LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143927.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.098	490	494	501	rVB	25840	42796	1.94%	0.162%
2	5.498	556	562	574	rBV	1600777	2129078	96.68%	8.048%
3	6.504	723	733	751	rBV	1598965	2202088	100.00%	8.324%
4	6.881	792	797	803	rBV	582794	721438	32.76%	2.727%
5	7.439	886	892	897	rBV	978508	1268552	57.61%	4.795%
6	7.692	931	935	941	rVB	23970	33414	1.52%	0.126%
7	8.163	1008	1015	1025	rBV2	712837	1056769	47.99%	3.995%
8	8.381	1047	1052	1061	rBV	19733	29960	1.36%	0.113%
9	8.875	1132	1136	1141	rVB	37762	46180	2.10%	0.175%
10	8.975	1149	1153	1159	rVB	29914	37749	1.71%	0.143%
11	9.239	1192	1198	1208	rBV	1435139	1815890	82.46%	6.864%
12	9.504	1239	1243	1248	rBV	15312	25060	1.14%	0.095%
13	9.575	1251	1255	1258	rBV	22402	32422	1.47%	0.123%
14	9.781	1287	1290	1294	rBV	19601	29194	1.33%	0.110%
15	9.922	1306	1314	1317	rBV	730288	935055	42.46%	3.534%
16	9.951	1317	1319	1324	rVB	153445	182261	8.28%	0.689%
17	10.128	1344	1349	1353	rBV	88507	125074	5.68%	0.473%
18	10.328	1380	1383	1390	rBV5	16890	34777	1.58%	0.131%
19	10.469	1403	1407	1412	rBV	101469	129829	5.90%	0.491%
20	10.633	1431	1435	1440	rVB	254415	317398	14.41%	1.200%
21	10.710	1443	1448	1454	rBV	849223	1111678	50.48%	4.202%
22	11.216	1530	1534	1538	rVB	85145	104779	4.76%	0.396%
23	11.310	1547	1550	1555	rVB	65721	84589	3.84%	0.320%
24	11.416	1563	1568	1569	rBV	592601	792757	36.00%	2.997%
25	11.439	1569	1572	1576	rVV	979965	1239038	56.27%	4.684%
26	11.486	1576	1580	1584	rVB	238534	292555	13.29%	1.106%
27	11.639	1601	1606	1613	rBV	142948	224848	10.21%	0.850%
28	11.939	1650	1657	1663	rBV2	494256	759566	34.49%	2.871%
29	12.027	1668	1672	1680	rVB3	133273	228433	10.37%	0.863%
30	12.210	1700	1703	1705	rBV	58121	72569	3.30%	0.274%
31	12.551	1758	1761	1766	rVB	54847	72004	3.27%	0.272%
32	12.627	1769	1774	1780	rBV	1122153	1547253	70.26%	5.849%
33	12.722	1787	1790	1797	rBV	102989	156320	7.10%	0.591%
34	12.857	1807	1813	1819	rBV	906974	1407947	63.94%	5.322%
35	12.998	1831	1837	1844	rVB	1070043	1495167	67.90%	5.652%
36	13.074	1846	1850	1854	rBV2	56709	98427	4.47%	0.372%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.292	1884	1887	1890	rBV2	50879	61787	2.81%	0.234%
38	13.692	1952	1955	1960	rBV	110995	142988	6.49%	0.540%
39	13.804	1971	1974	1977	rBV2	80241	112716	5.12%	0.426%
40	13.904	1988	1991	1999	rVB2	200420	306268	13.91%	1.158%
41	14.057	2011	2017	2020	rBV2	966874	1622748	73.69%	6.134%
42	15.110	2191	2196	2205	rBV	489507	1157762	52.58%	4.376%
43	15.415	2244	2248	2254	rVB	223798	358793	16.29%	1.356%
44	15.480	2254	2259	2264	rVV	308316	478232	21.72%	1.808%
45	15.545	2265	2270	2283	rVB2	403747	834288	37.89%	3.154%
46	17.033	2519	2523	2532	rVB2	121569	262949	11.94%	0.994%
47	17.486	2596	2600	2612	rVB	100868	233911	10.62%	0.884%

Sum of corrected areas: 26455356

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
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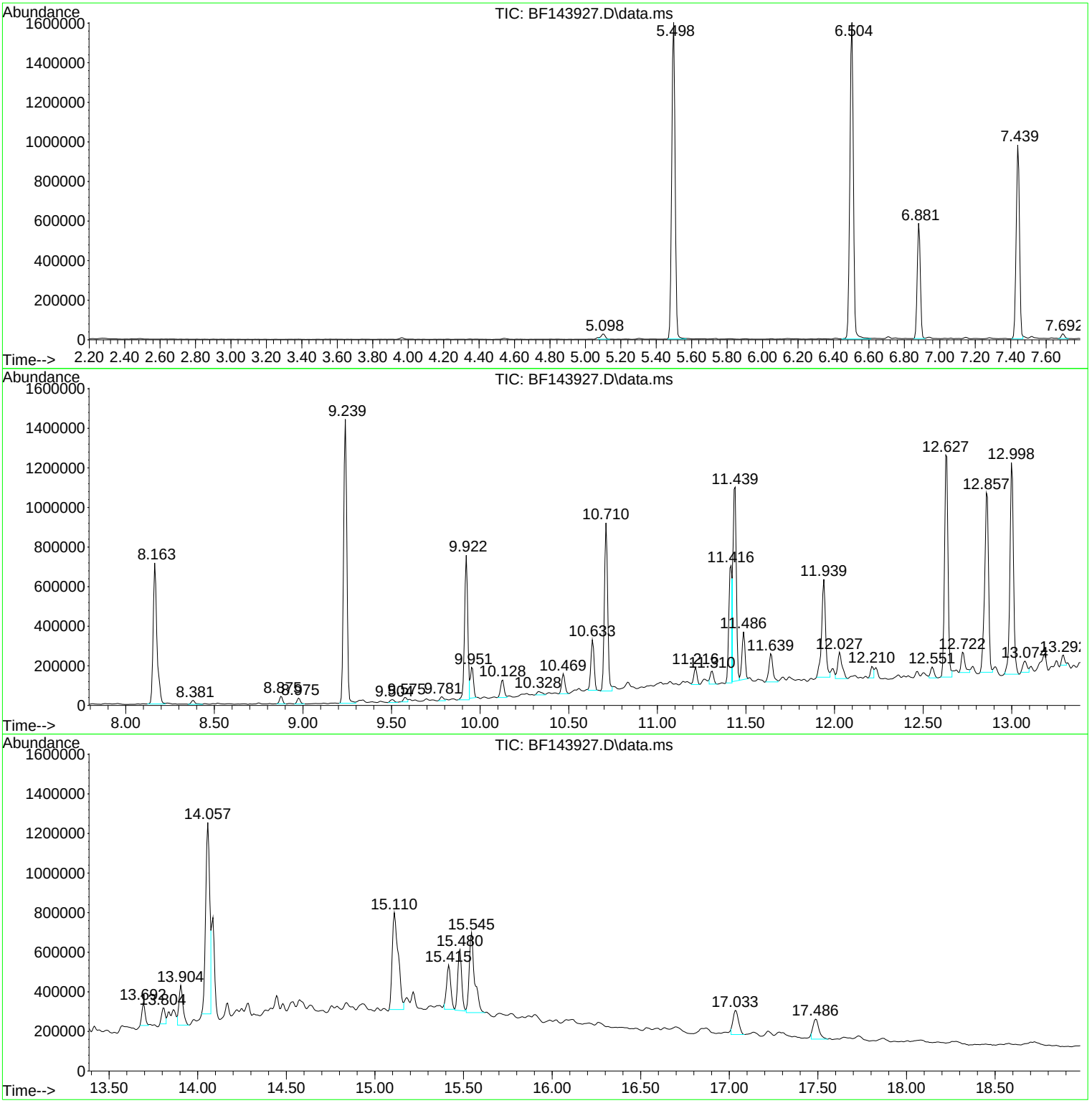
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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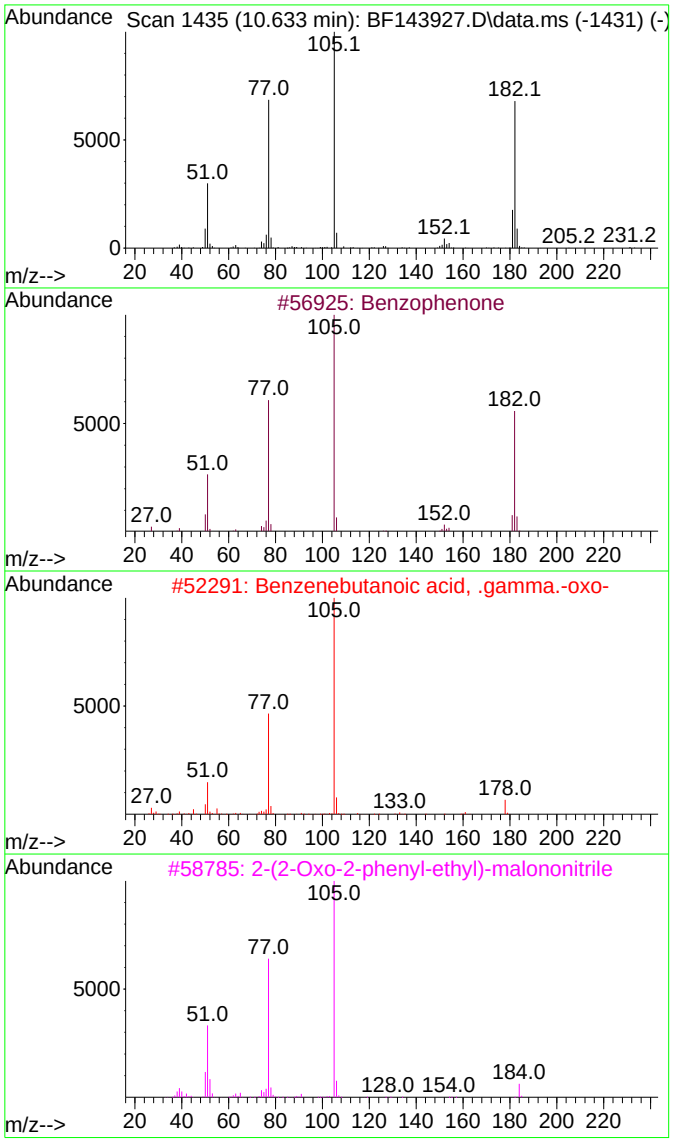
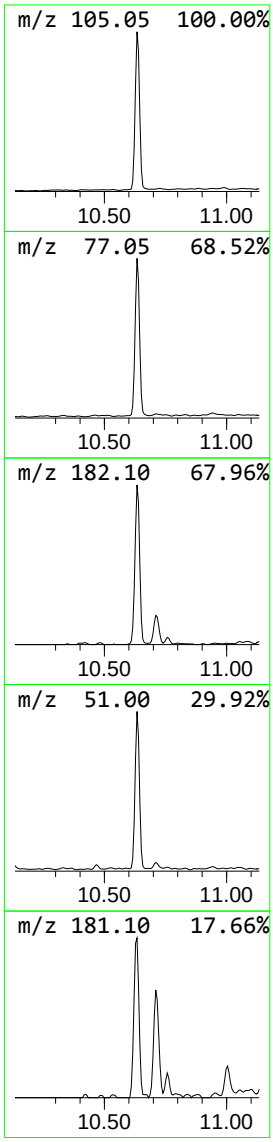
Peak Number 1 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.79 ng	317398	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
4	Benzene, (trimethoxymethyl)-	182	C10H14O3	000707-07-3	47
5	Ethanone, 2-bromo-1-phenyl-	198	C8H7BrO	000070-11-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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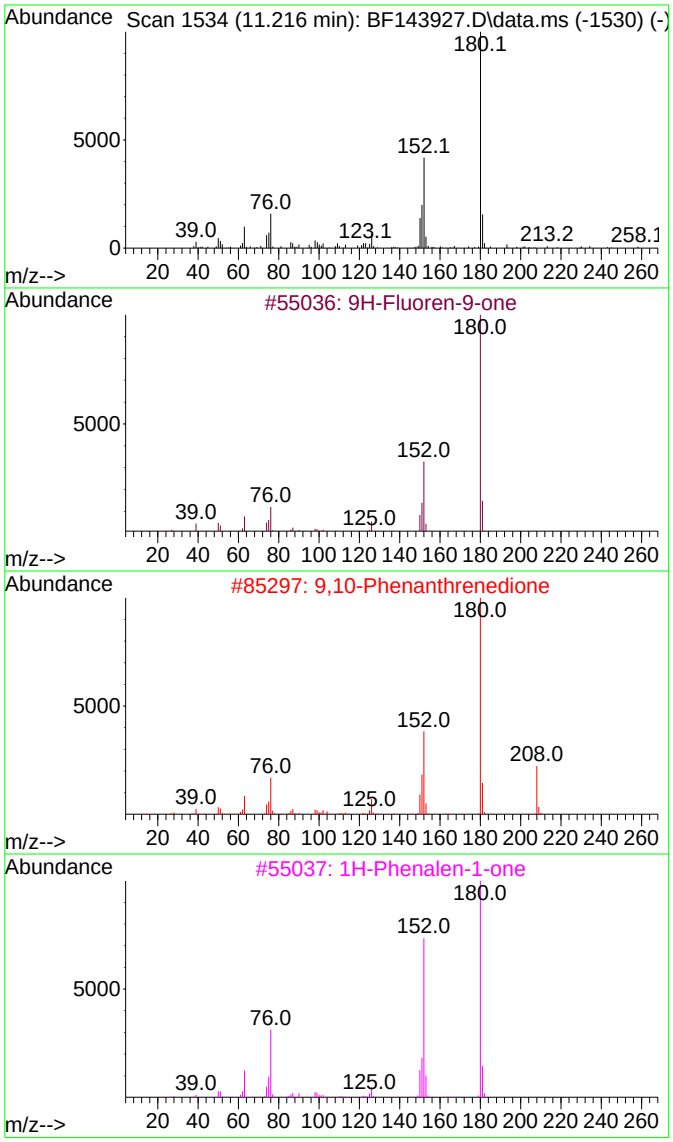
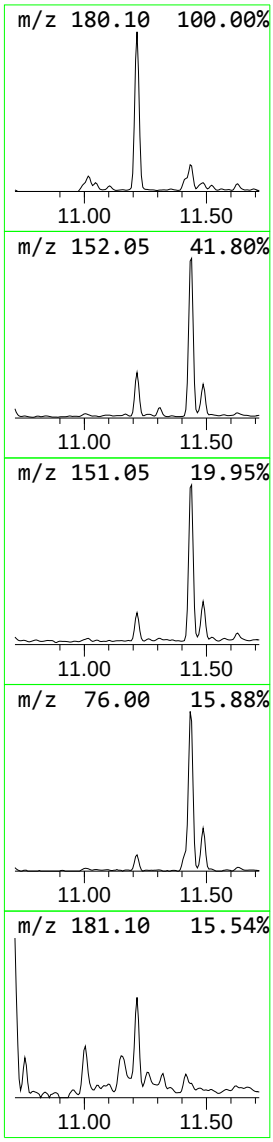
Peak Number 2 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	2.64 ng	104779	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Diphenic anhydride	224	C14H8O3	006050-13-1	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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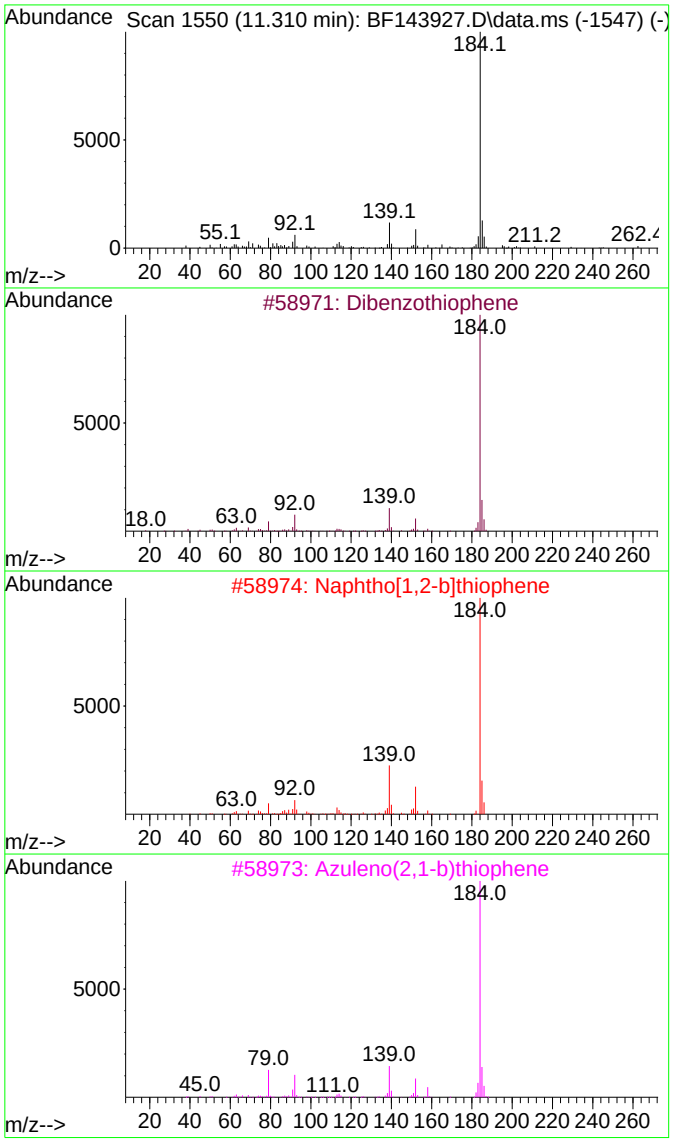
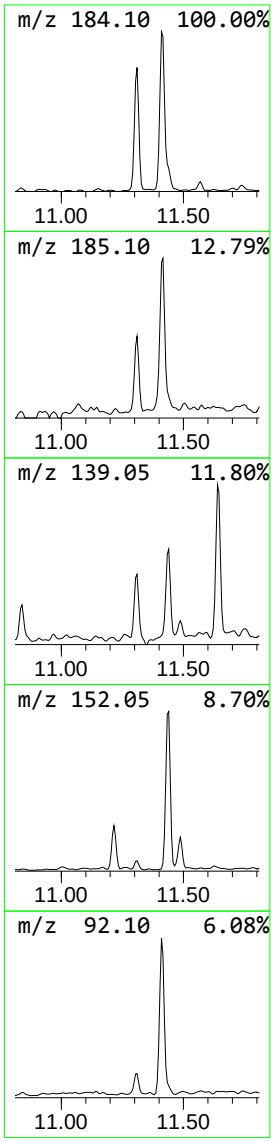
Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	2.13 ng	84589	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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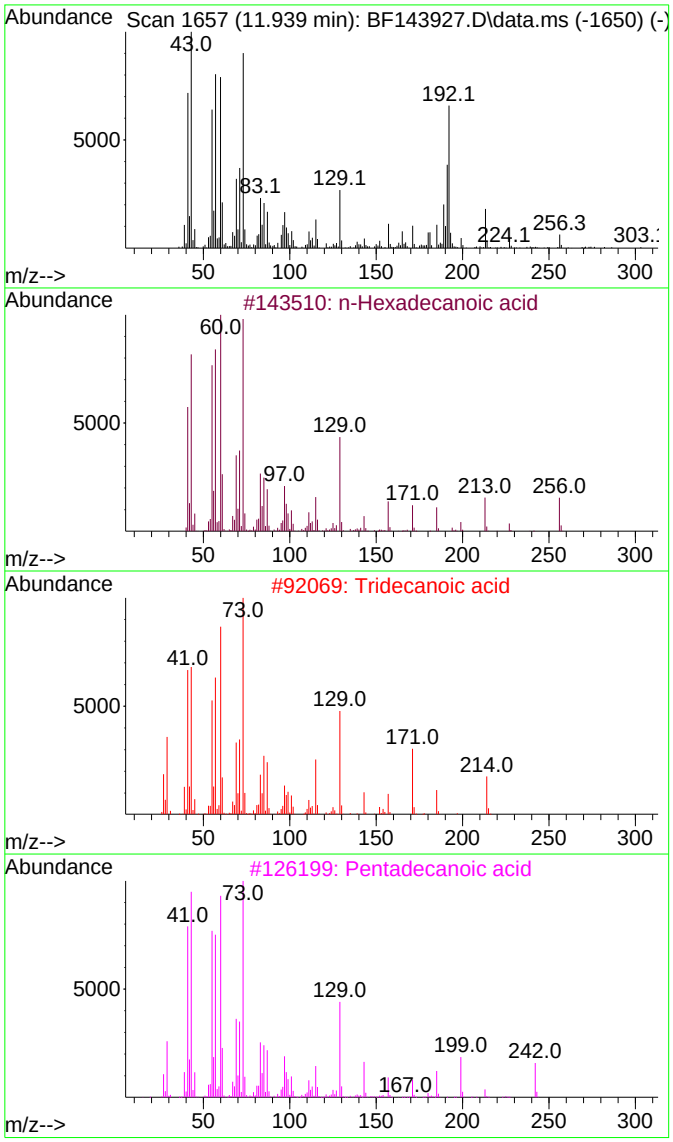
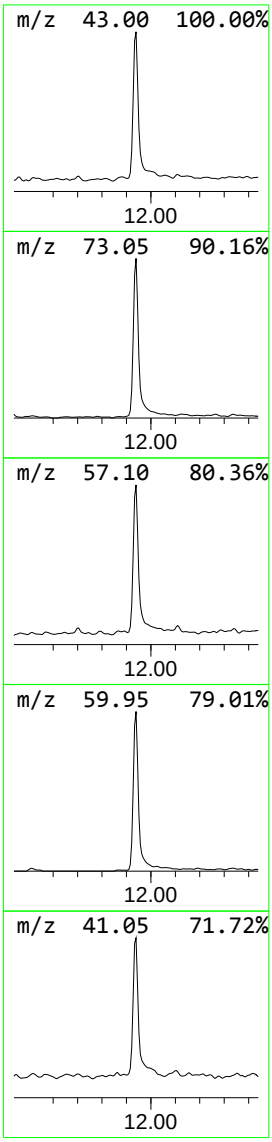
Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	19.16 ng	759566	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	Octadecanoic acid	284	C18H36O2	000057-11-4	49
5	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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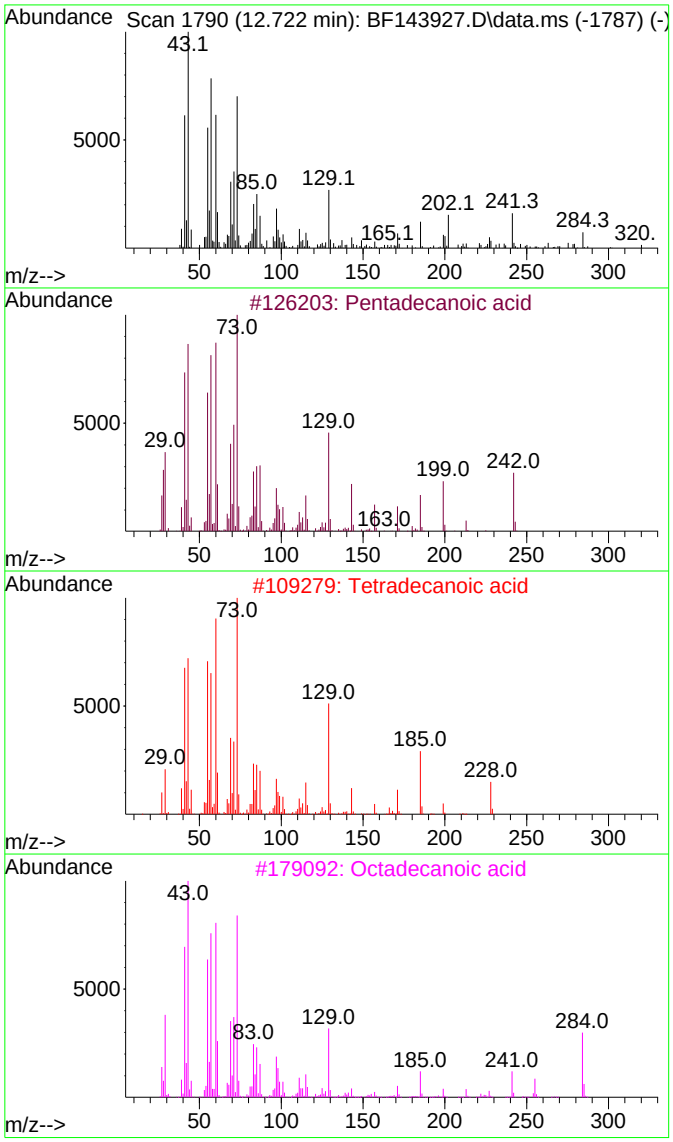
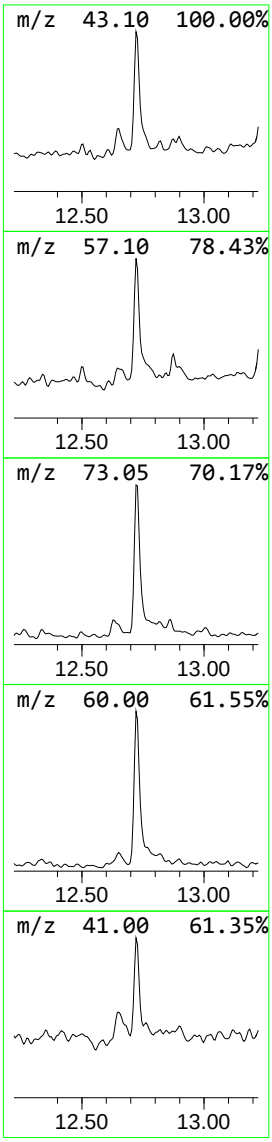
Peak Number 6 Pentadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	3.94 ng	156320	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3	Octadecanoic acid	284	C18H36O2	000057-11-4	76
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68





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Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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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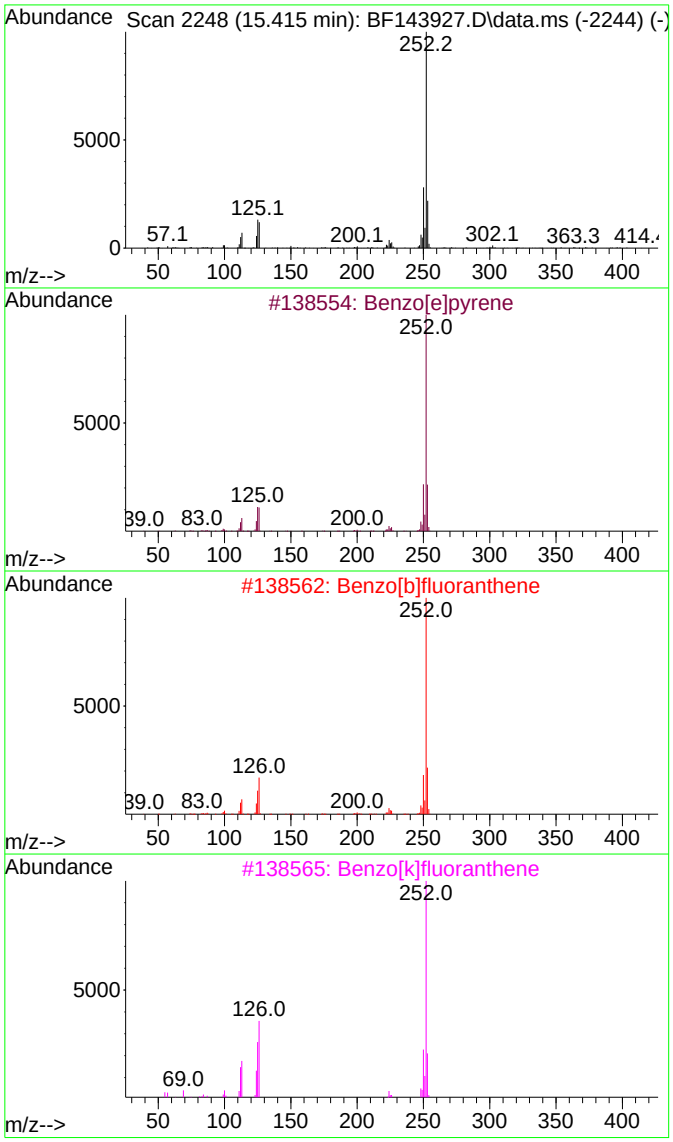
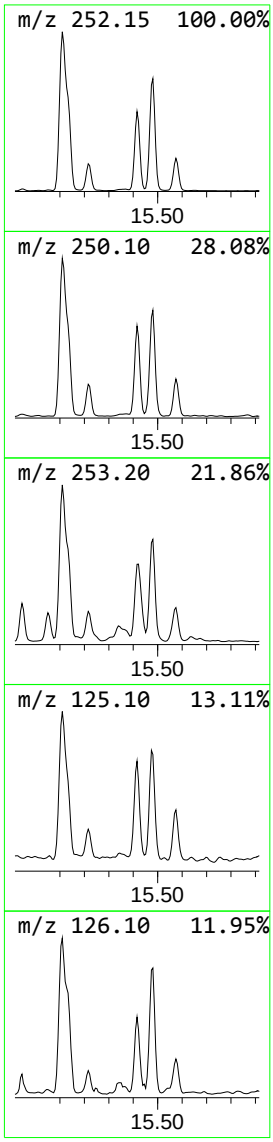
Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	8.60 ng	358793	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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	10.633	6.8	ng	317398	3	9.922	935055	20.0
9H-Fluoren-9-one	11.216	2.6	ng	104779	4	11.410	792757	20.0
Dibenzothiophene	11.310	2.1	ng	84589	4	11.410	792757	20.0
n-Hexadecanoic ...	11.939	19.2	ng	759566	4	11.410	792757	20.0
Pentadecanoic acid	12.722	3.9	ng	156320	4	11.410	792757	20.0
Benzo[e]pyrene	15.415	8.6	ng	358793	6	15.545	834288	20.0