Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143217.D
Acq On : 23 Jul 2025 17:57
Operator : RC/JU
Sample : Q2649-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Time: Jul 24 01:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129322	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	495320	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	265680	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	446309	20.000	ng	0.00
76) Chrysene-d12	14.121	240	268162	20.000	ng	0.00
86) Perylene-d12	15.621	264	271898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	799528	97.835	ng	0.01
7) Phenol-d6	6.587	99	1149093	111.712	ng	0.00
23) Nitrobenzene-d5	7.516	82	642250	64.633	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	319509	116.413	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1123948	57.857	ng	0.00
79) Terphenyl-d14	13.068	244	1309095	72.645	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	88173	13.361	ng	# 79
25) Isophorone	7.516	82	639679	36.466	ng	# 66
32) Benzoic acid	7.922	122	216	5.220	ng	# 80
51) 2,6-Dinitrotoluene	9.998	165	33824	9.601	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	33824	7.653	ng	# 21
63) Azobenzene	10.704	77	134888	7.561	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	529	5.613	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	20141	3.787	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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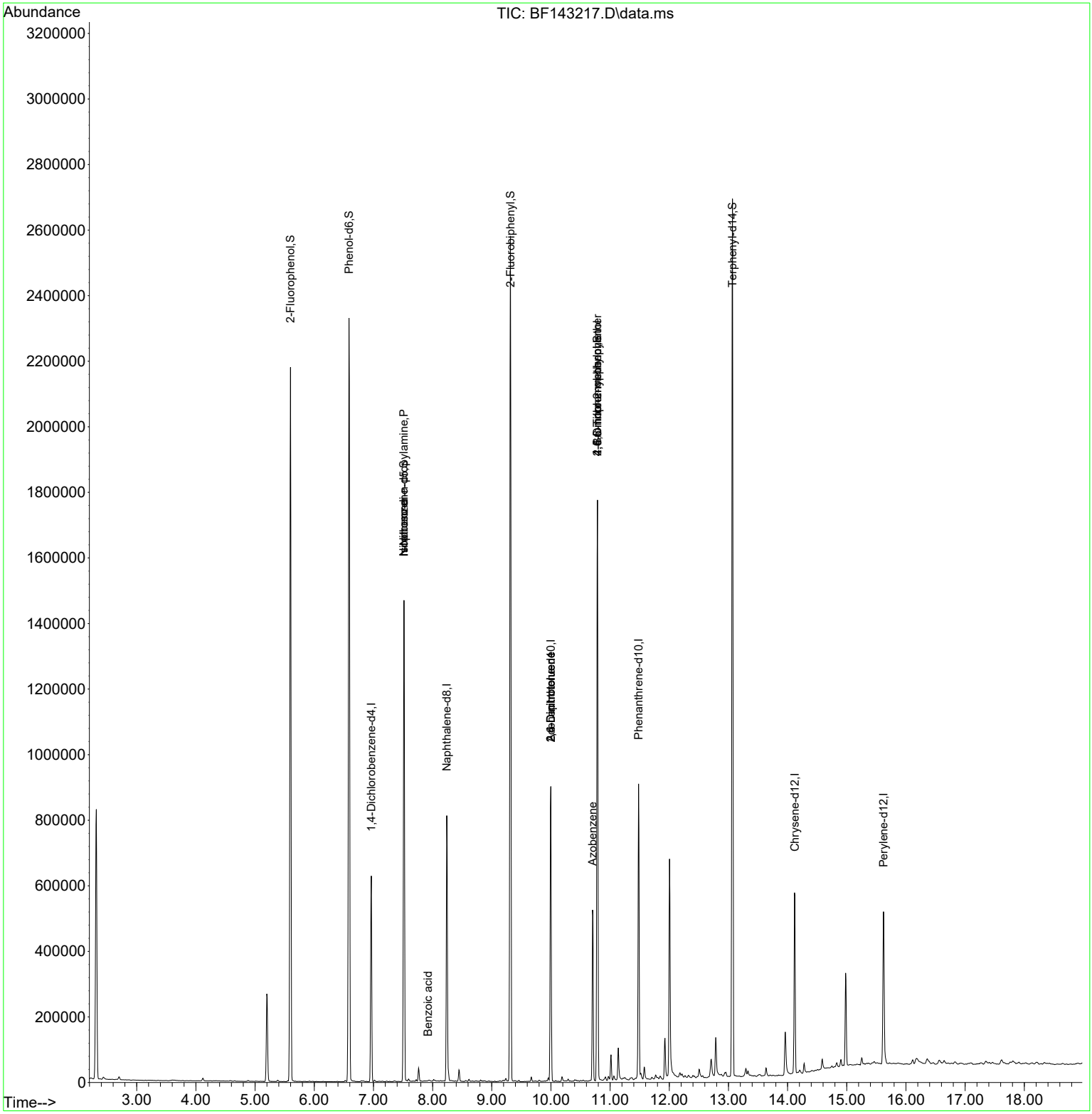
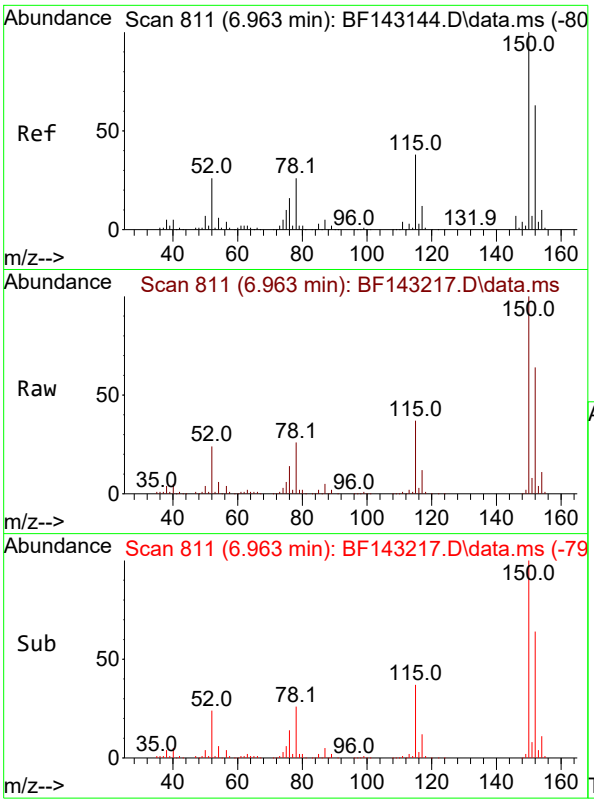


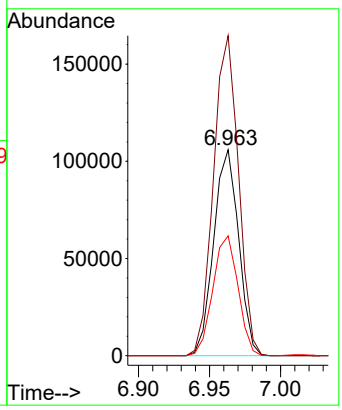


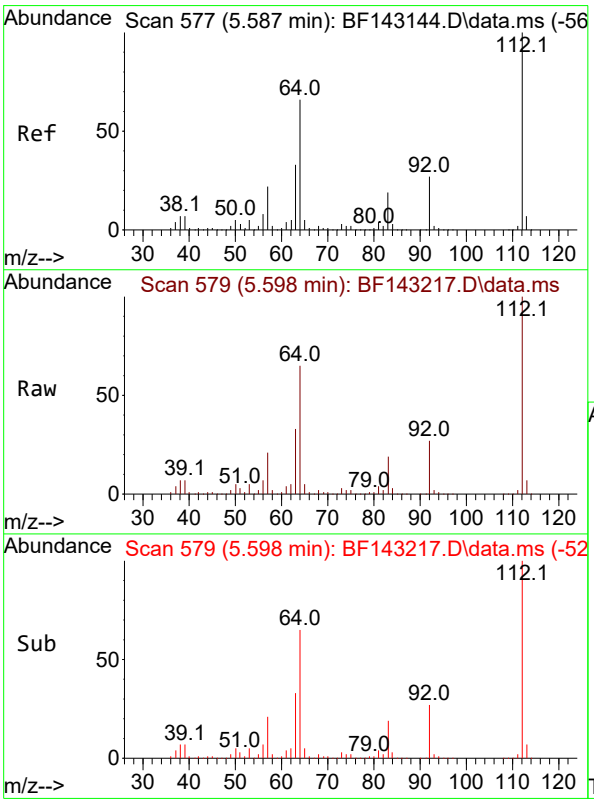
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:152 Resp: 129322

Ion	Ratio	Lower	Upper
152	100		
150	155.4	128.2	192.4
115	58.2	47.9	71.9

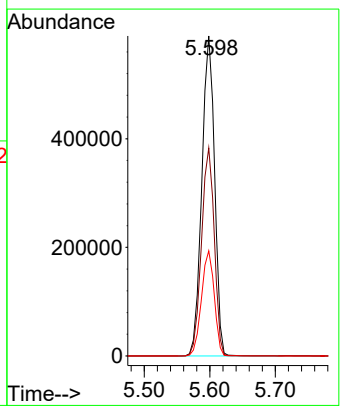


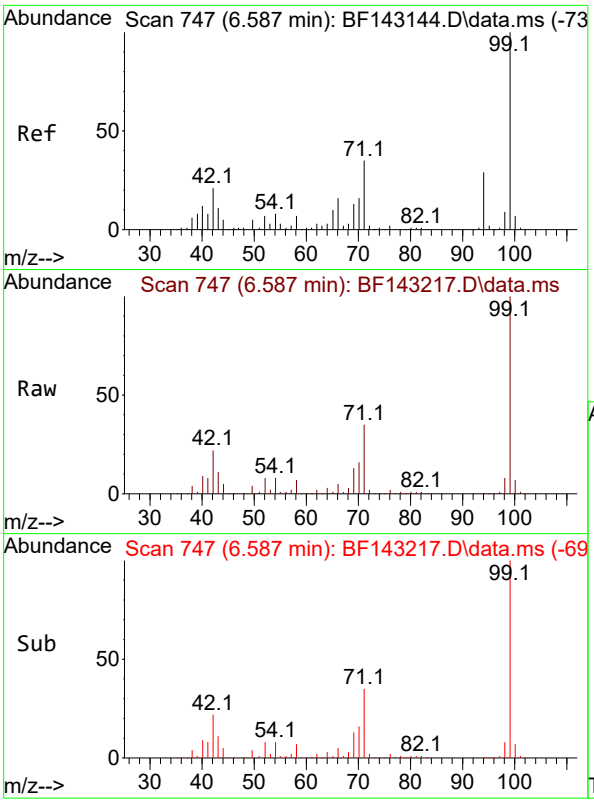


#5
2-Fluorophenol
Concen: 97.835 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:112 Resp: 799528

Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.1	79.7
63	32.9	26.6	40.0



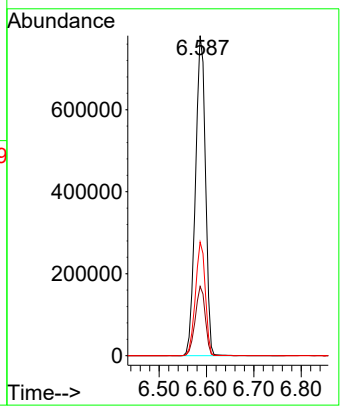


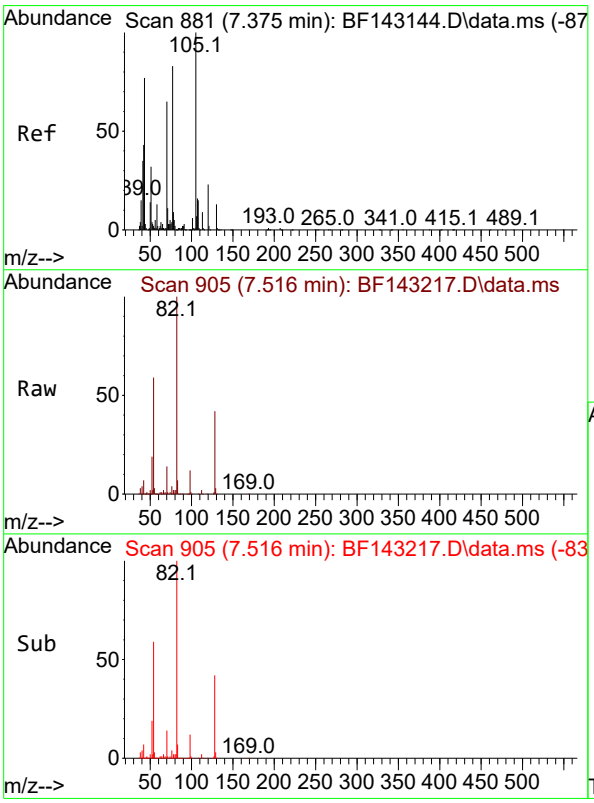
#7
Phenol-d6
Concen: 111.712 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 99 Resp: 1149093

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.0	25.6
71	35.5	27.7	41.5

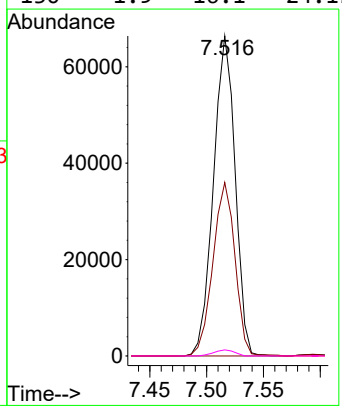


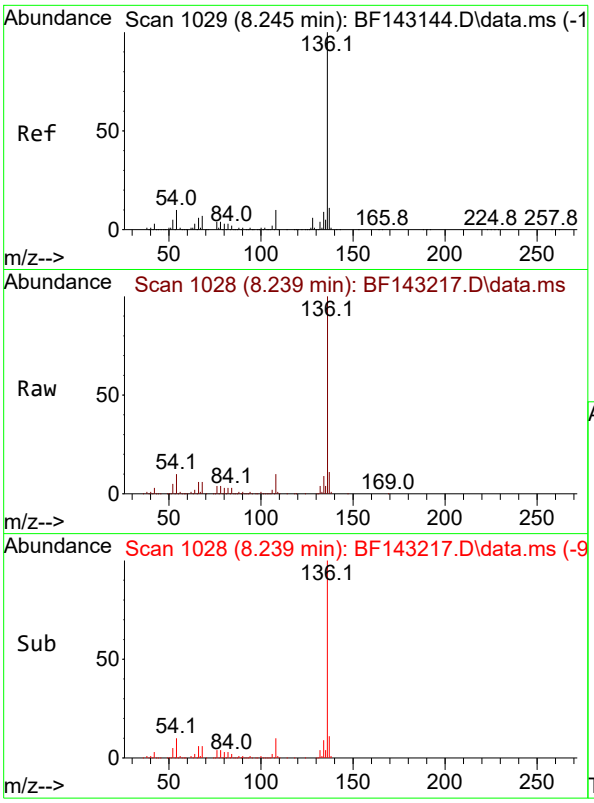


#19
n-Nitroso-di-n-propylamine
Concen: 13.361 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion: 70 Resp: 88173

Ion	Ratio	Lower	Upper
70	100		
42	54.2	52.5	78.7
101	0.0	7.6	11.4#
130	1.9	16.1	24.1#



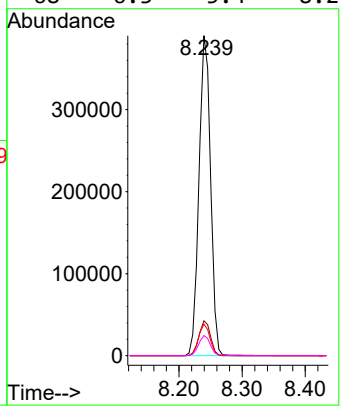


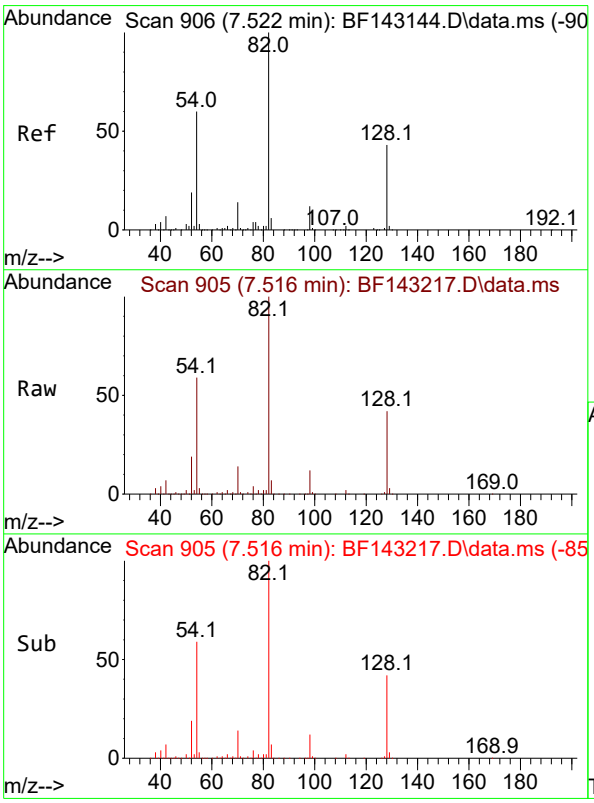
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 495320

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.9	8.2	12.2
68	6.3	5.4	8.2

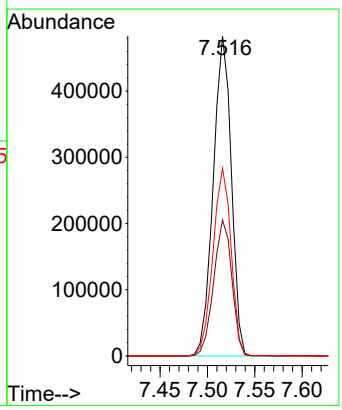


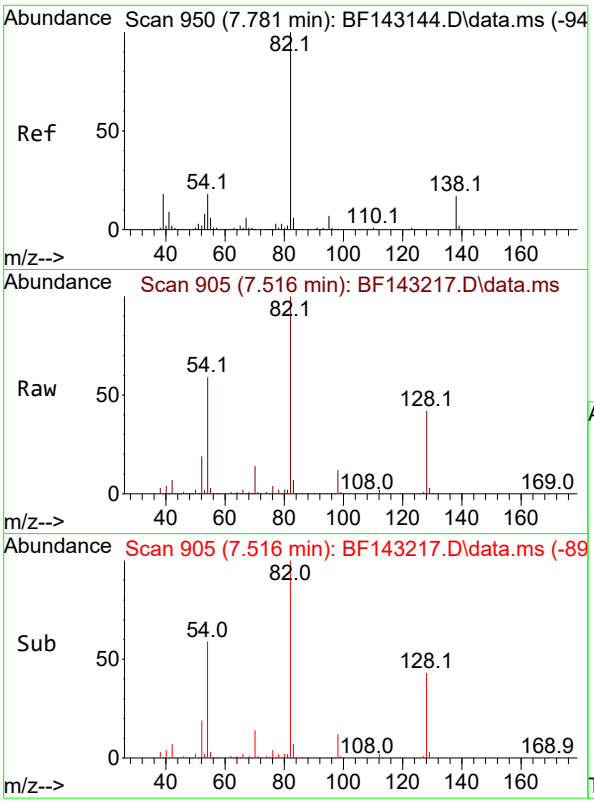


#23
Nitrobenzene-d5
Concen: 64.633 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion: 82 Resp: 642250

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	58.7	47.1	70.7



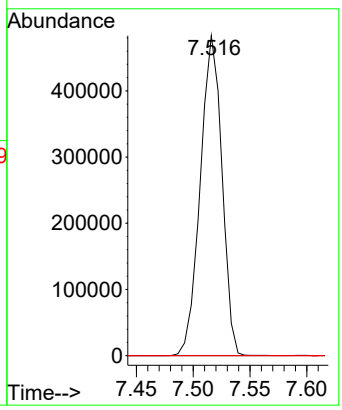


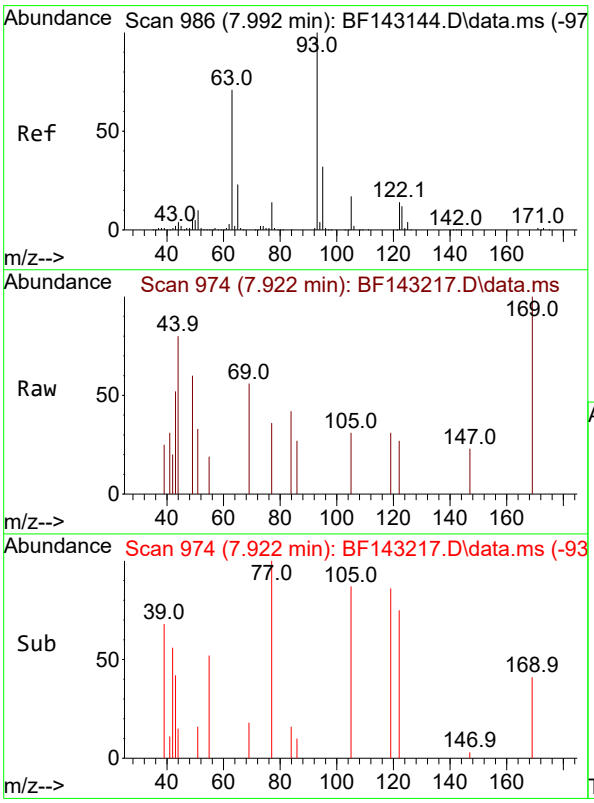
#25
Isophorone
Concen: 36.466 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 82 Resp: 639679

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.8	20.8#

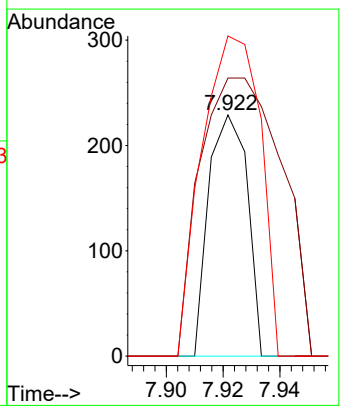


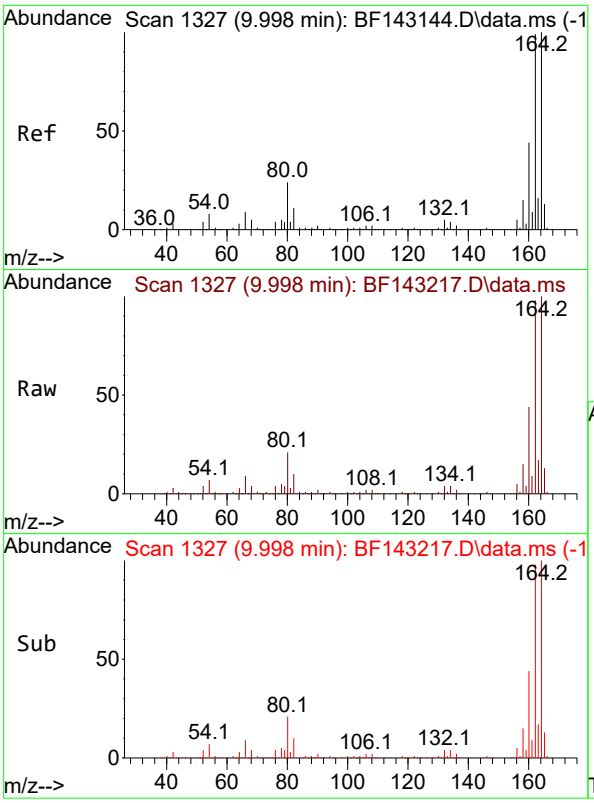


#32
Benzoic acid
Concen: 5.220 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:122 Resp: 216

Ion	Ratio	Lower	Upper
122	100		
105	115.3	104.8	144.8
77	132.8	77.6	117.6#



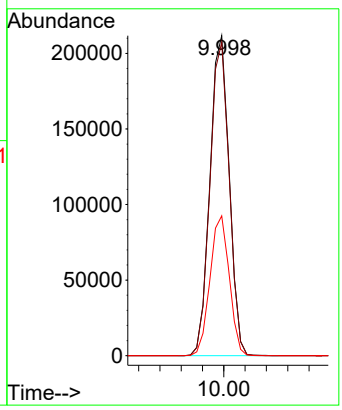


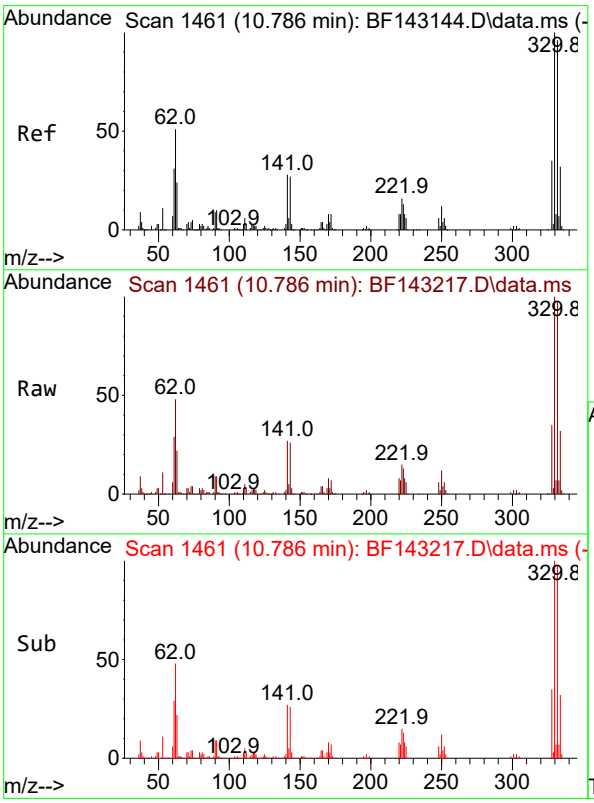
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:164 Resp: 265680

Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.0	118.6
160	43.7	35.1	52.7

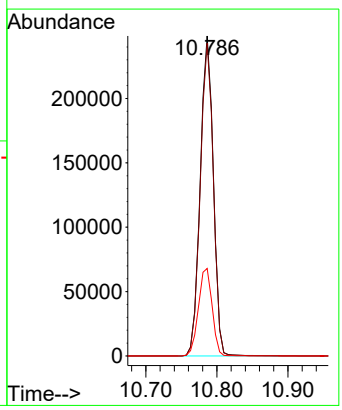


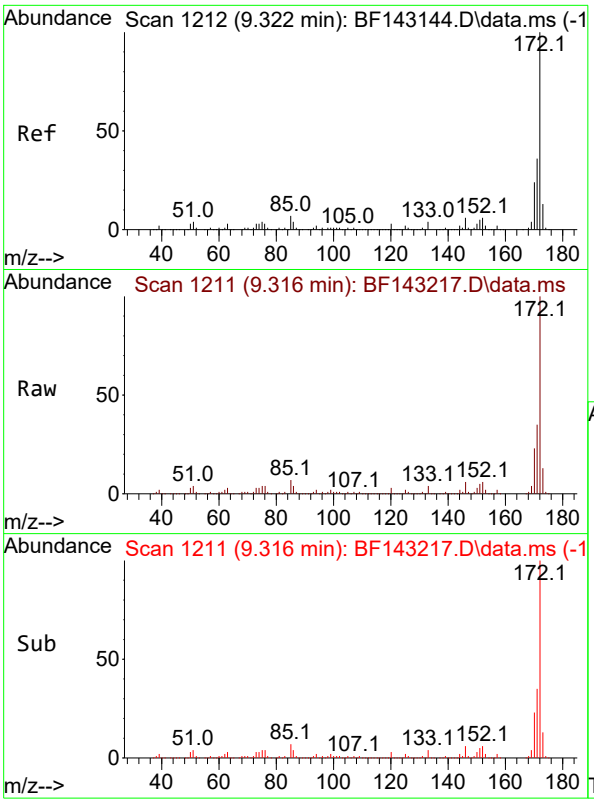


#42
2,4,6-Tribromophenol
Concen: 116.413 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:330 Resp: 319509

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.7	115.1
141	28.7	23.3	34.9



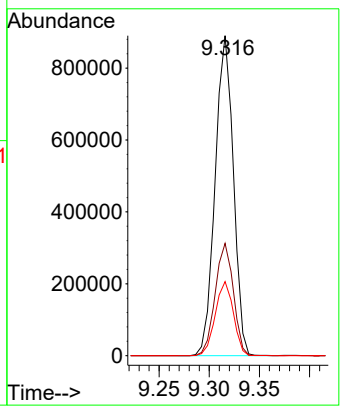


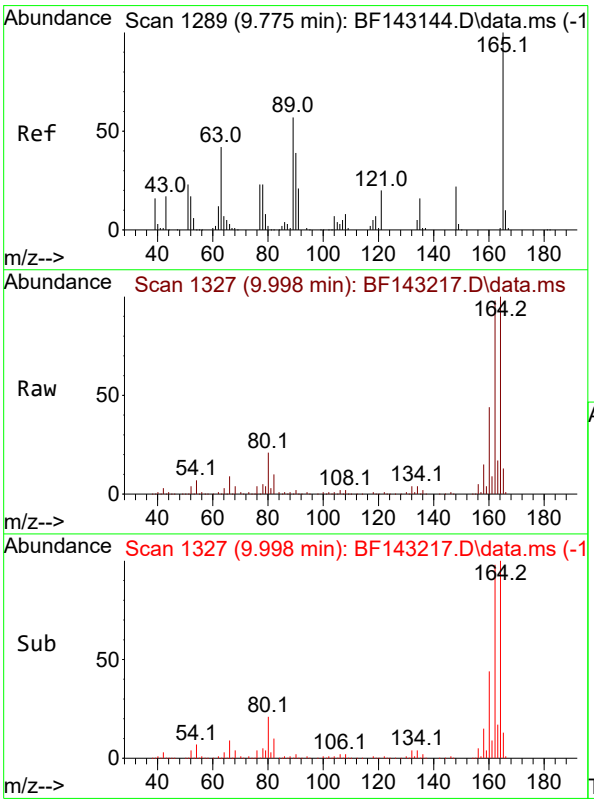
#45
2-Fluorobiphenyl
Concen: 57.857 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:172 Resp: 1123948

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.1	18.8	28.2

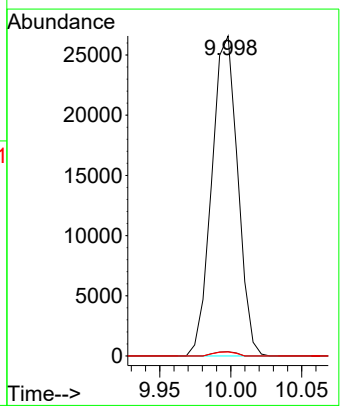


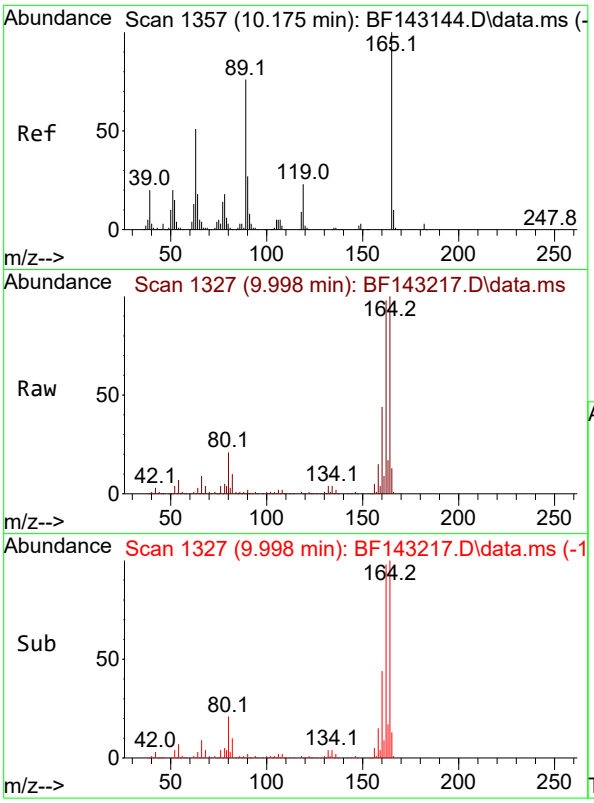


#51
2,6-Dinitrotoluene
Concen: 9.601 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:165 Resp: 33824

Ion	Ratio	Lower	Upper
165	100		
63	1.4	49.4	74.2#
89	1.3	46.2	69.2#



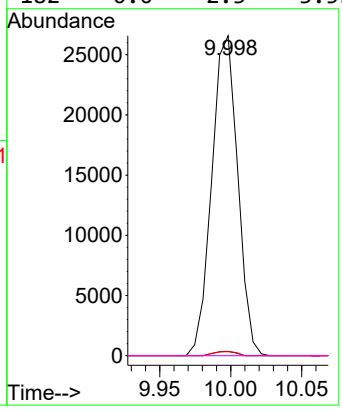


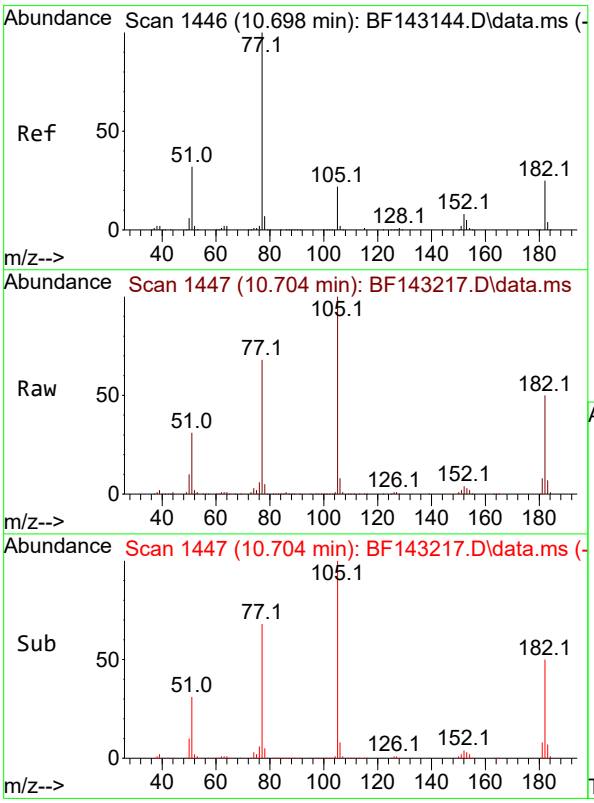
#57
2,4-Dinitrotoluene
Concen: 7.653 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.176 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:165 Resp: 33824

Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.0	61.4#
89	1.3	61.1	91.7#
182	0.0	2.3	3.5#

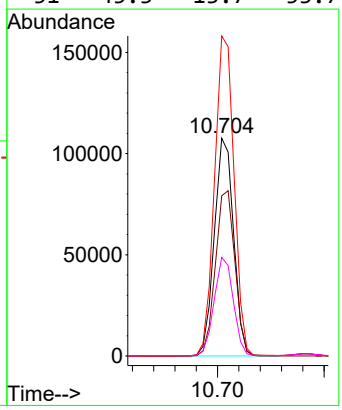


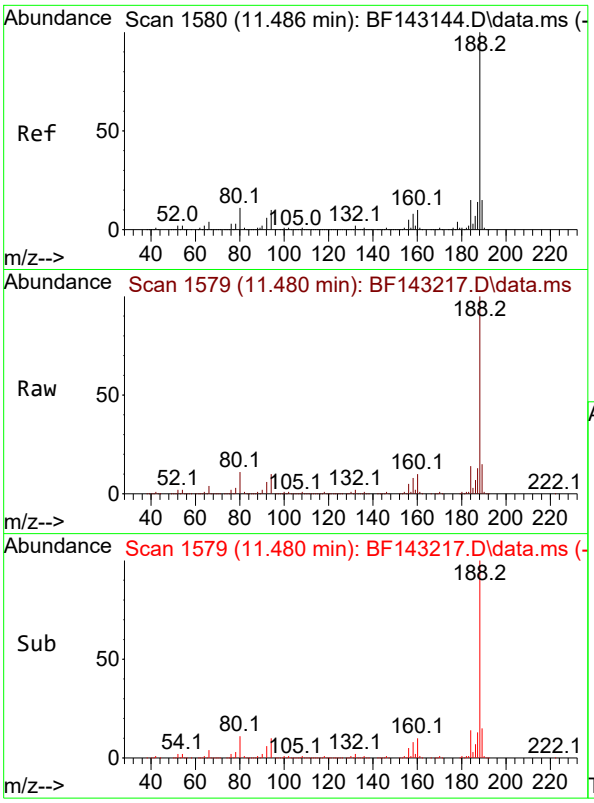


#63
Azobenzene
Concen: 7.561 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion: 77 Resp: 134888

Ion	Ratio	Lower	Upper
77	100		
182	73.6	4.6	44.6#
105	147.0	1.4	41.4#
51	45.3	13.7	53.7



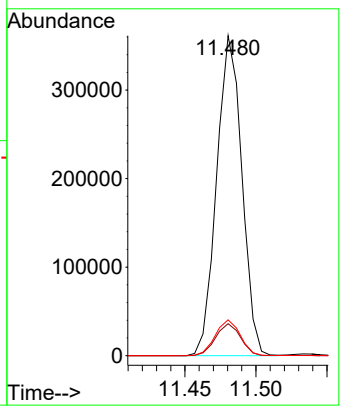


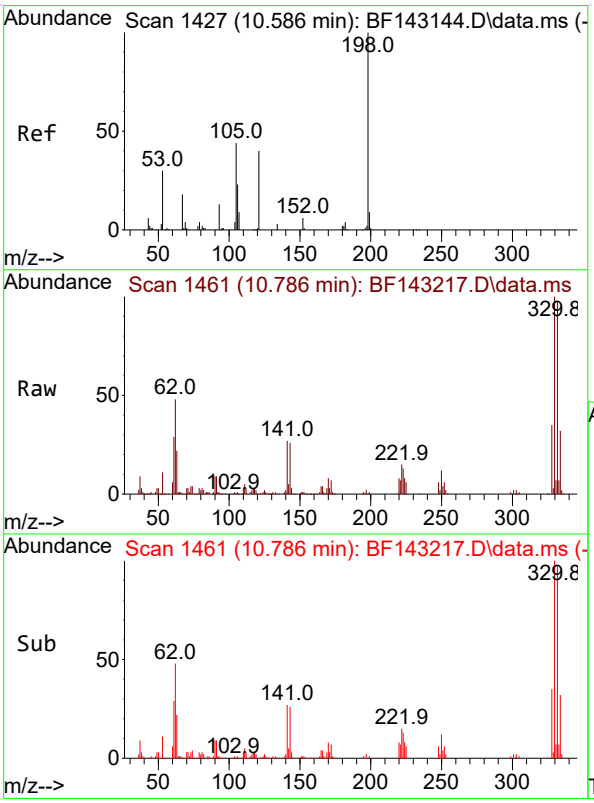
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:188 Resp: 446309

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.3	12.5
80	11.2	9.0	13.6

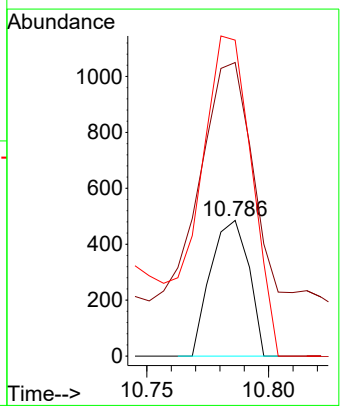


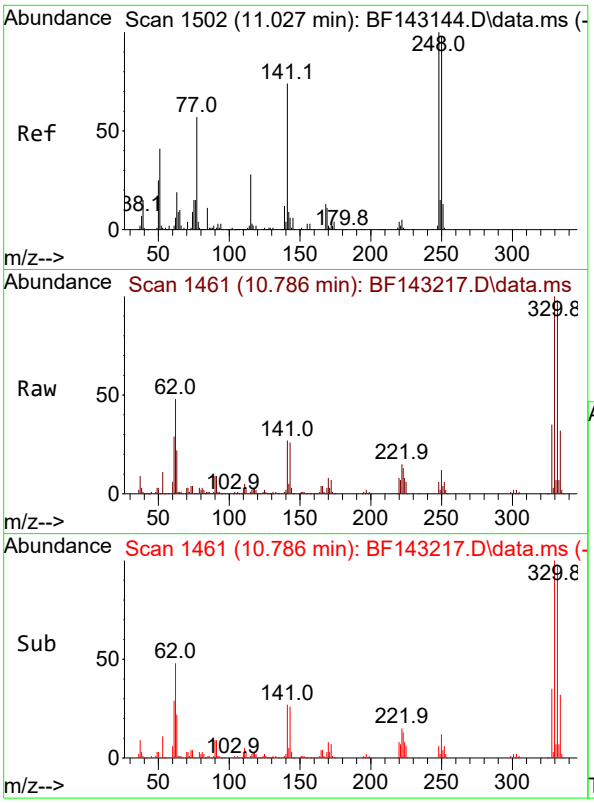


#65
4,6-Dinitro-2-methylphenol
Concen: 5.613 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:198 Resp: 529

Ion	Ratio	Lower	Upper
198	100		
51	216.5	37.2	77.2#
105	233.0	24.8	64.8#



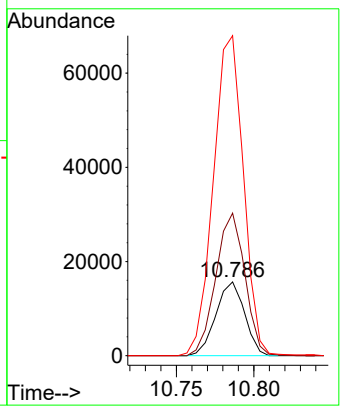


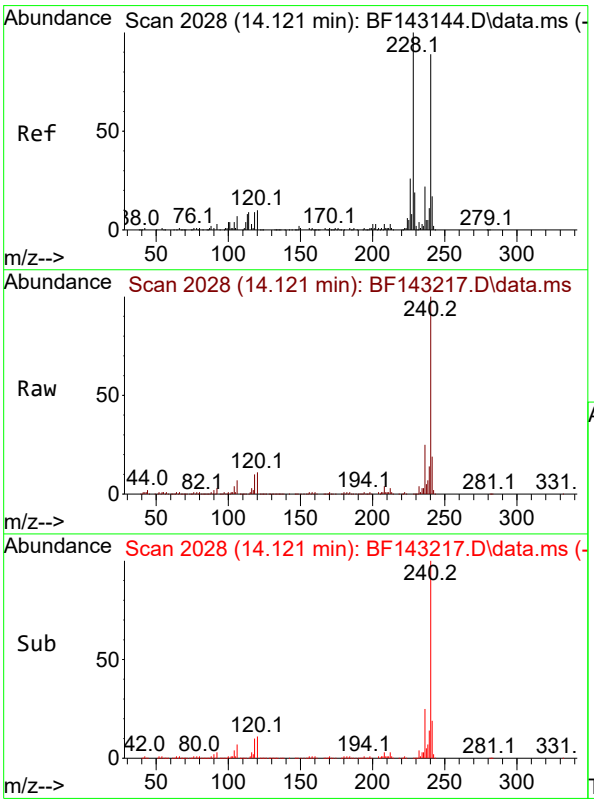
#67
4-Bromophenyl-phenylether
Concen: 3.787 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:248 Resp: 20141

Ion	Ratio	Lower	Upper
248	100		
250	193.4	78.3	117.5#
141	434.2	59.2	88.8#

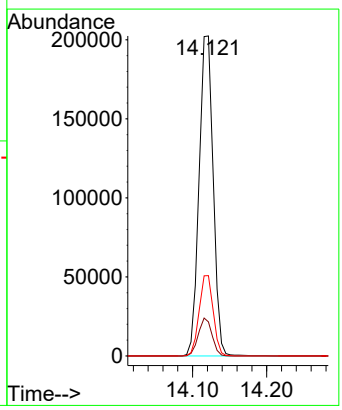


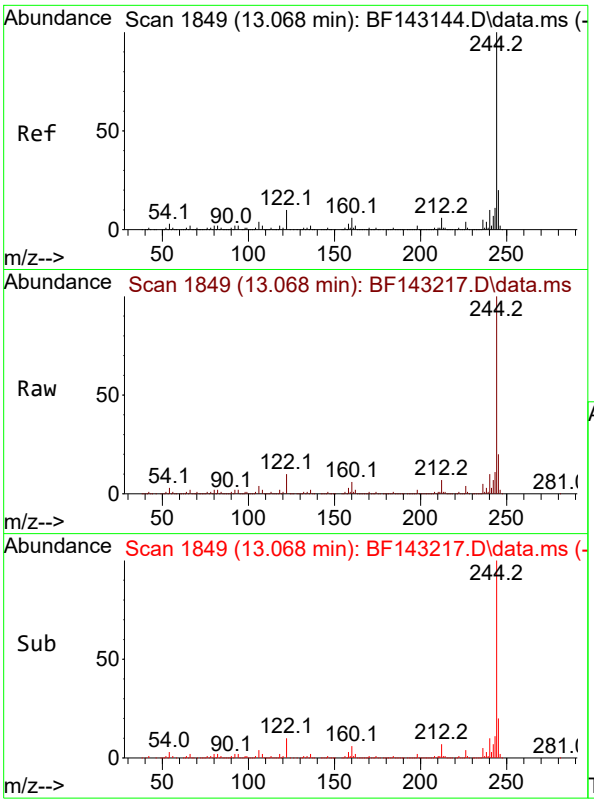


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:240 Resp: 268162

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.4	14.2
236	25.1	20.2	30.4



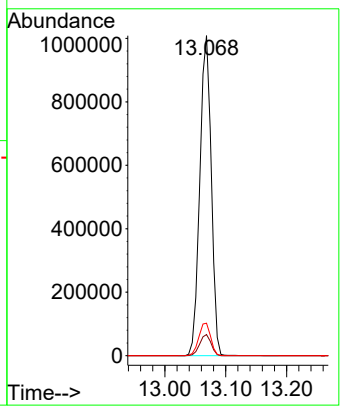


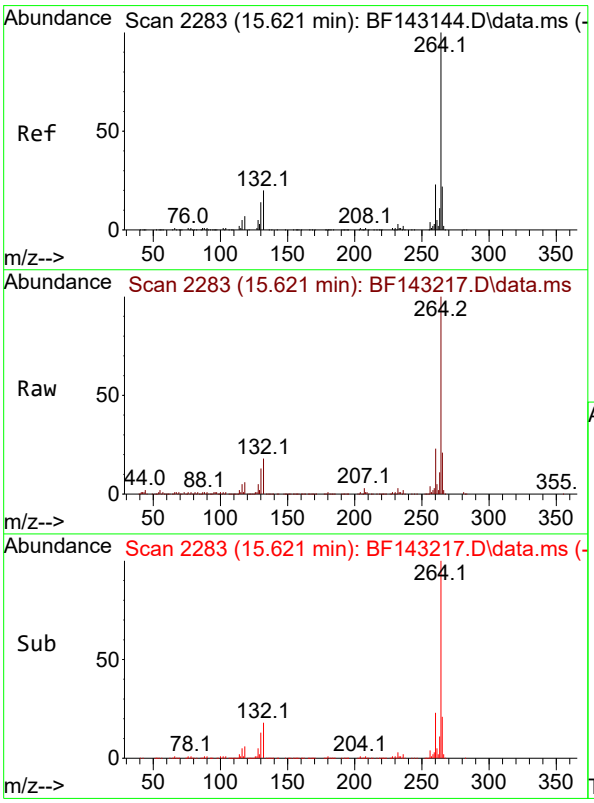
#79
Terphenyl-d14
Concen: 72.645 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WC-2

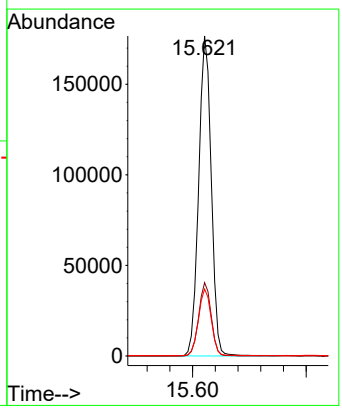
Tgt Ion:244 Resp: 1309095

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.1	8.2	12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143217.D
Acq: 23 Jul 2025 17:57

Tgt Ion:264 Resp: 271898

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	20.9	17.4	26.2