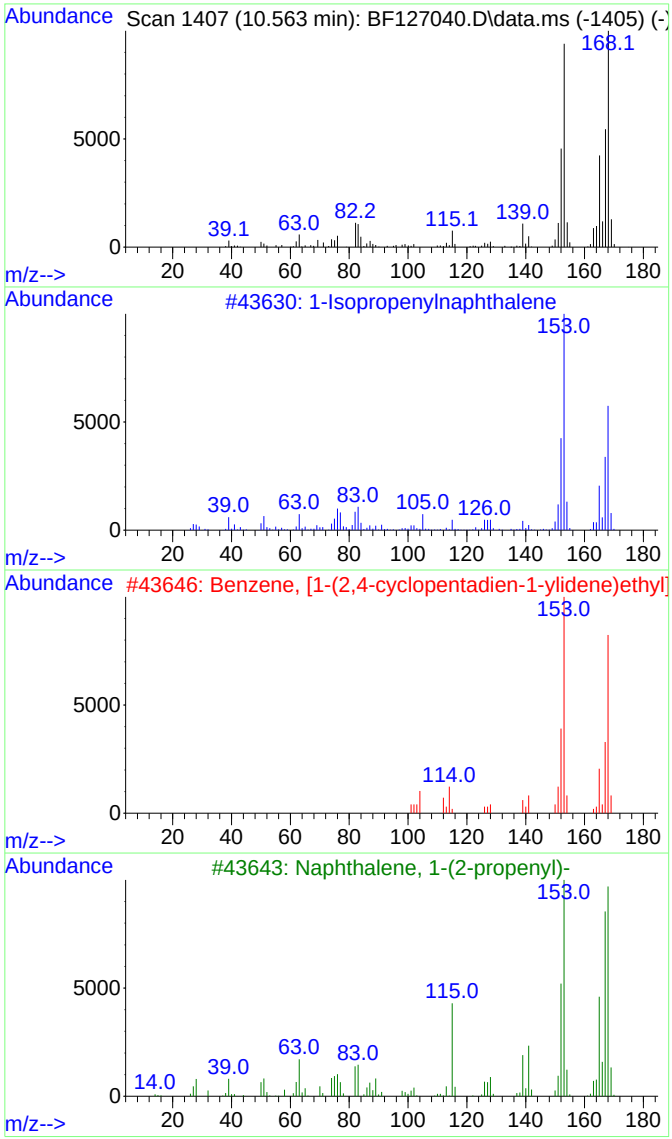
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

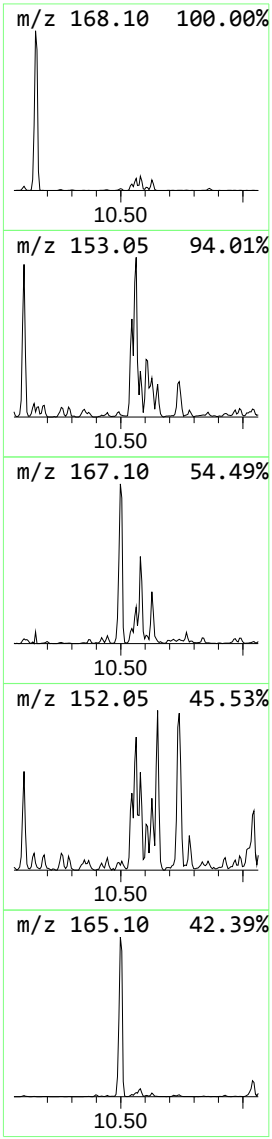
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.563	5.57 ng	236620	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

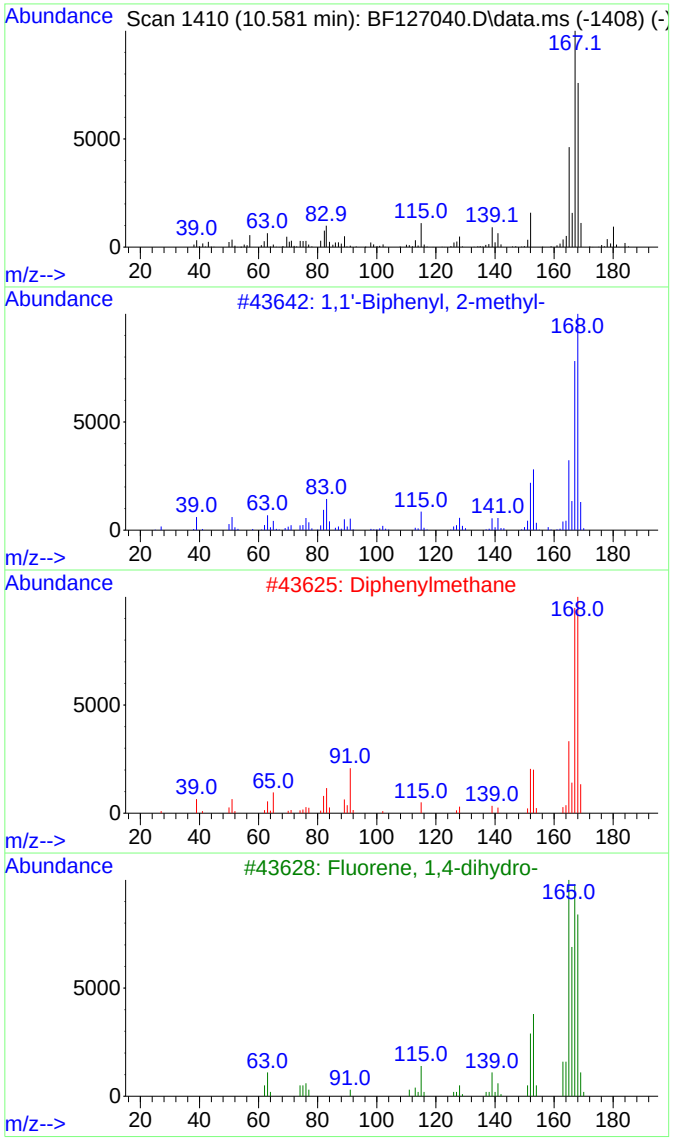
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

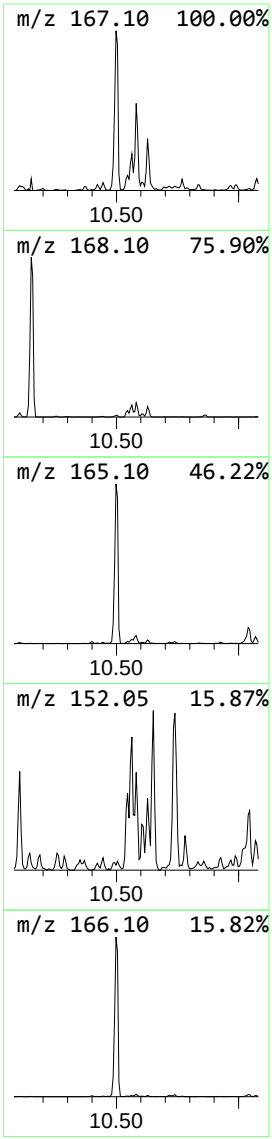
****

Peak Number 7 1,1'-Biphenyl, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.581	7.03 ng	298788	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	Diphenylmethane	168	C13H12	000101-81-5	70
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	58
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

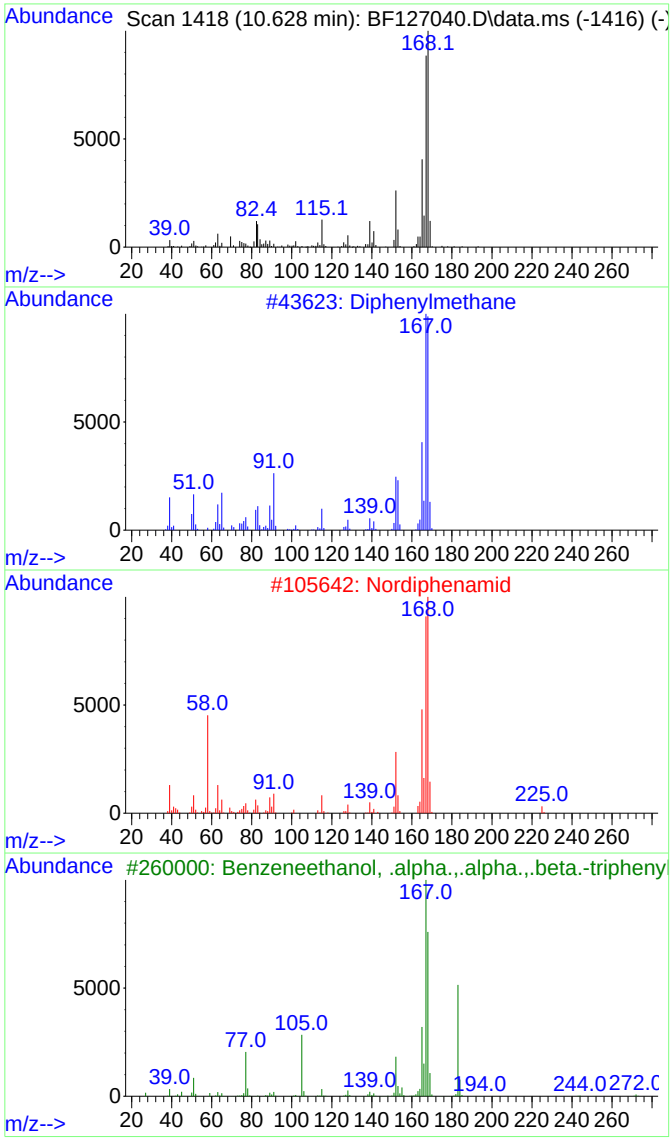
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

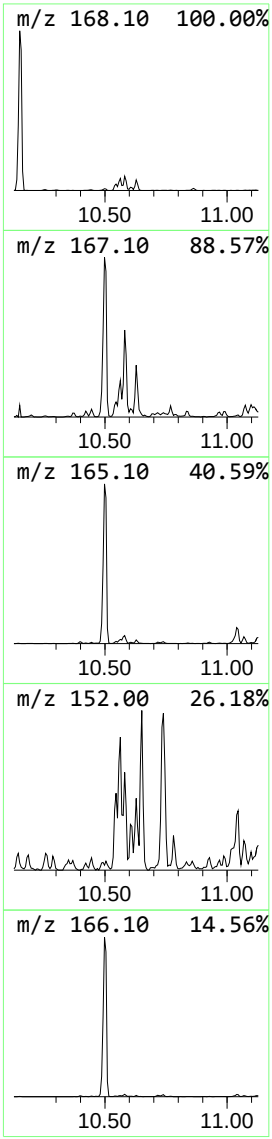
****

Peak Number 8 Diphenylmethane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.07 ng	172958	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	90
2	Nordiphenamid	225	C15H15NO	000954-21-2	90
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	78
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

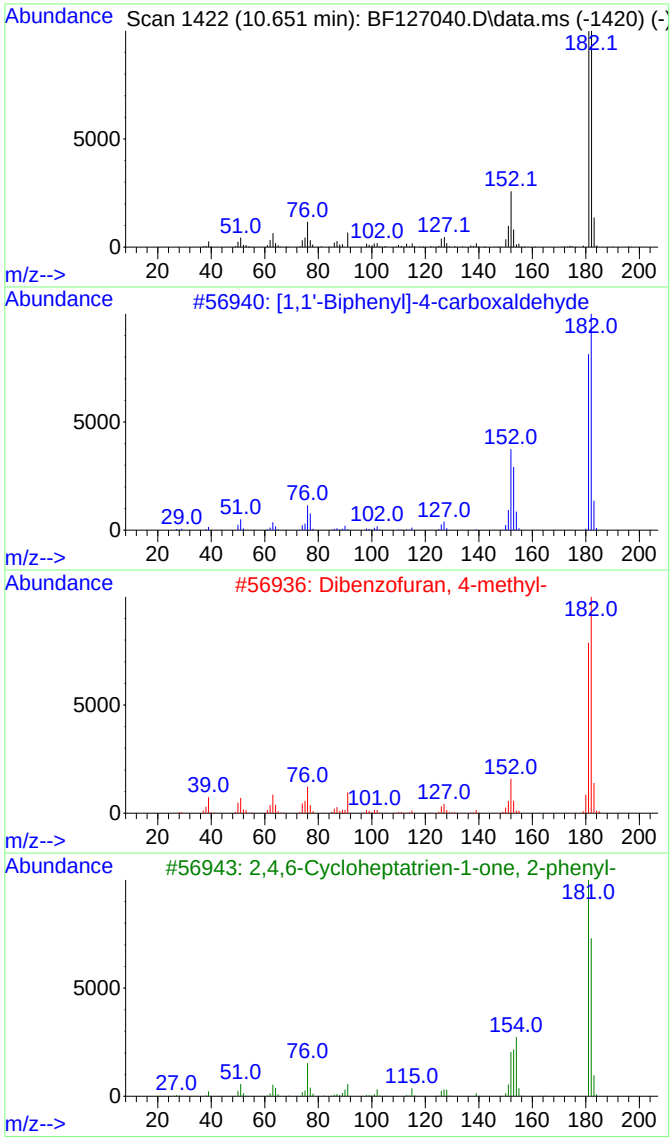
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

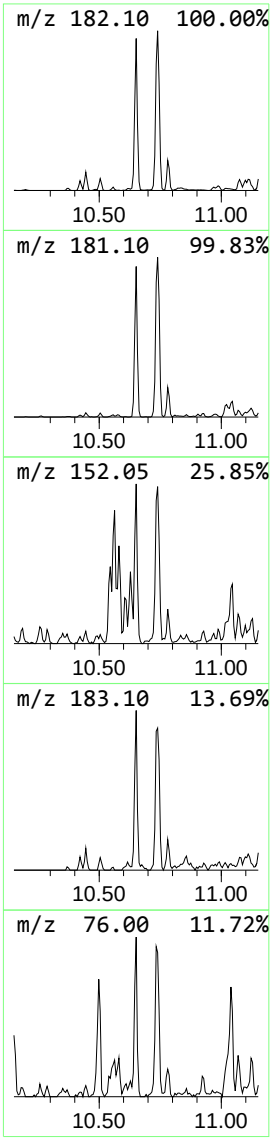
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	8.41 ng	357519	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	93
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	81
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

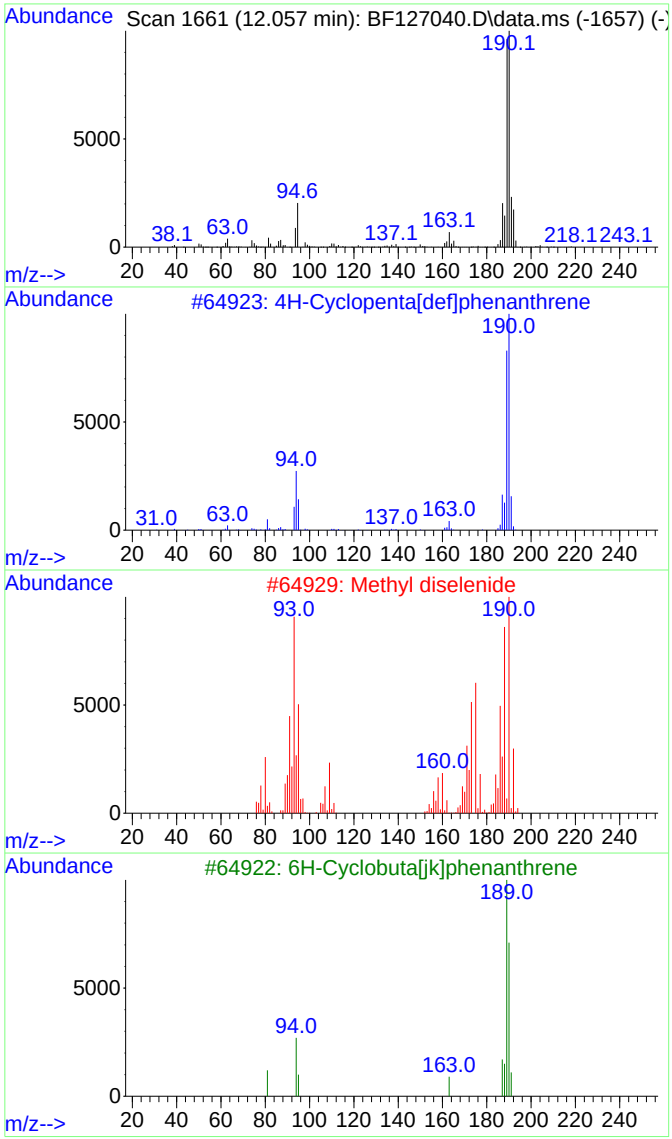
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

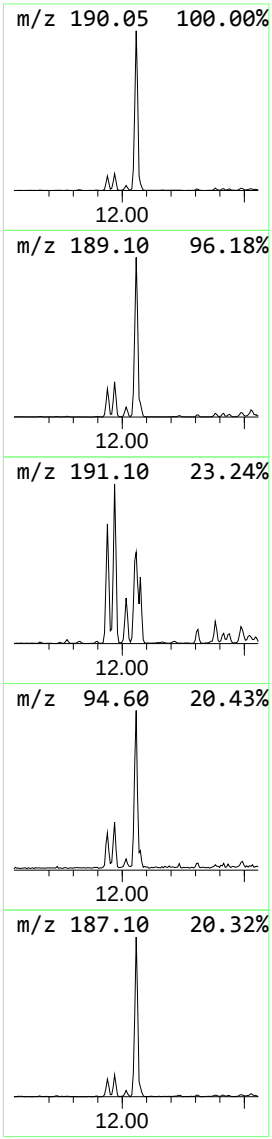
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	3.65 ng	1868510	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

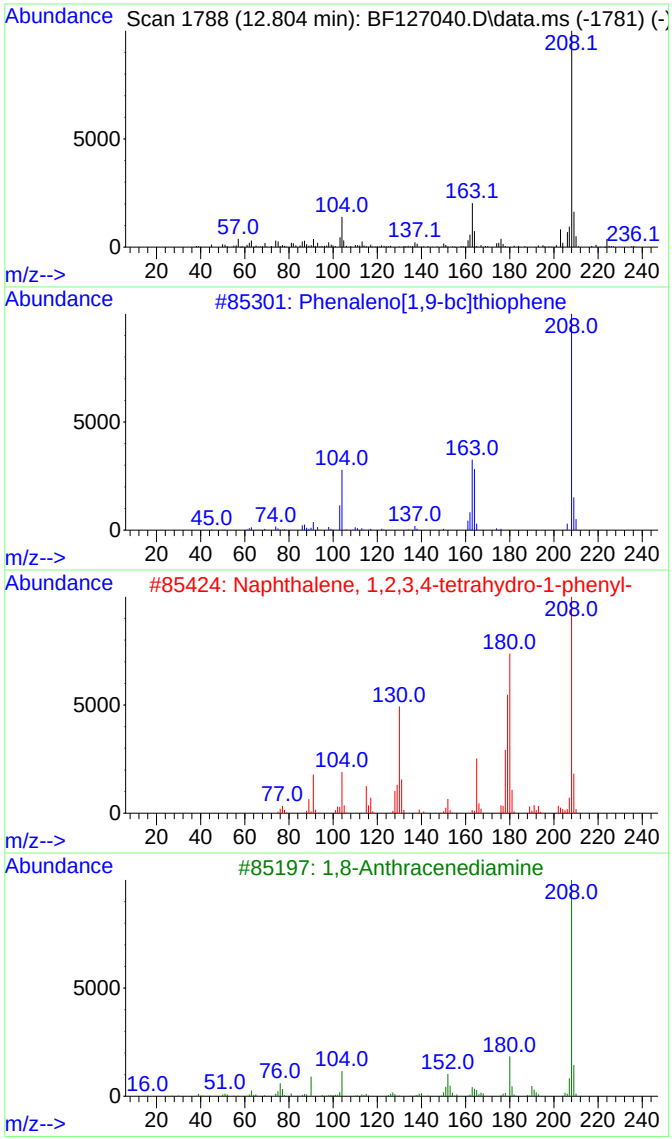
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

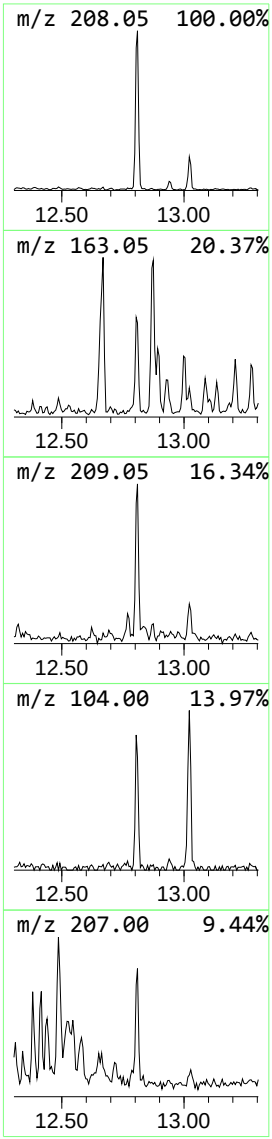
****

Peak Number 11 Phenaleno[1,9-bc]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	3.04 ng	237355	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	72
2	Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	003018-20-0	59
3	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
4	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	53
5	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

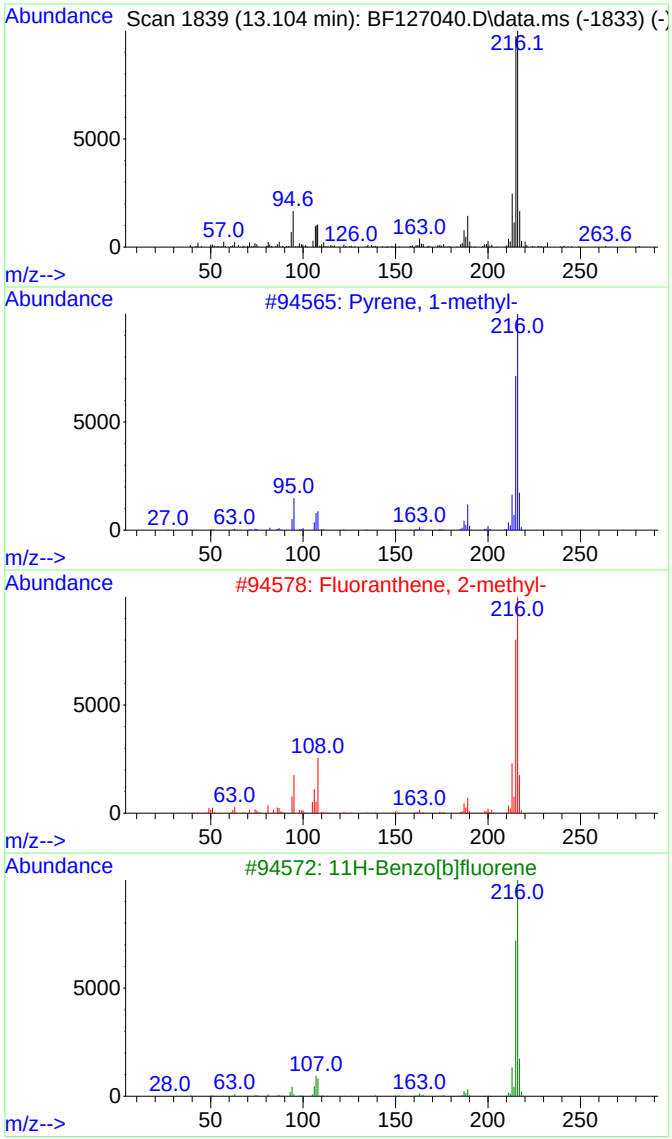
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

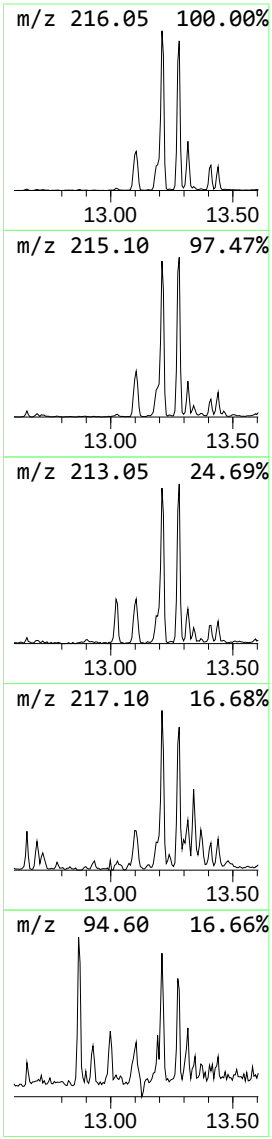
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	4.29 ng	334554	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

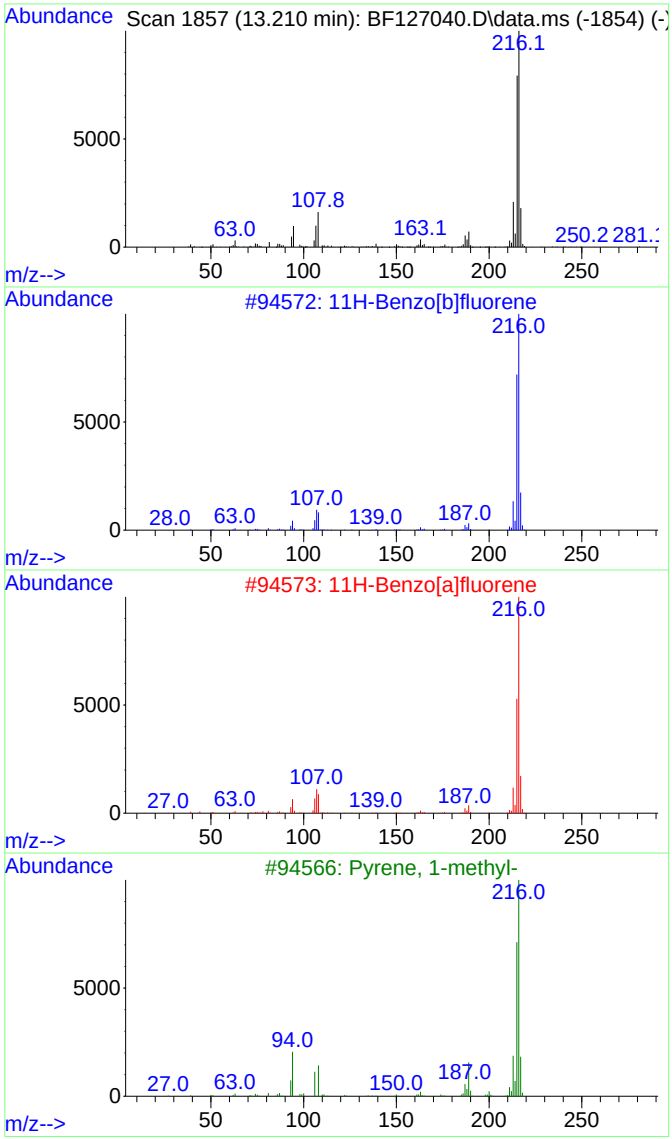
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

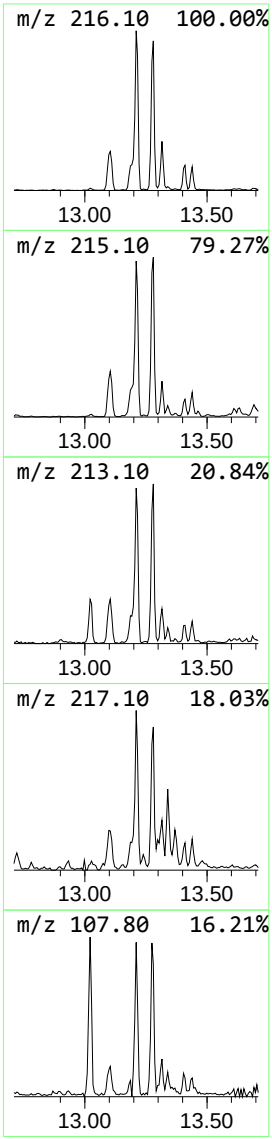
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	7.14 ng	556745	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

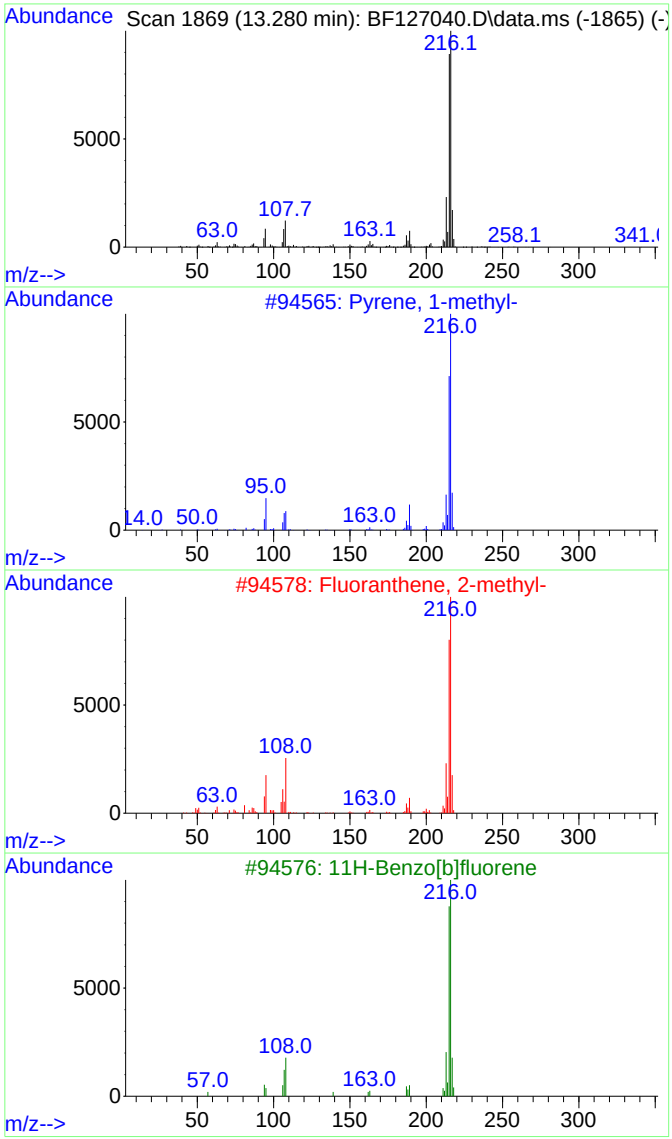
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

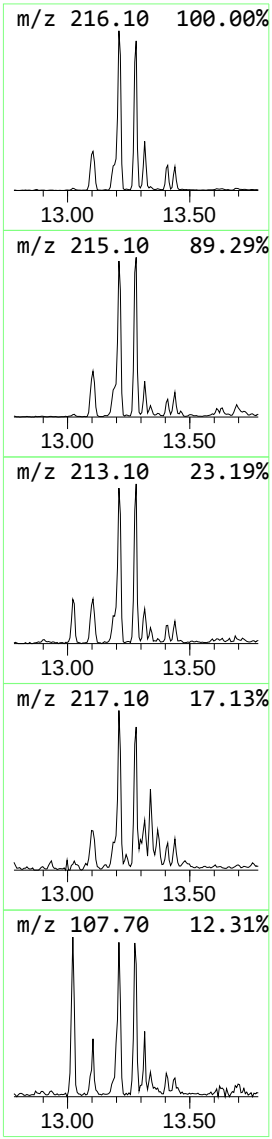
****

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	6.93 ng	540266	Chrysene-d12	14.080

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	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\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

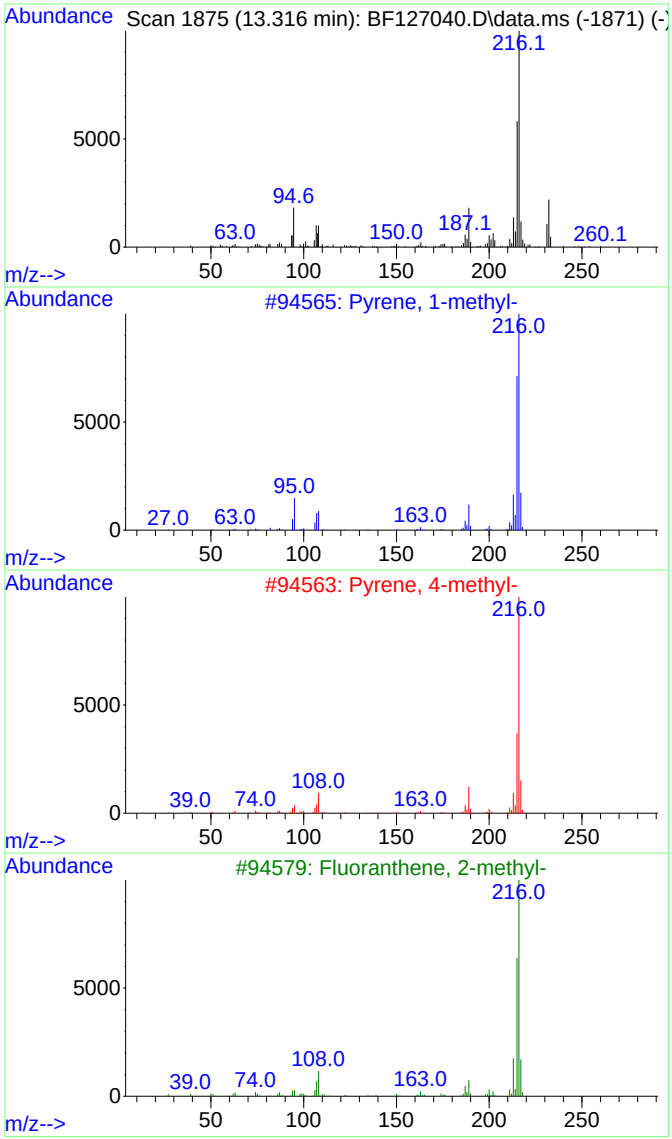
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

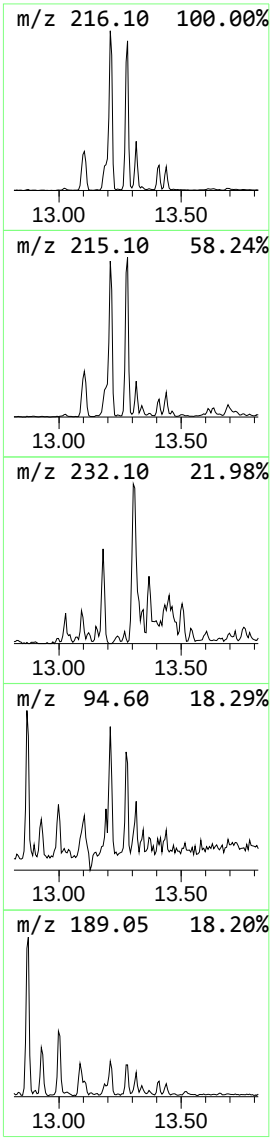
****

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.316	2.99 ng	232867	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

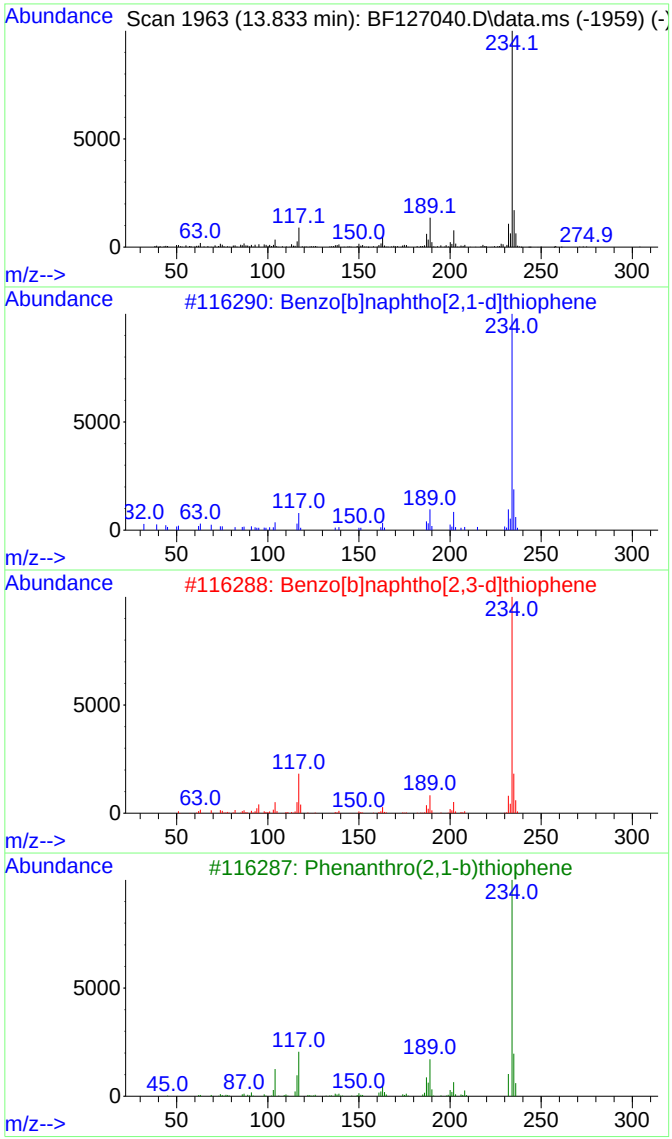
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

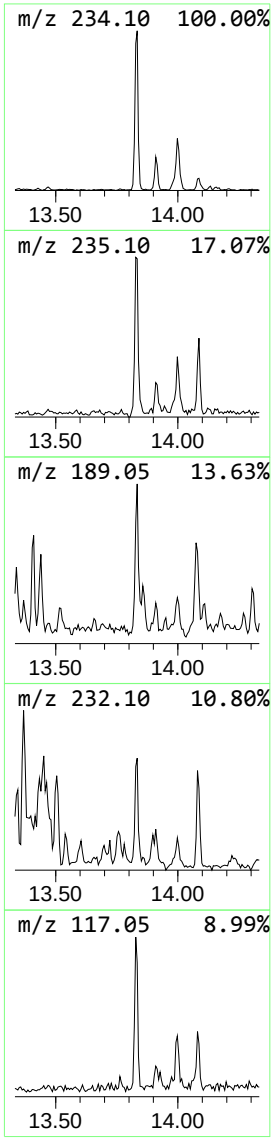
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	2.48 ng	193700	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

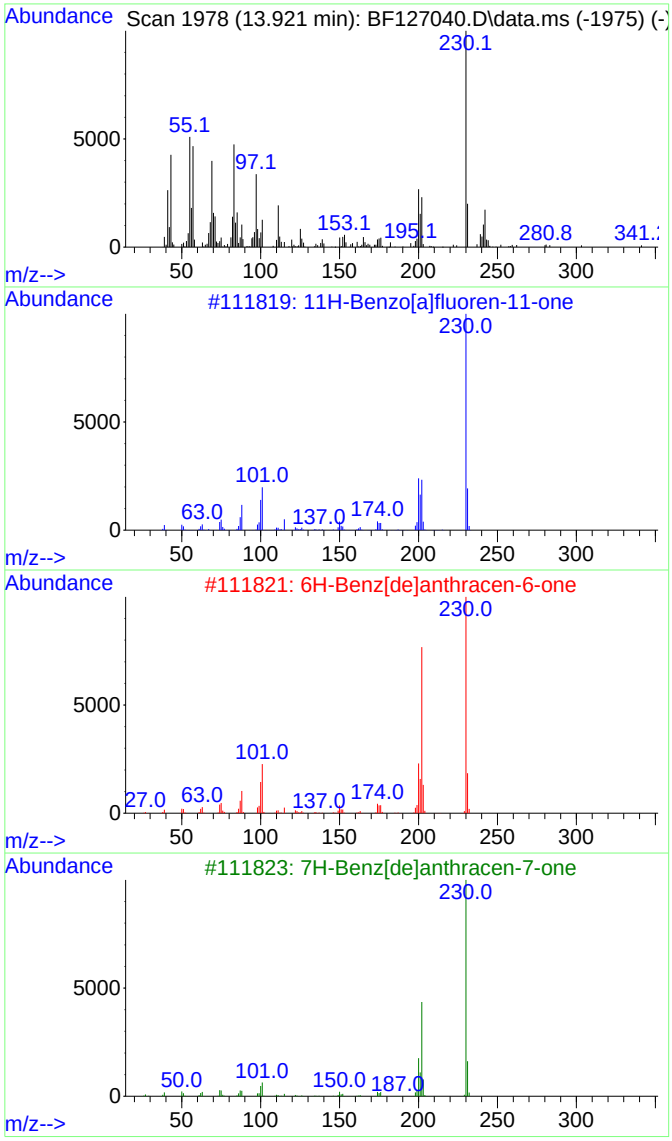
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

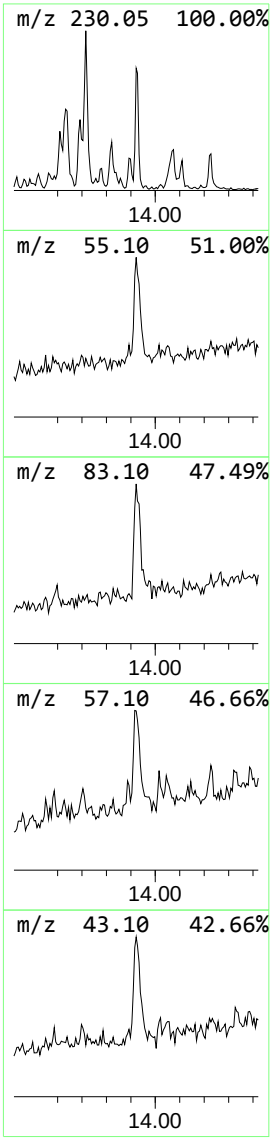
****

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.922	3.10 ng	241818	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	70
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	56
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
4	Benzoic acid, 2-amino-5-chloro-3...	230	C8H7ClN2O4	084228-49-9	35
5	m-Terphenyl	230	C18H14	000092-06-8	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

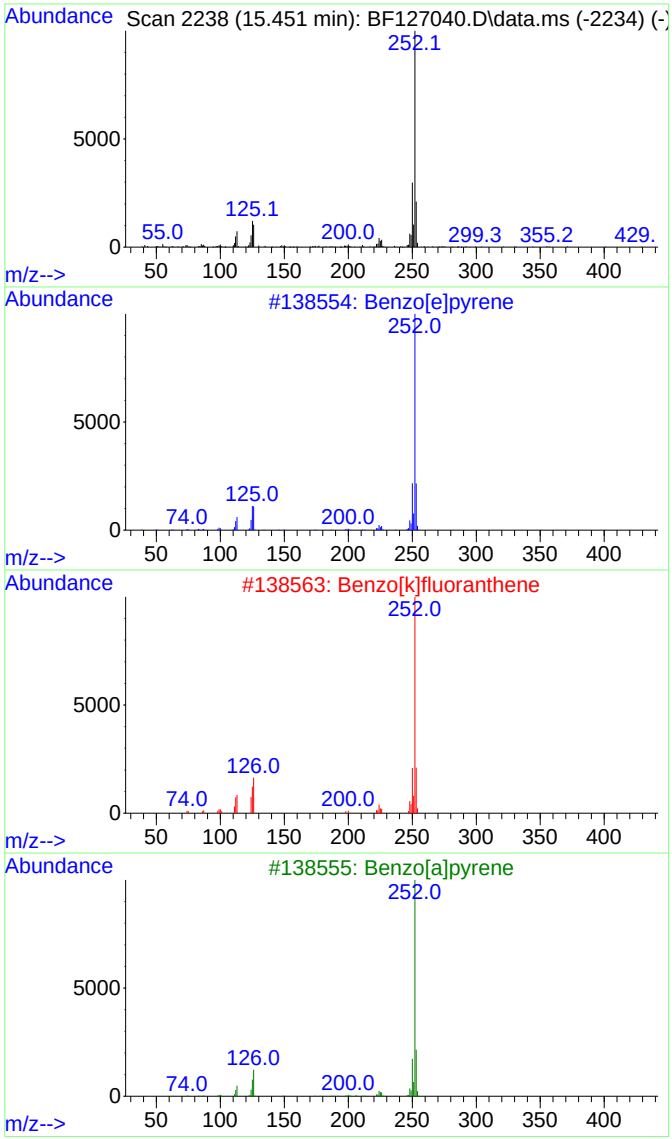
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

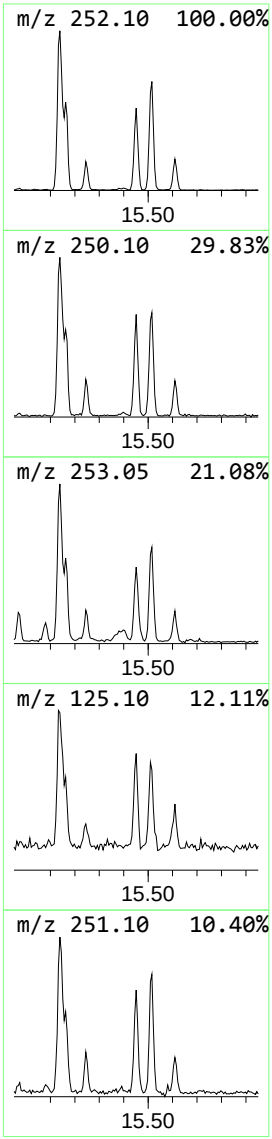
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.451	11.56 ng	249429	Perylene-d12	15.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
Data File : BF127040.D
Acq On : 23 Feb 2022 15:34
Operator : CG\JU
Sample : N1635-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-124042

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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, 1-...	9.457	3.7	ng	158403	3	9.945	850157	20.0
Naphthalene, 1,...	9.528	7.8	ng	331133	3	9.945	850157	20.0
Naphthalene, 1,...	9.598	7.5	ng	320604	3	9.945	850157	20.0
Naphthalene, 2,...	9.628	3.8	ng	160421	3	9.945	850157	20.0
Naphthalene, 1,...	9.716	2.6	ng	110501	3	9.945	850157	20.0
1-Isopropenylna...	10.563	5.6	ng	236620	3	9.945	850157	20.0
1,1'-Biphenyl, ...	10.581	7.0	ng	298788	3	9.945	850157	20.0
Diphenylmethane	10.628	4.1	ng	172958	3	9.945	850157	20.0
[1,1'-Biphenyl]...	10.651	8.4	ng	357519	3	9.945	850157	20.0
4H-Cyclopenta[d...	12.057	3.6	ng	1868510	4	11.439	10244500	20.0
Phenaleno[1,9-b...	12.804	3.0	ng	237355	5	14.080	1559250	20.0
Pyrene, 1-methyl-	13.104	4.3	ng	334554	5	14.080	1559250	20.0
11H-Benzo[b]flu...	13.210	7.1	ng	556745	5	14.080	1559250	20.0
Fluoranthene, 2...	13.280	6.9	ng	540266	5	14.080	1559250	20.0
Pyrene, 4-methyl-	13.316	3.0	ng	232867	5	14.080	1559250	20.0
Benzo[b]naphtho...	13.833	2.5	ng	193700	5	14.080	1559250	20.0
11H-Benzo[a]flu...	13.922	3.1	ng	241818	5	14.080	1559250	20.0
Benzo[e]pyrene	15.451	11.6	ng	249429	6	15.580	431520	20.0