LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142830.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	486	491	499	rBV	10959	15875	1.28%	0.152%
2	5.493	556	561	570	rBV	122502	167854	13.53%	1.608%
3	6.504	729	733	753	rBV	118206	163459	13.18%	1.566%
4	6.881	792	797	802	rBV	262210	318062	25.64%	3.047%
5	7.440	887	892	905	rVB	73123	92119	7.43%	0.882%
6	8.163	1010	1015	1024	rBV2	296232	412184	33.23%	3.948%
7	8.881	1133	1137	1143	rBV	15359	18546	1.50%	0.178%
8	9.240	1193	1198	1206	rVB	152168	186118	15.00%	1.783%
9	9.781	1286	1290	1297	rBV	10999	13599	1.10%	0.130%
10	9.922	1308	1314	1317	rBV	314167	380377	30.66%	3.644%
11	9.951	1317	1319	1323	rVB	49135	57424	4.63%	0.550%
12	10.128	1344	1349	1353	rBV	50368	64364	5.19%	0.617%
13	10.469	1403	1407	1412	rVB	75824	92332	7.44%	0.884%
14	10.557	1412	1422	1425	rBV4	11401	28701	2.31%	0.275%
15	10.628	1430	1434	1440	rVB	31603	42582	3.43%	0.408%
16	10.710	1443	1448	1453	rBV	114411	146288	11.79%	1.401%
17	10.834	1464	1469	1476	rVB5	9089	14613	1.18%	0.140%
18	11.016	1493	1500	1503	rBV4	15345	27076	2.18%	0.259%
19	11.216	1530	1534	1538	rVB	14714	17832	1.44%	0.171%
20	11.269	1538	1543	1546	rBV2	27835	42190	3.40%	0.404%
21	11.304	1546	1549	1556	rVB	43801	64465	5.20%	0.618%
22	11.410	1562	1567	1569	rBV	347230	484940	39.09%	4.645%
23	11.433	1569	1571	1576	rVV	751923	921441	74.28%	8.827%
24	11.486	1576	1580	1584	rVV	237401	303947	24.50%	2.912%
25	11.522	1584	1586	1591	rVB	30045	31768	2.56%	0.304%
26	11.639	1600	1606	1613	rBV2	109630	171106	13.79%	1.639%
27	11.704	1614	1617	1621	rVV3	9808	12592	1.02%	0.121%
28	11.916	1647	1653	1655	rBV	70192	111100	8.96%	1.064%
29	11.939	1655	1657	1661	rVB	106105	121229	9.77%	1.161%
30	11.986	1661	1665	1668	rBV	47780	63072	5.08%	0.604%
31	12.028	1668	1672	1679	rVB2	127946	227615	18.35%	2.180%
32	12.092	1680	1683	1685	rBV3	11481	14431	1.16%	0.138%
33	12.210	1699	1703	1706	rBV	49000	63570	5.12%	0.609%
34	12.463	1742	1746	1749	rBV	42585	62314	5.02%	0.597%
35	12.551	1758	1761	1769	rVB2	27106	40842	3.29%	0.391%
36	12.628	1769	1774	1779	rBV	909879	1171468	94.44%	11.222%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.857	1806	1813	1819	rBV	780985	1240436	100.00%	11.882%
38	12.910	1819	1822	1826	rVB2	44375	61476	4.96%	0.589%
39	12.992	1832	1836	1844	rVB3	197593	344940	27.81%	3.304%
40	13.075	1846	1850	1854	rBV2	43799	76504	6.17%	0.733%
41	13.186	1866	1869	1872	rVB	100945	121717	9.81%	1.166%
42	13.251	1877	1880	1883	rBV	88184	105590	8.51%	1.011%
43	13.286	1883	1886	1889	rVV2	62796	78305	6.31%	0.750%
44	14.051	2011	2016	2020	rBV2	543548	956876	77.14%	9.166%
45	15.116	2192	2197	2212	rVB	261978	780437	62.92%	7.476%
46	15.486	2256	2260	2266	rVB	228056	363466	29.30%	3.482%
47	15.551	2268	2271	2275	rVB	112995	142019	11.45%	1.360%

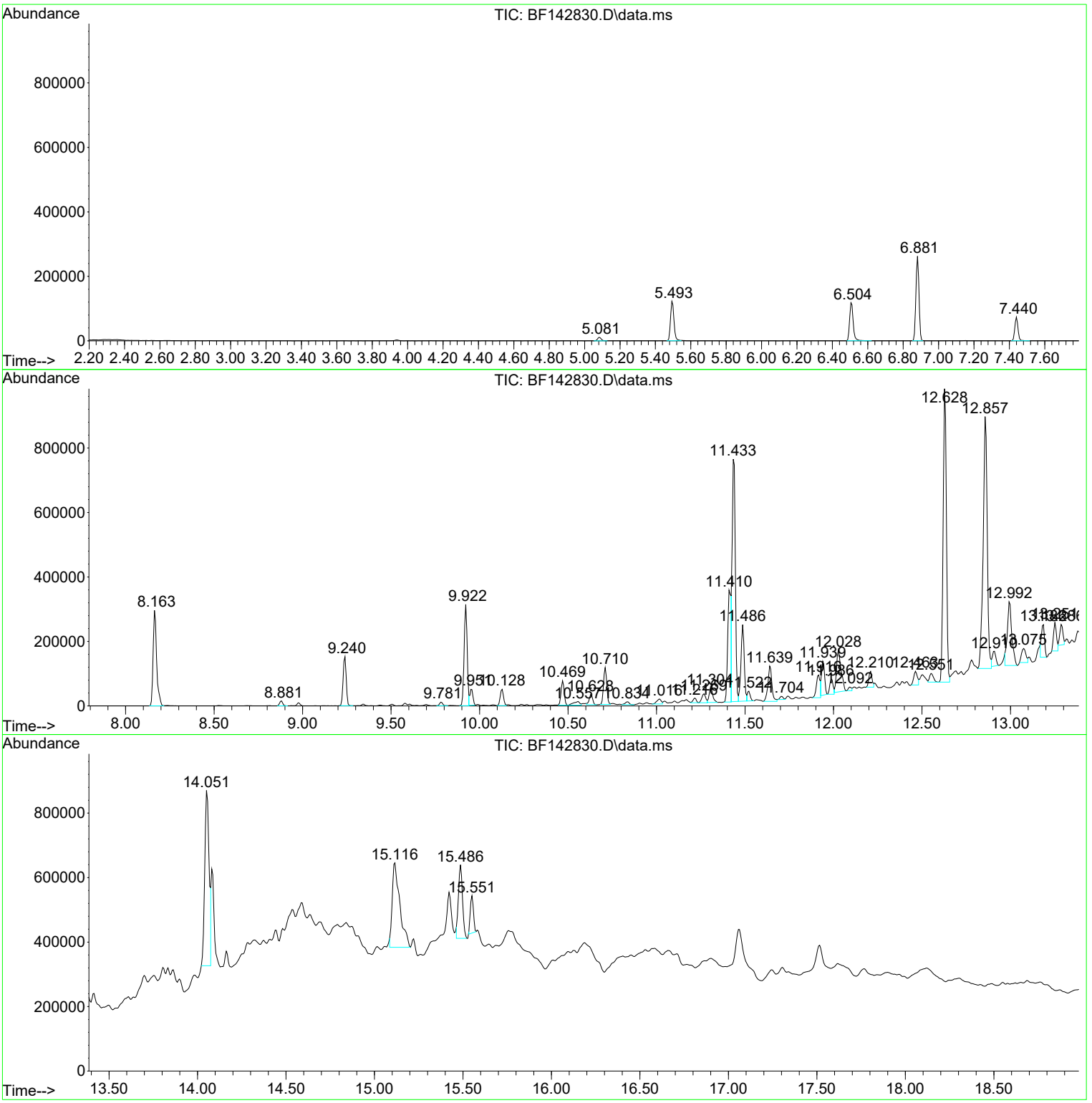
Sum of corrected areas: 10439261

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

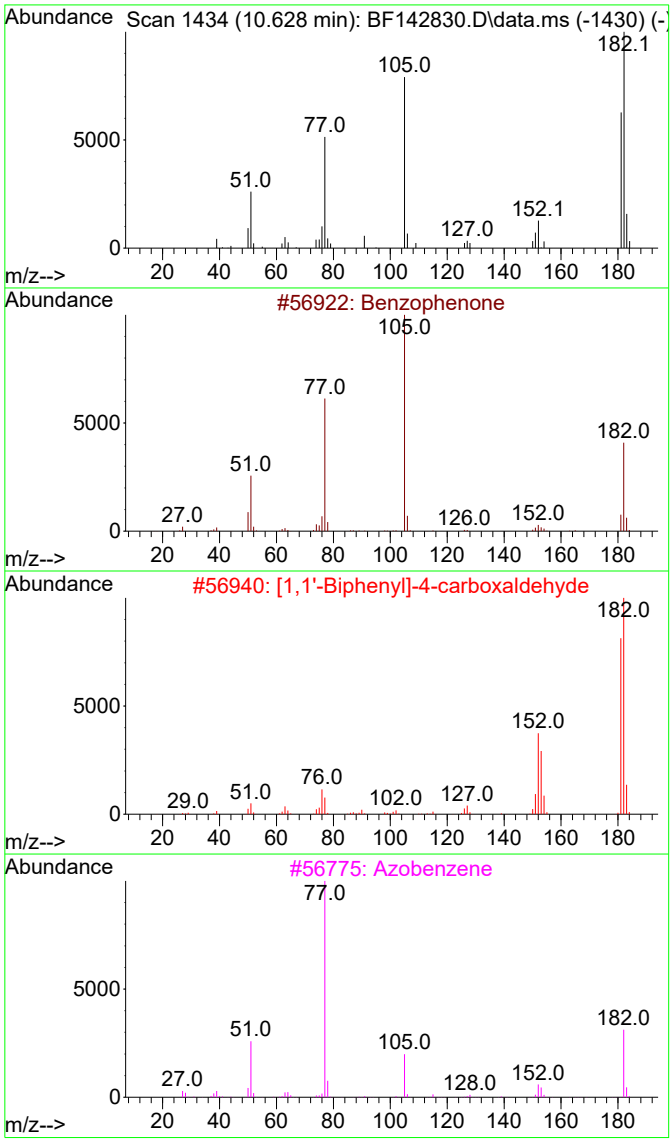
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

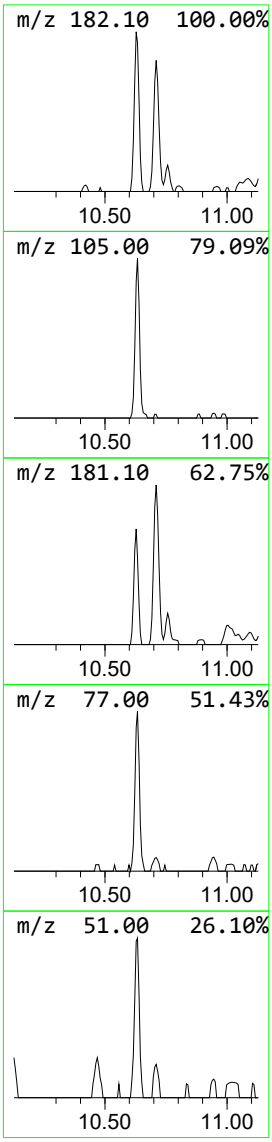
****

Peak Number 1 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	2.24 ng	42582	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53
3	Azobenzene	182	C12H10N2	000103-33-3	53
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	50
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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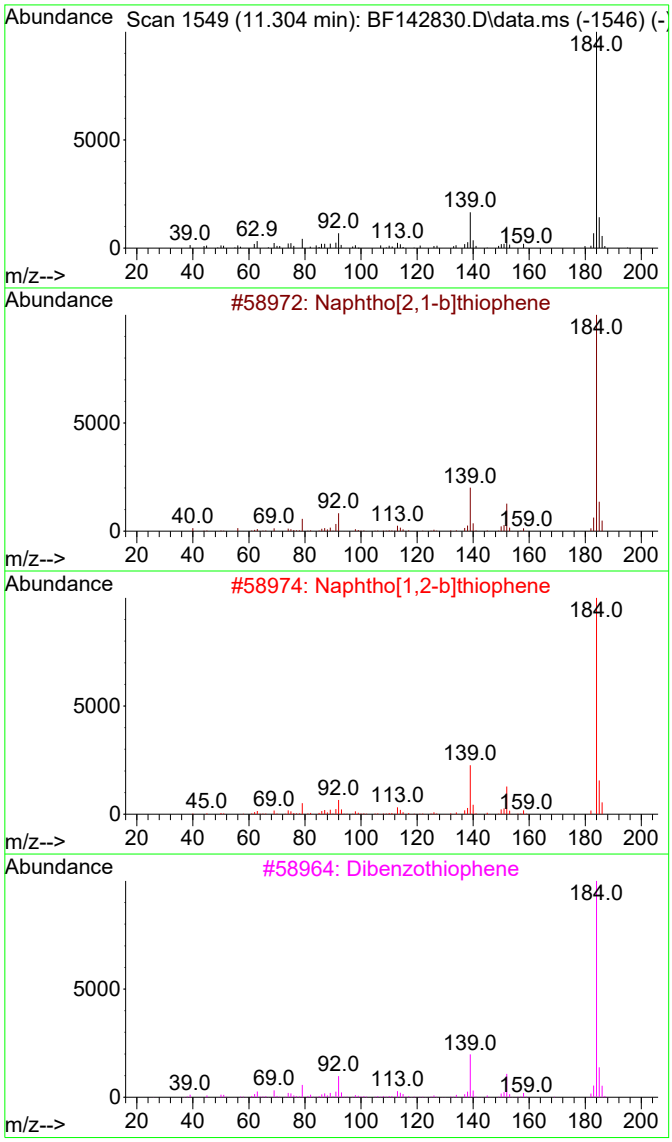
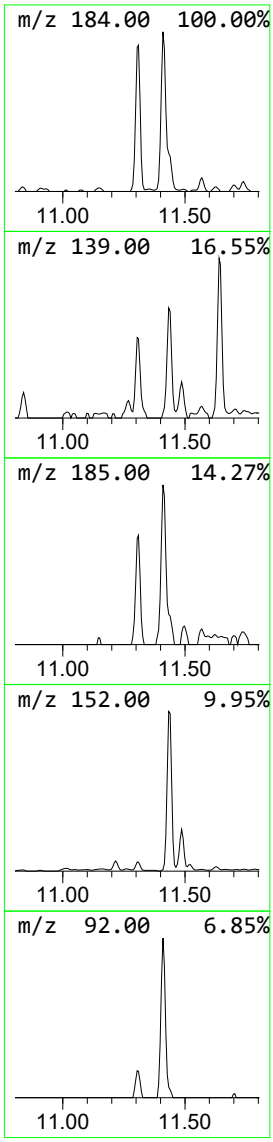
Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	2.66 ng	64465	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

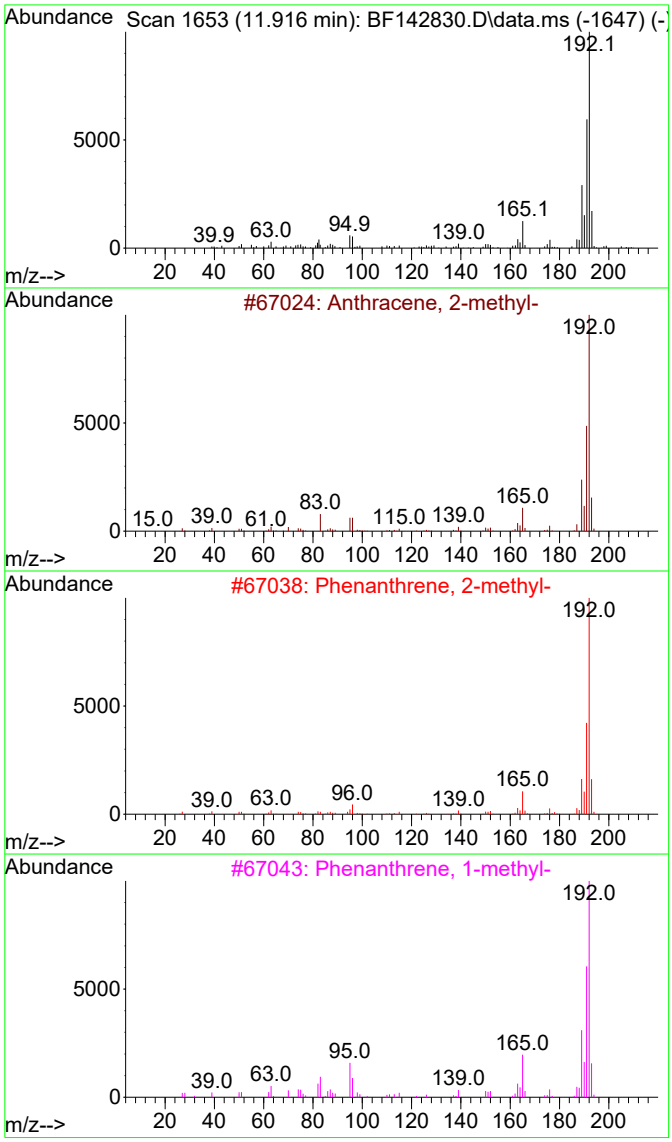
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

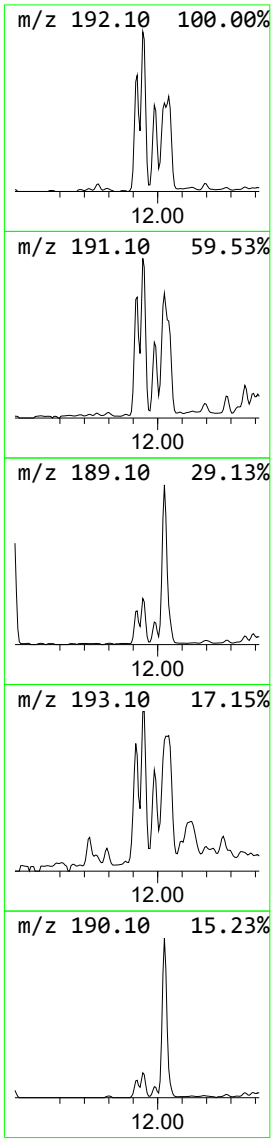
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	4.58 ng	111100	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

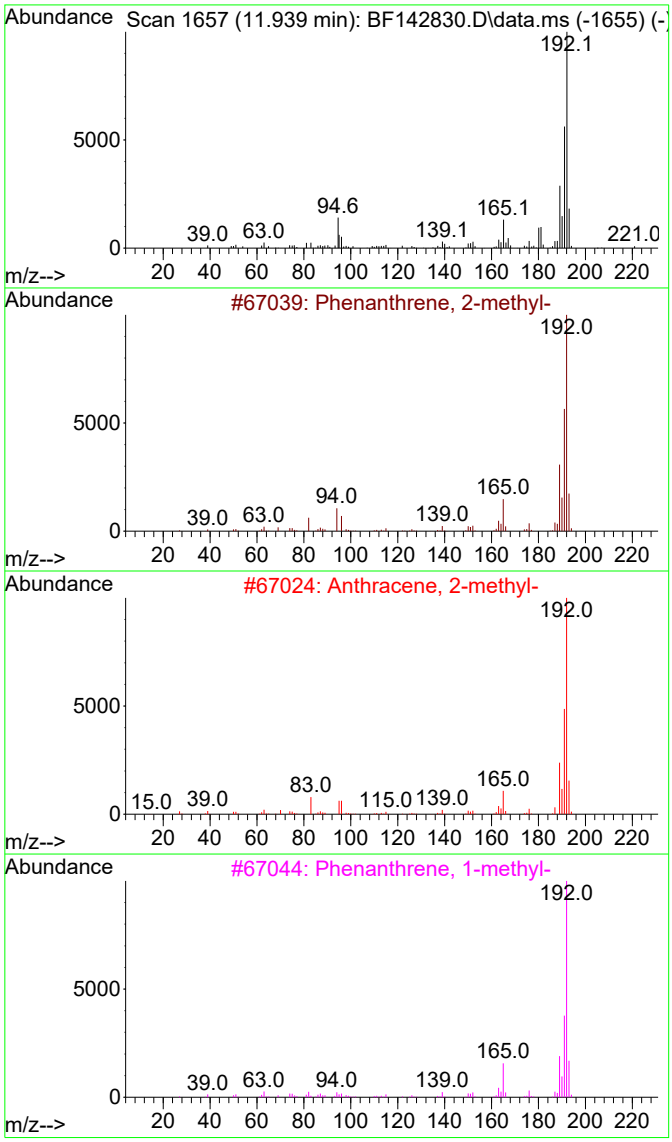
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

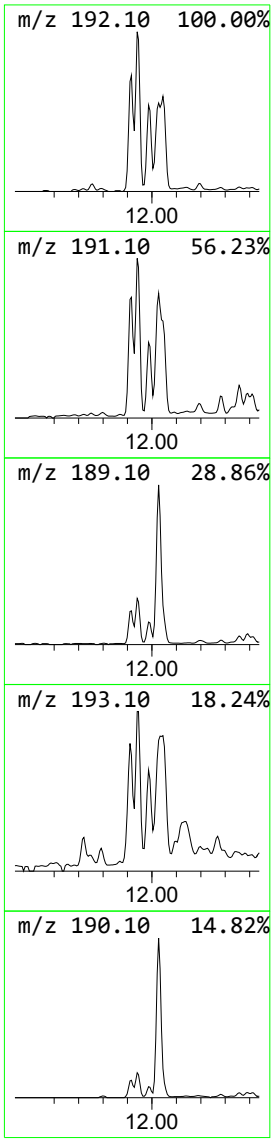
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	5.00 ng	121229	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

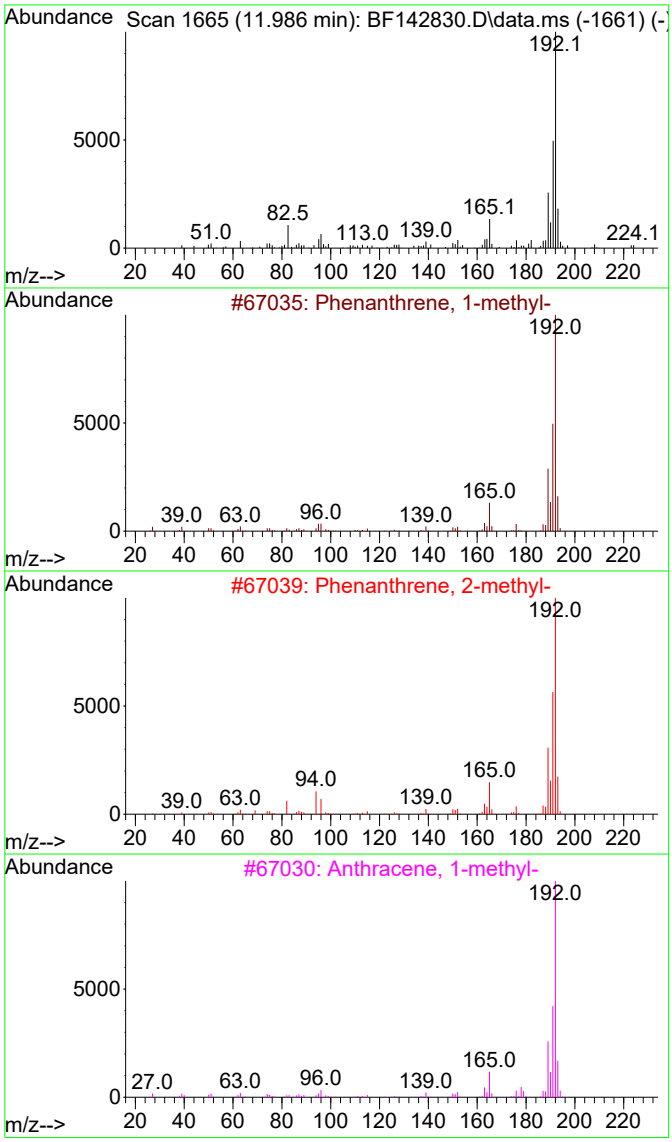
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

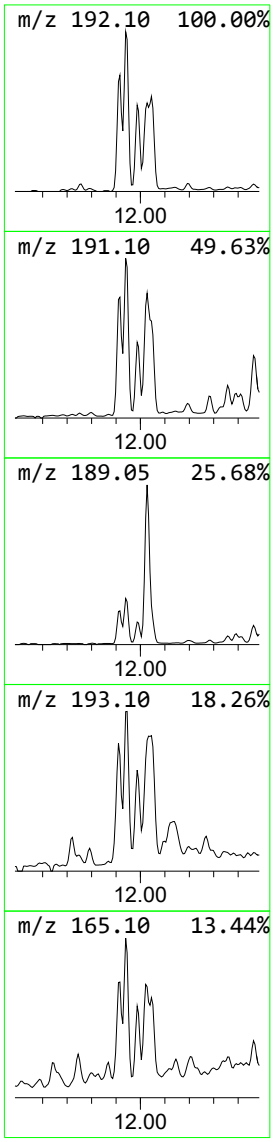
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	2.60 ng	63072	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

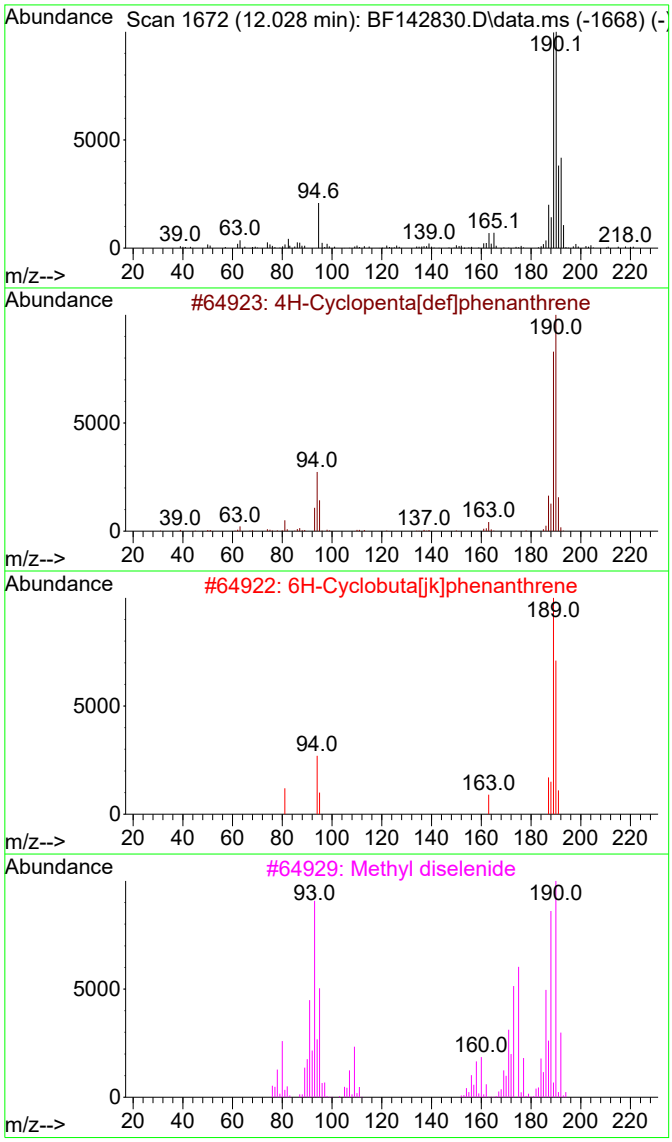
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

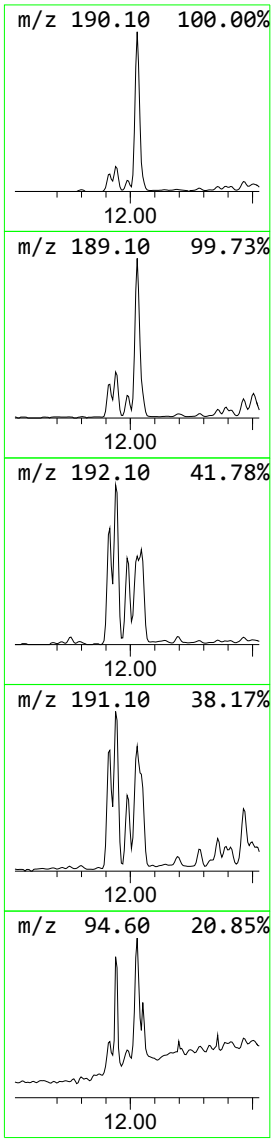
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	9.39 ng	227615	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

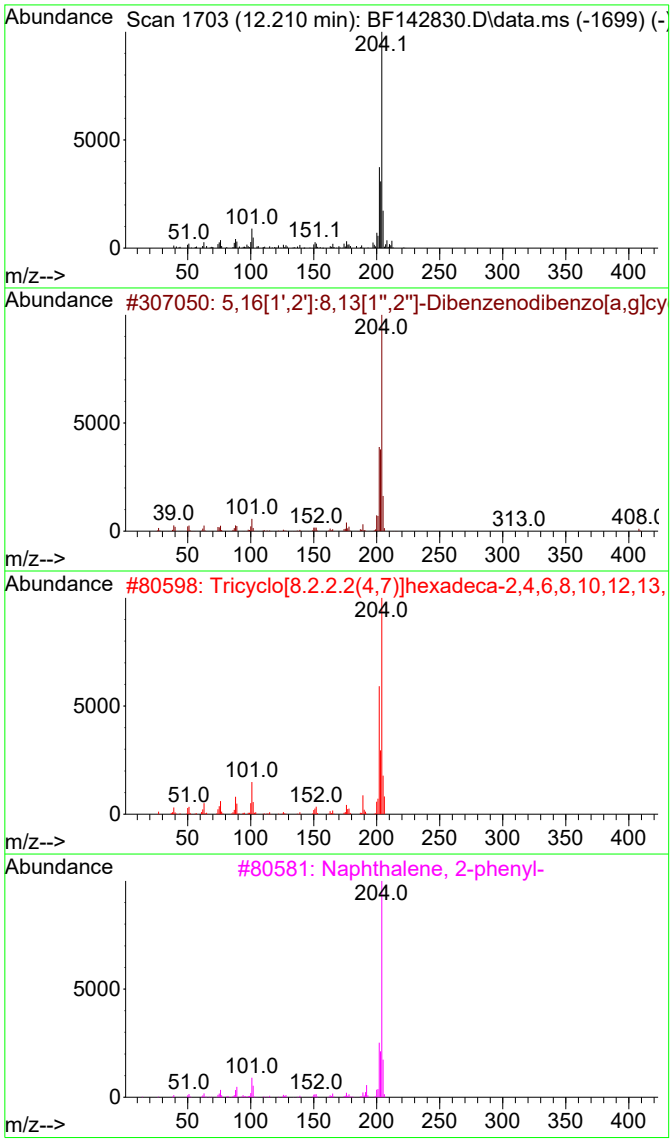
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

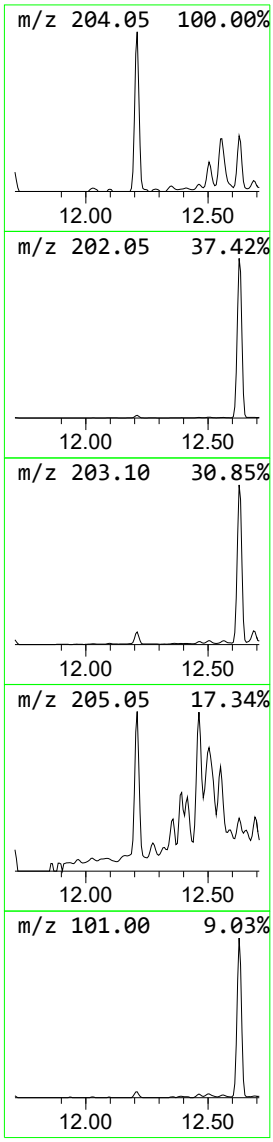
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	2.62 ng	63570	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

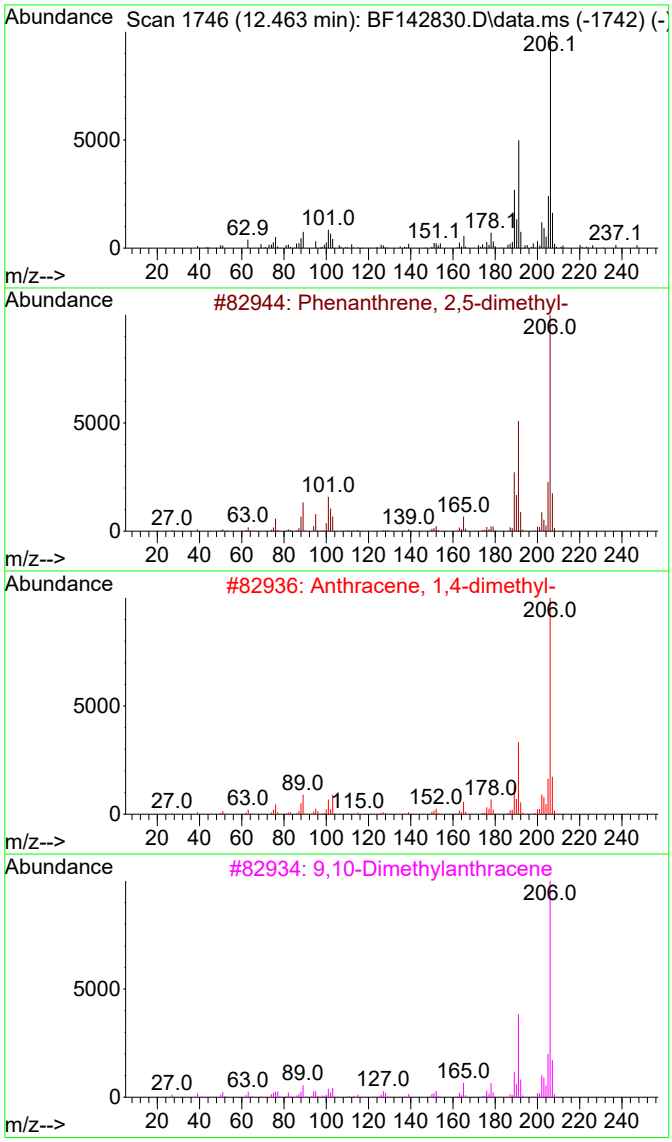
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

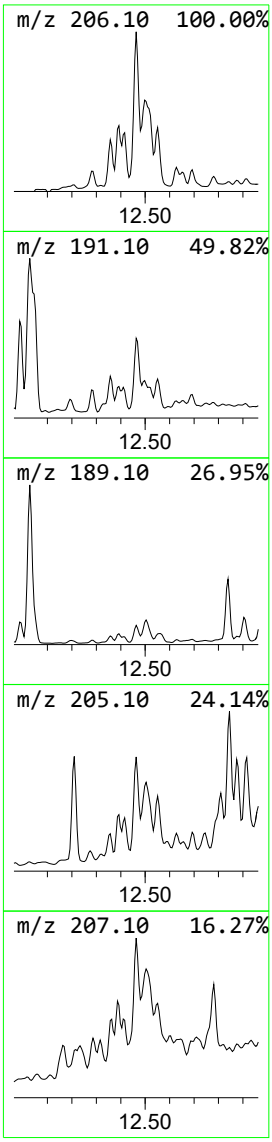
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.57 ng	62314	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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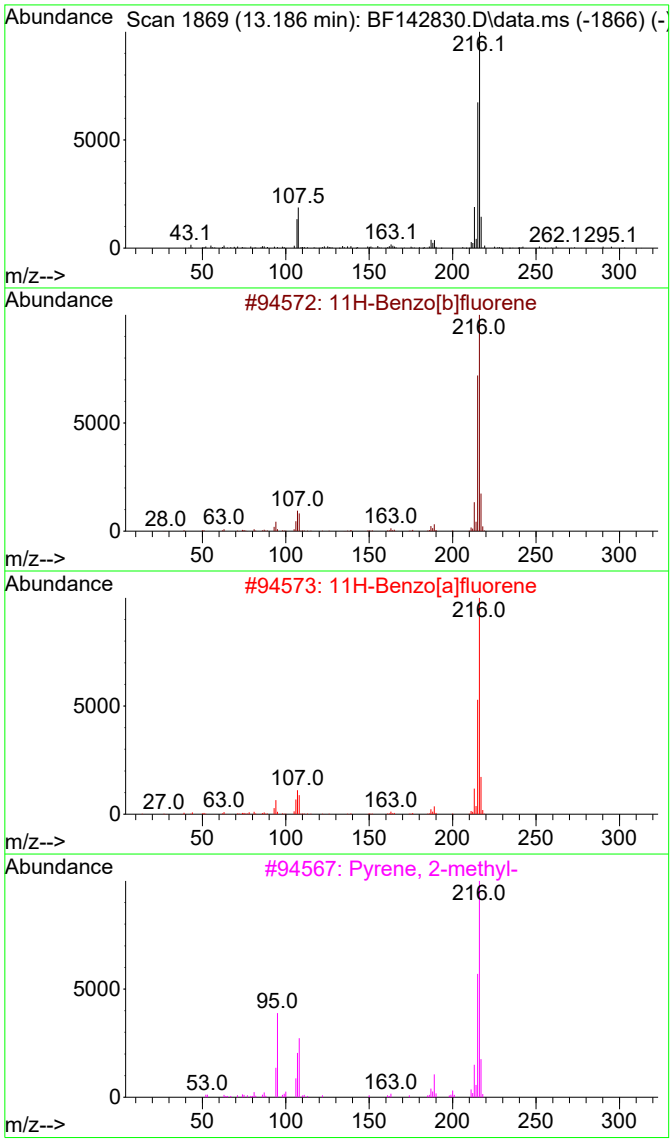
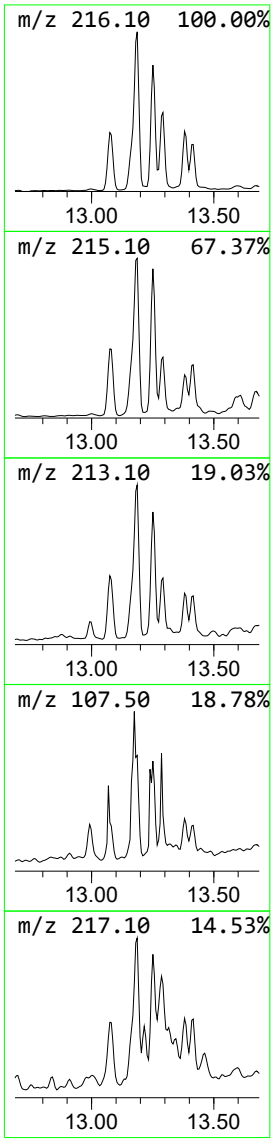
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	2.54 ng	121717	Chrysene-d12	14.057

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, 2-methyl-	216	C17H12	003442-78-2	80
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	68
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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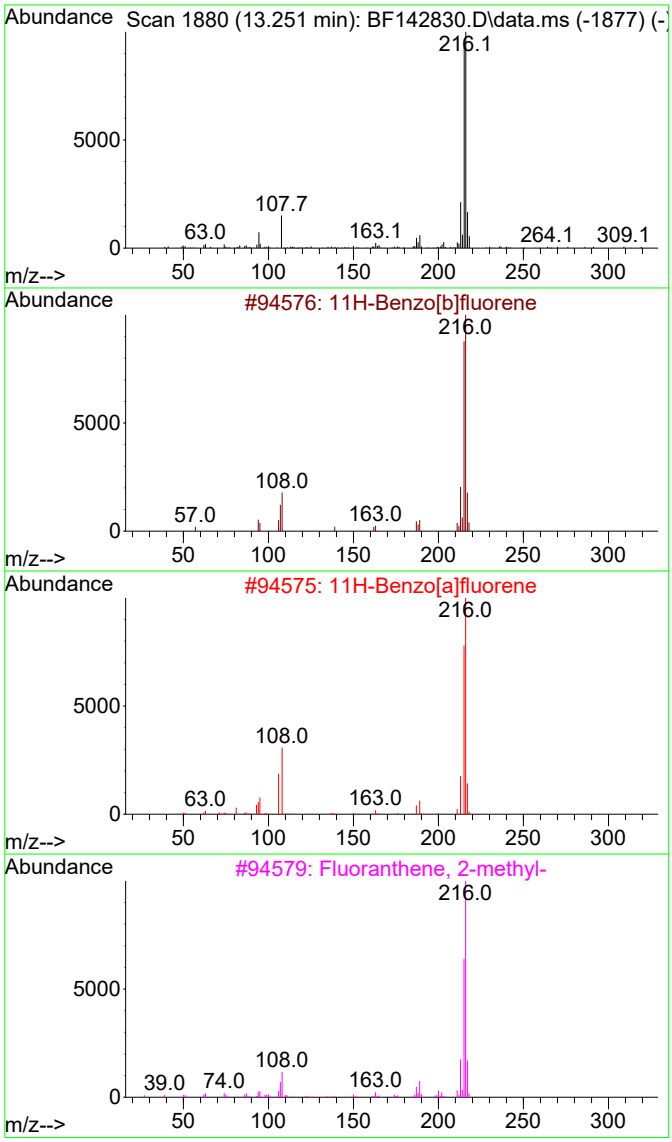
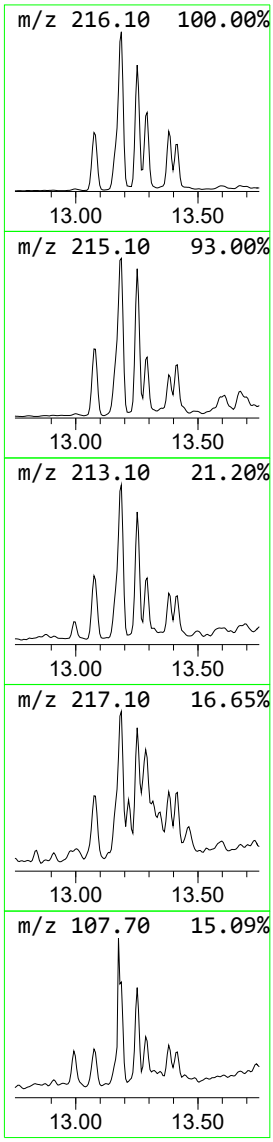
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	2.21 ng	105590	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142830.D
Acq On : 24 Jun 2025 20:38
Operator : RC/JU
Sample : Q2380-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200059

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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
Benzophenone	10.628	2.2	ng	42582	3	9.922	380377	20.0
Naphtho[2,1-b]t...	11.304	2.7	ng	64465	4	11.410	484940	20.0
Anthracene, 2-m...	11.916	4.6	ng	111100	4	11.410	484940	20.0
Phenanthrene, 2...	11.939	5.0	ng	121229	4	11.410	484940	20.0
Phenanthrene, 1...	11.986	2.6	ng	63072	4	11.410	484940	20.0
4H-Cyclopenta[d...	12.028	9.4	ng	227615	4	11.410	484940	20.0
5,16[1',2']:8,1...	12.210	2.6	ng	63570	4	11.410	484940	20.0
Phenanthrene, 2...	12.463	2.6	ng	62314	4	11.410	484940	20.0
11H-Benzo[b]flu...	13.186	2.5	ng	121717	5	14.057	956876	20.0
11H-Benzo[a]flu...	13.251	2.2	ng	105590	5	14.057	956876	20.0