

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142496.D
 Acq On : 21 May 2025 19:34
 Operator : RC/JU
 Sample : Q2075-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-910

Quant Time: May 22 01:02:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	95024	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	312570	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	123916	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	182705	20.000	ng	0.00
76) Chrysene-d12	14.068	240	225541	20.000	ng	0.00
86) Perylene-d12	15.562	264	216170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	454281	80.543	ng	0.00
7) Phenol-d6	6.516	99	536496	79.019	ng	-0.02
23) Nitrobenzene-d5	7.457	82	290872	50.744	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	97720	71.053	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	433683	46.963	ng	-0.01
79) Terphenyl-d14	13.010	244	505882	30.651	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	41568	9.879	ng	# 77
25) Isophorone	7.457	82	277488	28.954	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	18196	10.311	ng	# 28
57) 2,4-Dinitrotoluene	9.939	165	18196	7.895	ng	# 29
63) Azobenzene	10.651	77	55782	7.777	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	6282	2.908	ng	# 1
71) Phenanthrene	11.451	178	103990	10.650	ng	99
72) Anthracene	11.498	178	20432	2.050	ng	96
75) Fluoranthene	12.645	202	253411	27.775	ng	99
78) Pyrene	12.869	202	214832	10.211	ng	98
81) Benzo(a)anthracene	14.057	228	112374	7.461	ng	94
83) Chrysene	14.092	228	106376	7.861	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	50300	3.099	ng	95
88) Benzo(b)fluoranthene	15.121	252	217213	16.978	ng	# 96
89) Benzo(k)fluoranthene	15.121	252	217213	18.127	ng	# 96
90) Benzo(a)pyrene	15.492	252	91312	7.572	ng	95
92) Benzo(g,h,i)perylene	17.515	276	44301	3.365	ng	97

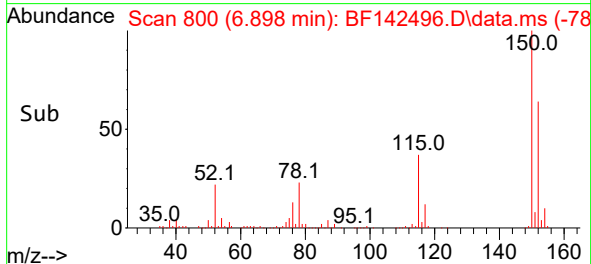
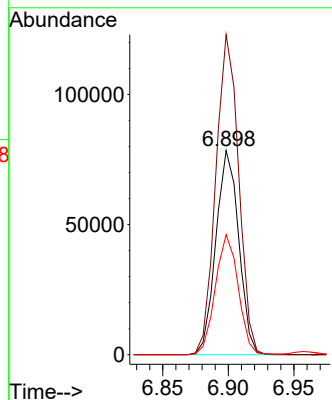
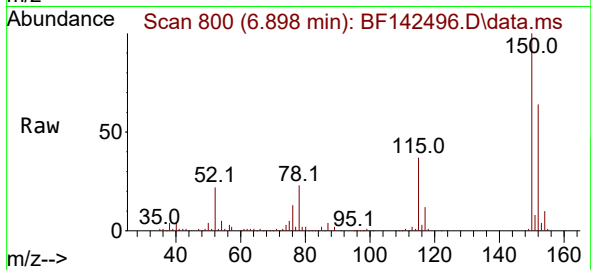
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

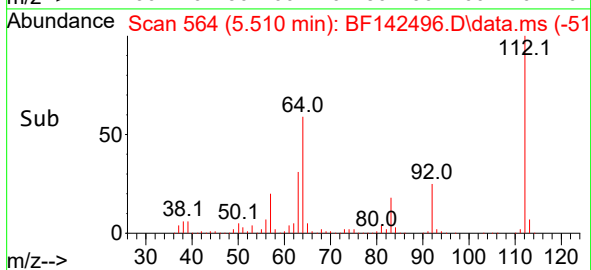
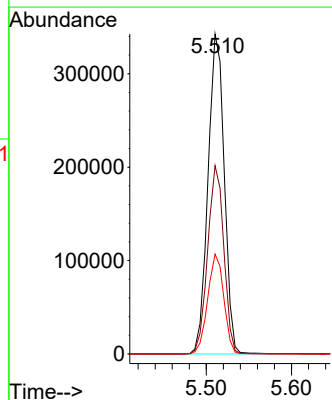
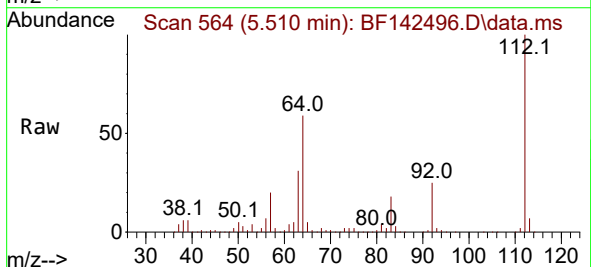
Instrument :
BNA_F
ClientSampleId :
SS-910

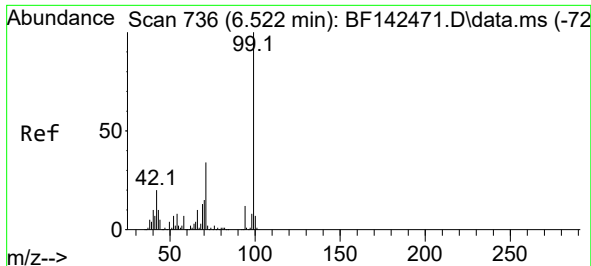
Tgt Ion:152 Resp: 95024
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 58.8 48.3 72.5



#5
2-Fluorophenol
Concen: 80.543 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:112 Resp: 454281
Ion Ratio Lower Upper
112 100
64 58.9 47.5 71.3
63 31.2 24.9 37.3

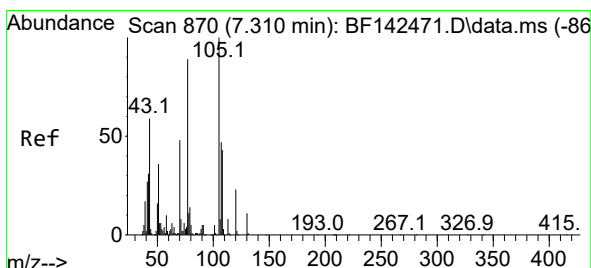
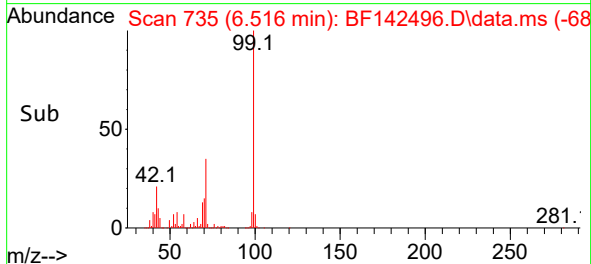
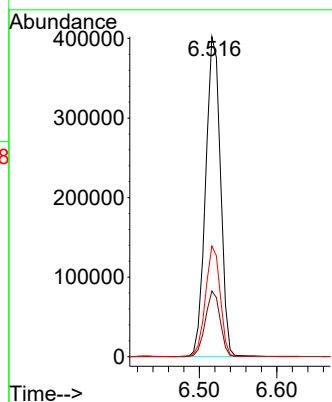
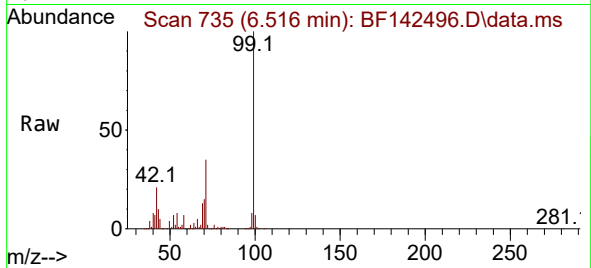




#7
Phenol-d6
Concen: 79.019 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

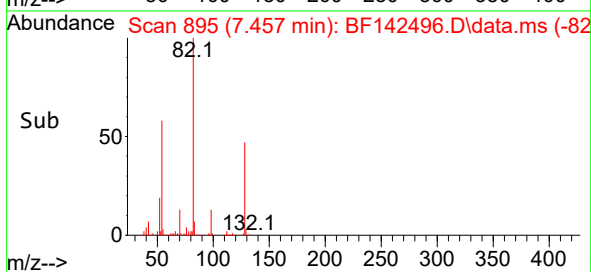
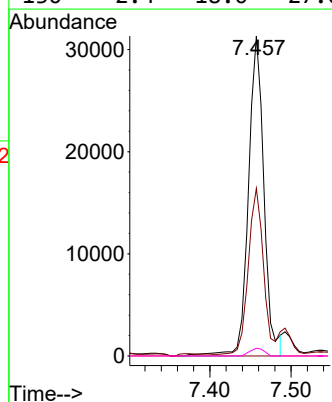
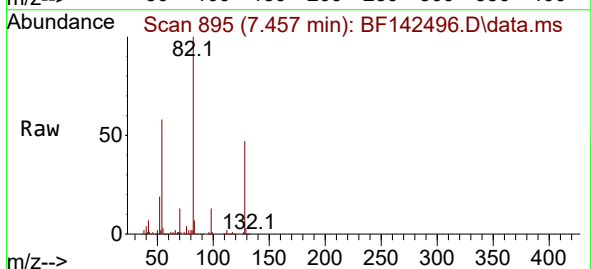
Instrument :
BNA_F
ClientSampleId :
SS-910

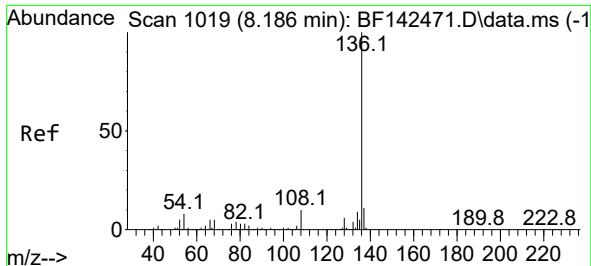
Tgt Ion: 99 Resp: 536496
Ion Ratio Lower Upper
99 100
42 20.5 16.2 24.2
71 34.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.879 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion: 70 Resp: 41568
Ion Ratio Lower Upper
70 100
42 52.3 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

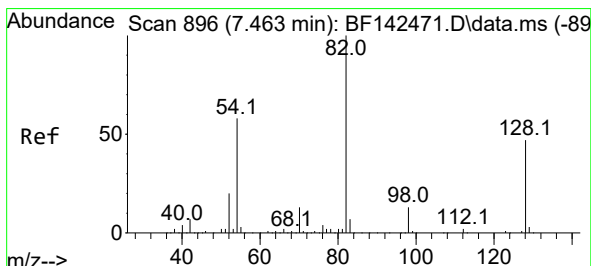
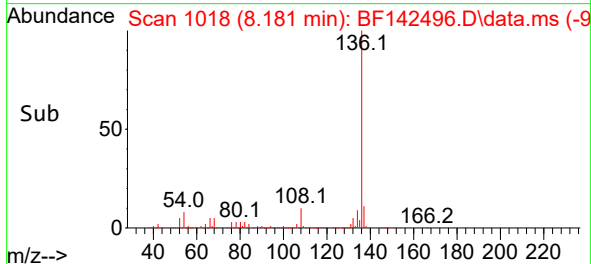
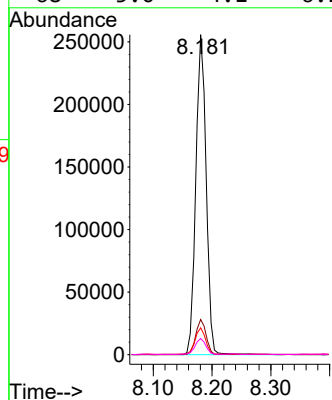
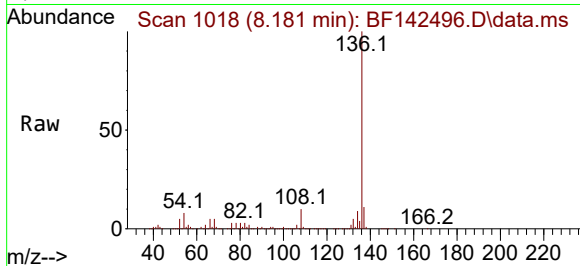




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

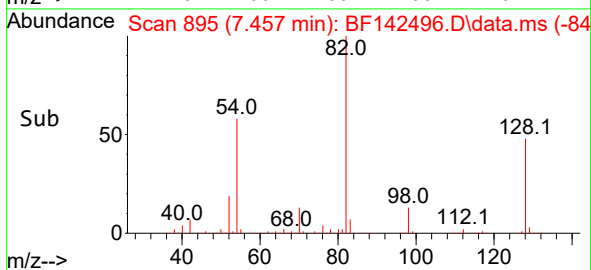
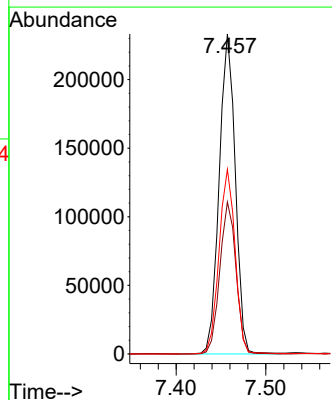
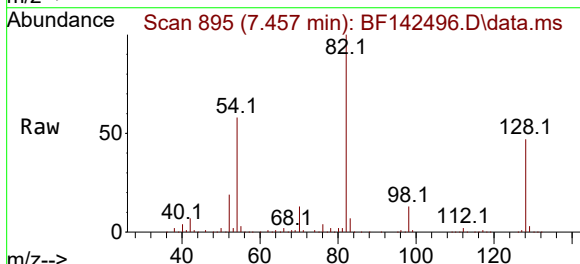
Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:136 Resp: 312570
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 10.0
68 5.0 4.1 6.1



#23
Nitrobenzene-d5
Concen: 50.744 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion: 82 Resp: 290872
Ion Ratio Lower Upper
82 100
128 47.5 37.4 56.2
54 57.7 46.6 70.0

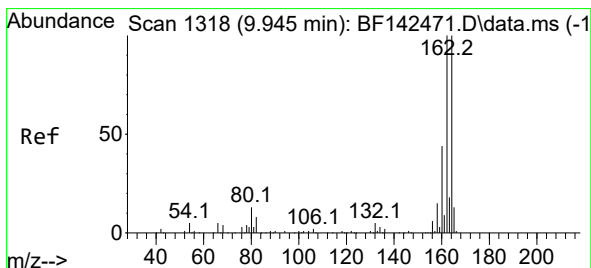
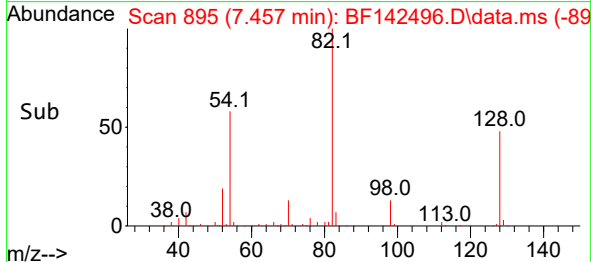
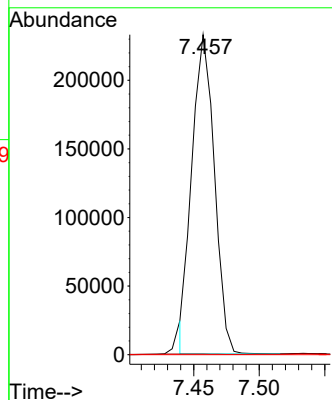
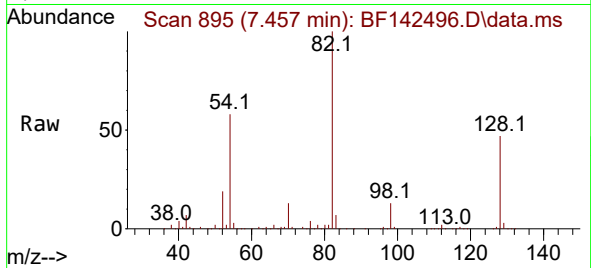




#25
Isophorone
Concen: 28.954 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

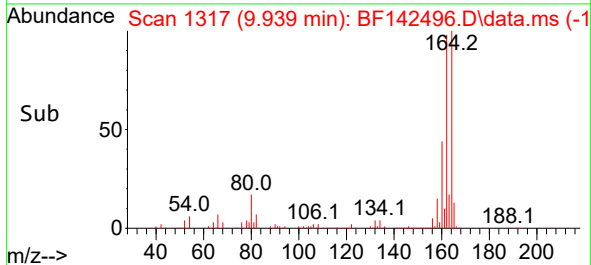
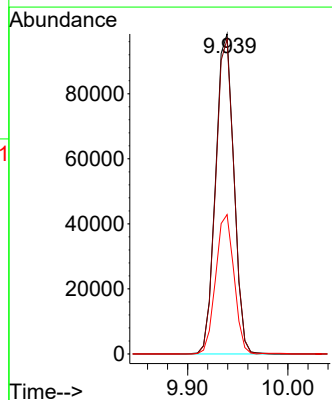
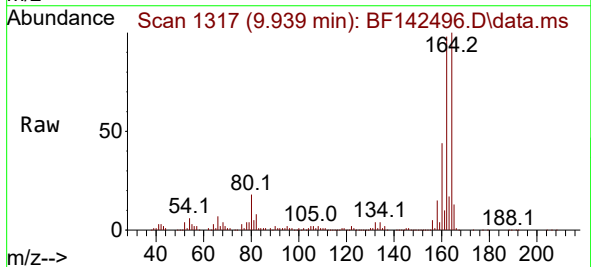
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ClientSampleId :
SS-910

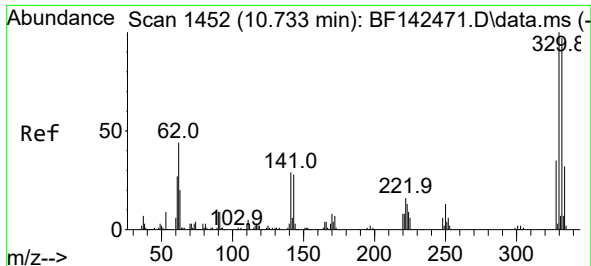
Tgt Ion: 82 Resp: 277488
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:164 Resp: 123916
Ion Ratio Lower Upper
164 100
162 98.4 80.2 120.4
160 43.6 35.6 53.4

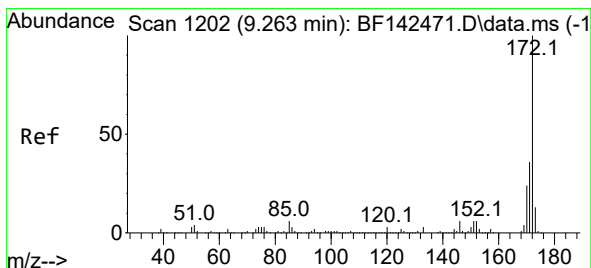
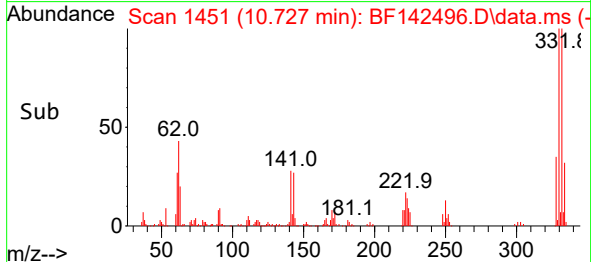
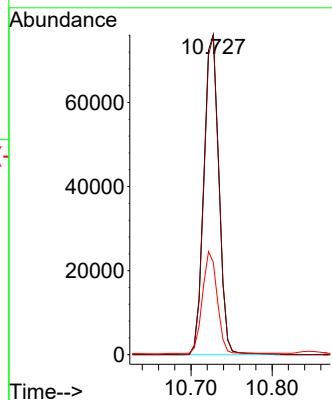
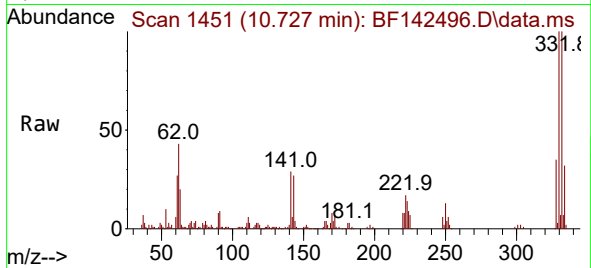




#42
2,4,6-Tribromophenol
Concen: 71.053 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

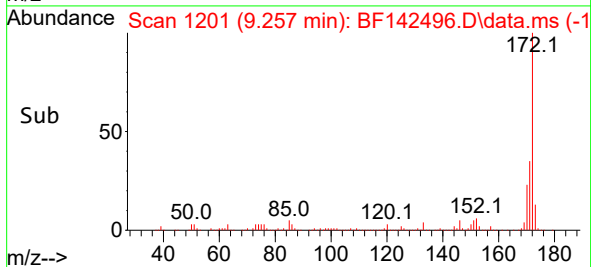
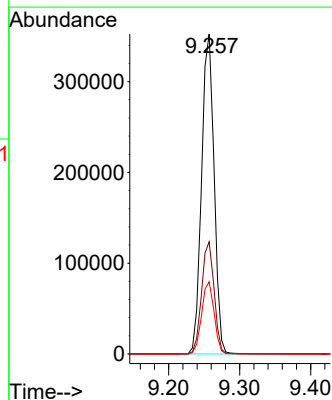
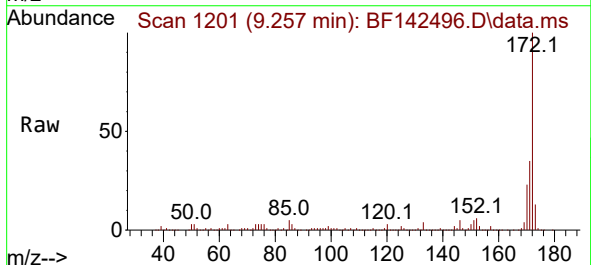
Instrument :
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ClientSampleId :
SS-910

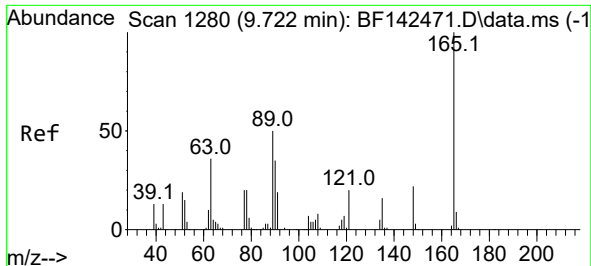
Tgt Ion:330 Resp: 97720
Ion Ratio Lower Upper
330 100
332 99.3 77.6 116.4
141 31.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 46.963 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:172 Resp: 433683
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 22.5 18.9 28.3

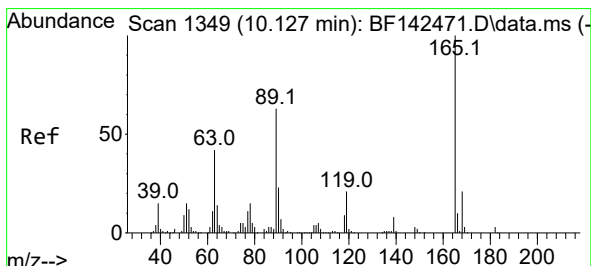
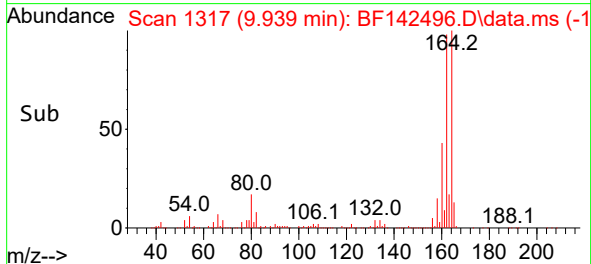
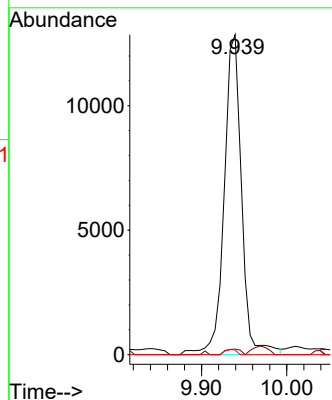
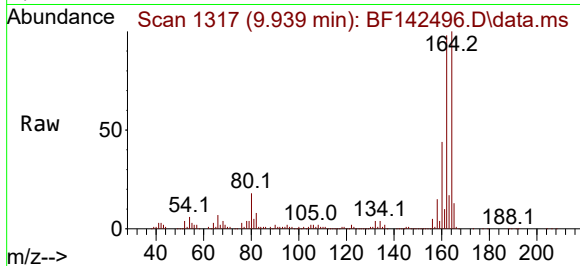




#51
2,6-Dinitrotoluene
Concen: 10.311 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.212 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

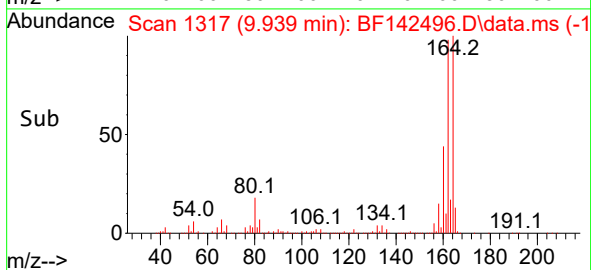
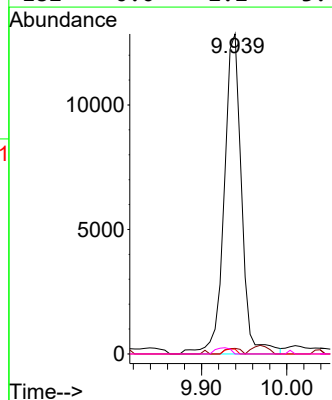
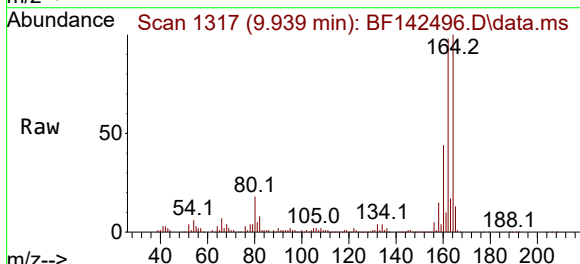
Instrument :
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ClientSampleId :
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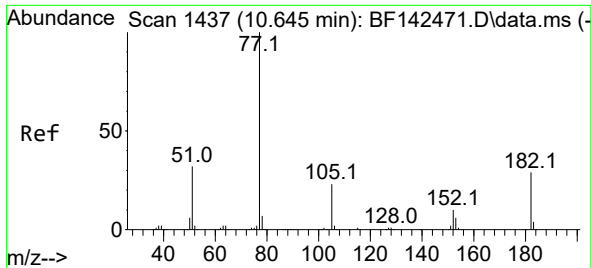
Tgt Ion:165 Resp: 18196
Ion Ratio Lower Upper
165 100
63 1.7 42.9 64.3#
89 1.5 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.895 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:165 Resp: 18196
Ion Ratio Lower Upper
165 100
63 1.7 33.6 50.4#
89 1.5 50.2 75.4#
182 0.0 2.2 3.4#

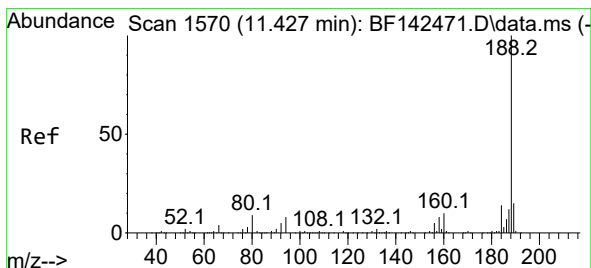
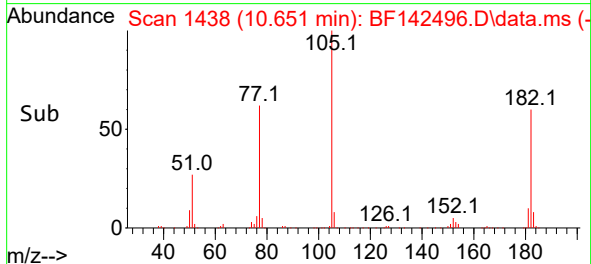
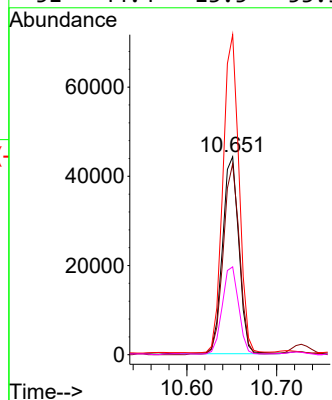
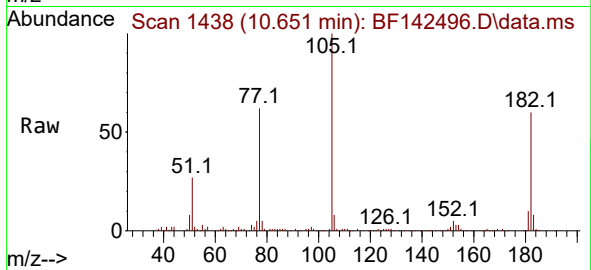




#63
Azobenzene
Concen: 7.777 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

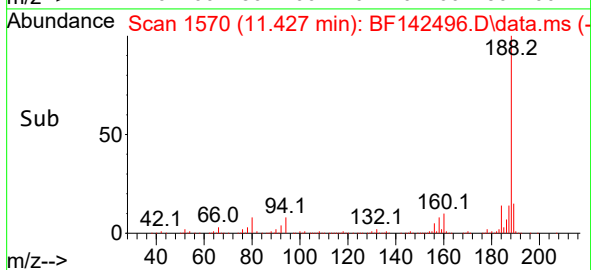
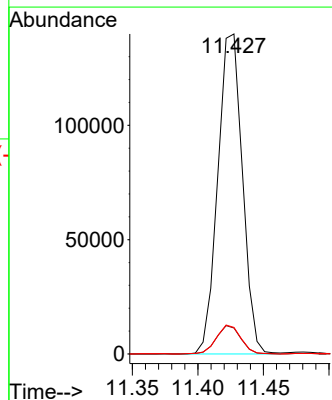
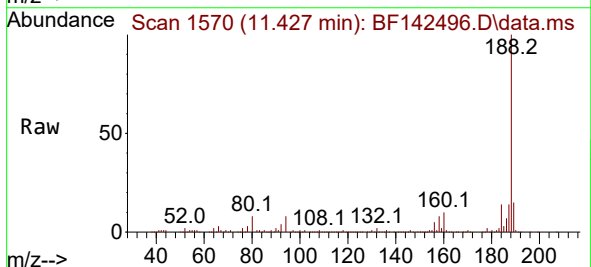
Instrument :
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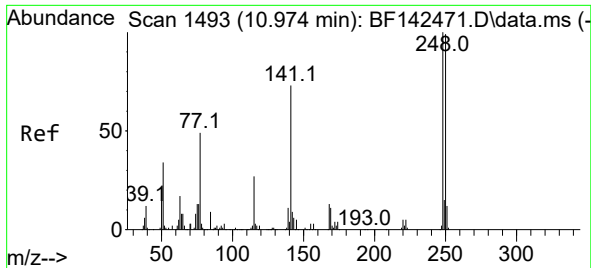
Tgt Ion: 77 Resp: 55782
Ion Ratio Lower Upper
77 100
182 96.4 9.0 49.0#
105 161.7 2.4 42.4#
51 44.4 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion: 188 Resp: 182705
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 8.3 7.4 11.0

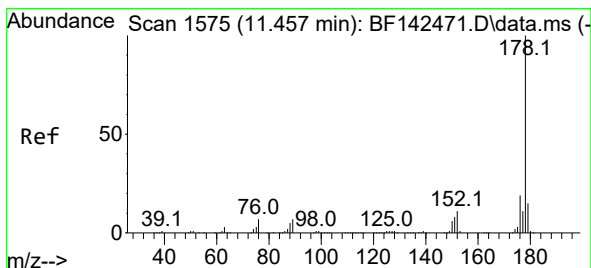
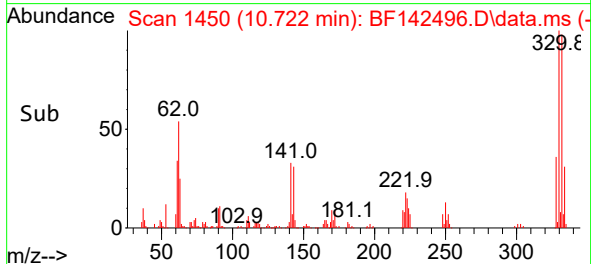
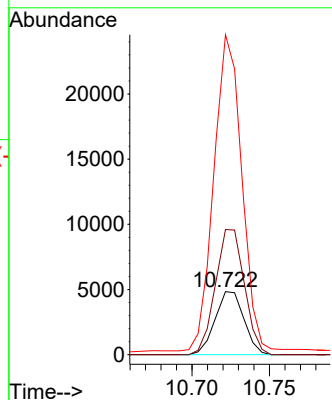
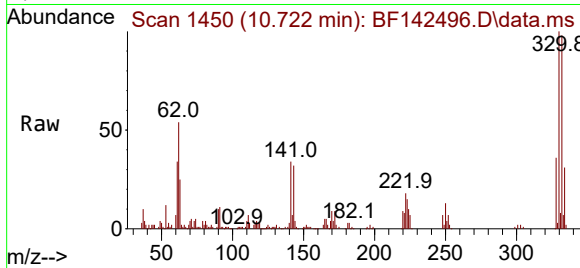




#67
4-Bromophenyl-phenylether
Concen: 2.908 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

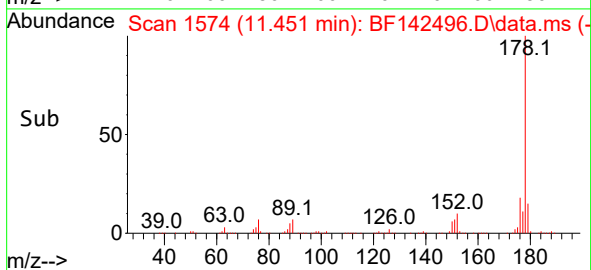
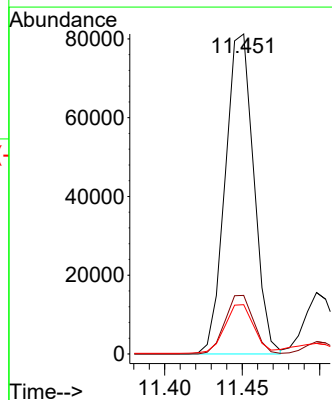
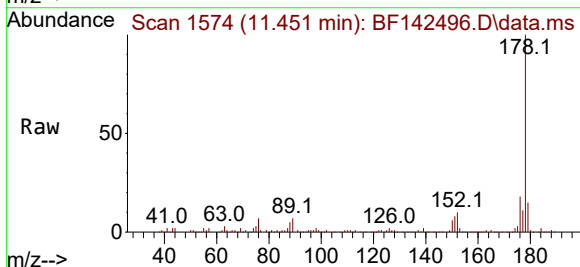
Instrument :
BNA_F
ClientSampleId :
SS-910

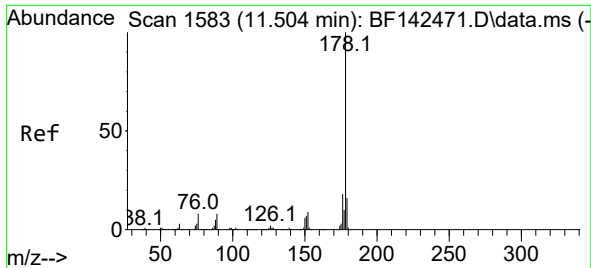
Tgt Ion:248 Resp: 6282
Ion Ratio Lower Upper
248 100
250 198.7 79.0 118.4#
141 508.1 58.4 87.6#



#71
Phenanthrene
Concen: 10.650 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:178 Resp: 103990
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.4 12.3 18.5

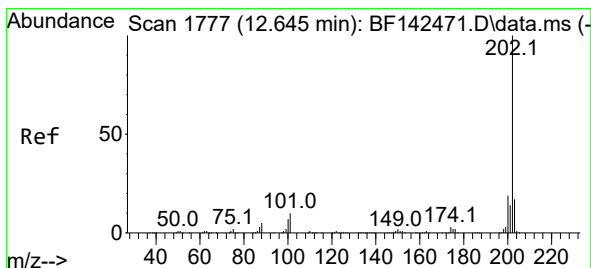
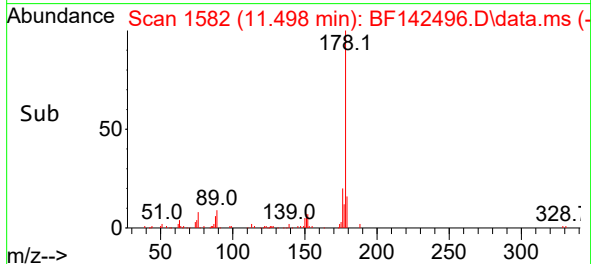
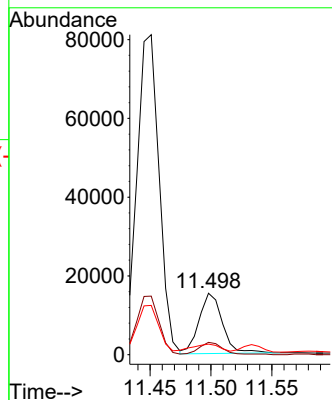
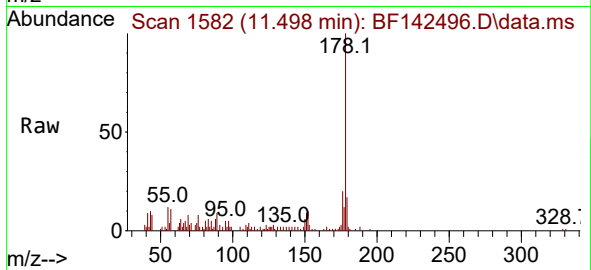




#72
 Anthracene
 Concen: 2.050 ng
 RT: 11.498 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142496.D
 Acq: 21 May 2025 19:34

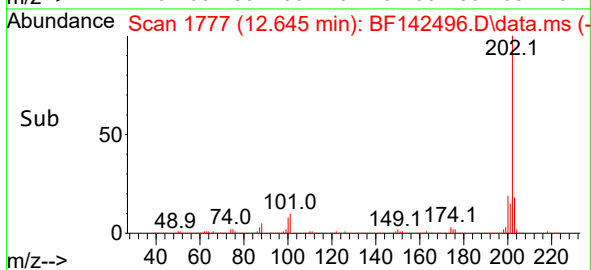
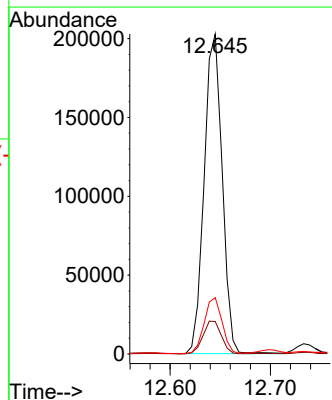
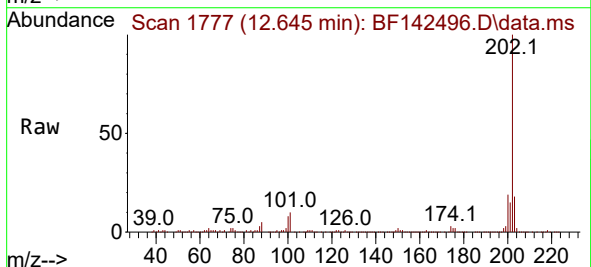
Instrument :
 BNA_F
 ClientSampleId :
 SS-910

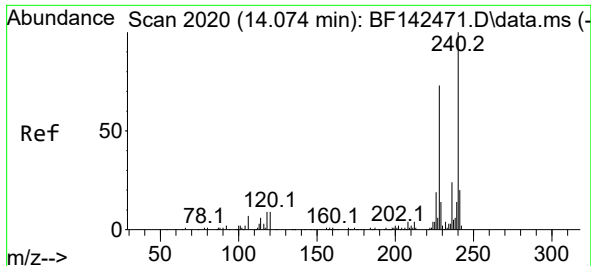
Tgt Ion:178 Resp: 20432
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.6 21.8
 179 17.3 12.4 18.6



#75
 Fluoranthene
 Concen: 27.775 ng
 RT: 12.645 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF142496.D
 Acq: 21 May 2025 19:34

Tgt Ion:202 Resp: 253411
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.6
 203 17.6 0.0 37.2

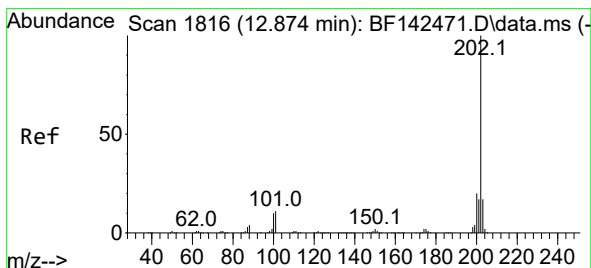
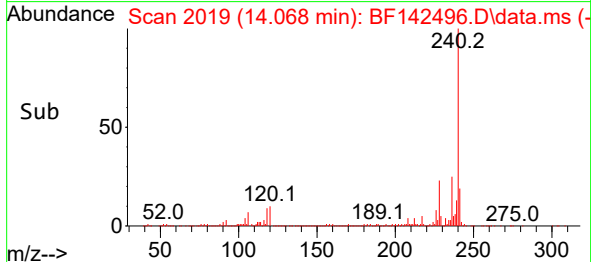
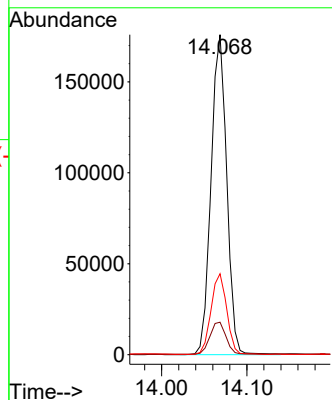
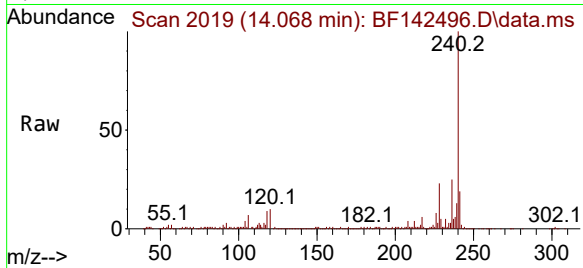




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

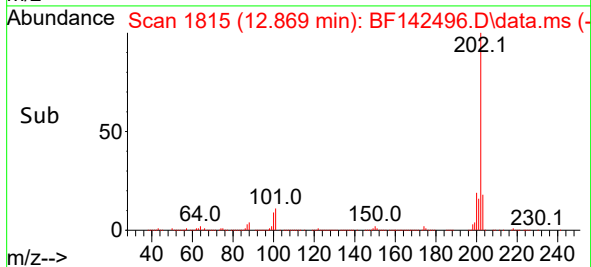
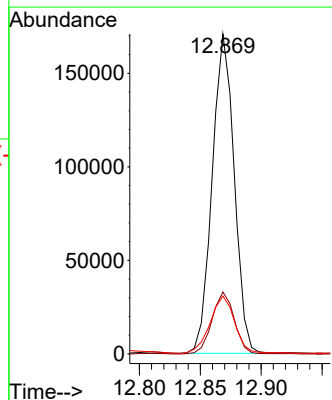
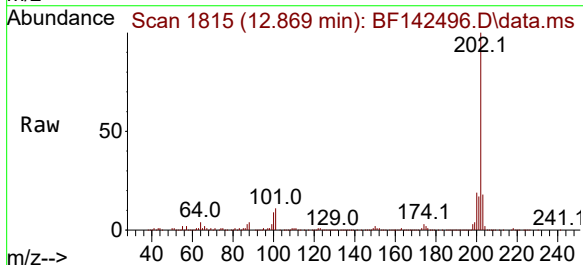
Instrument :
BNA_F
ClientSampleId :
SS-910

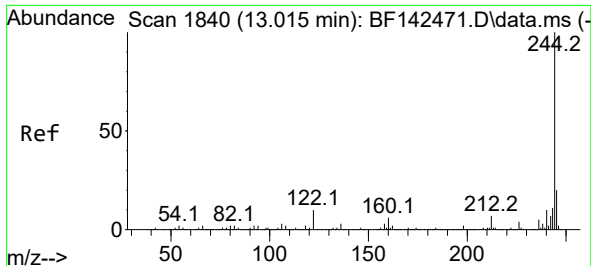
Tgt Ion:240 Resp: 225541
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 25.3 19.6 29.4



#78
Pyrene
Concen: 10.211 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:202 Resp: 214832
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 18.1 13.9 20.9

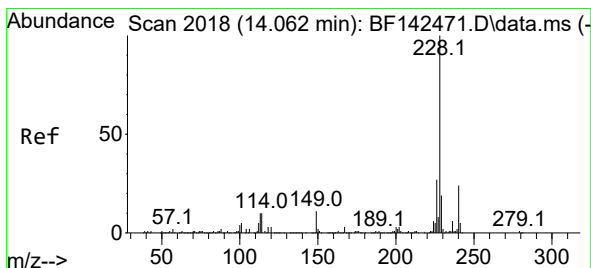
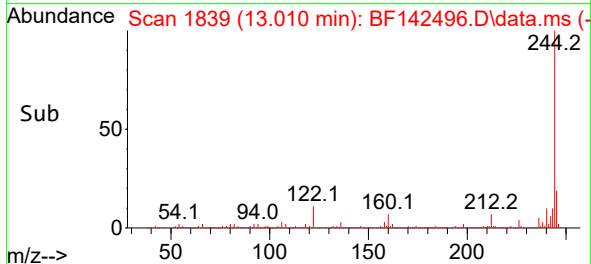
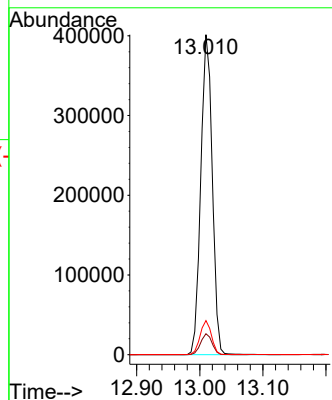
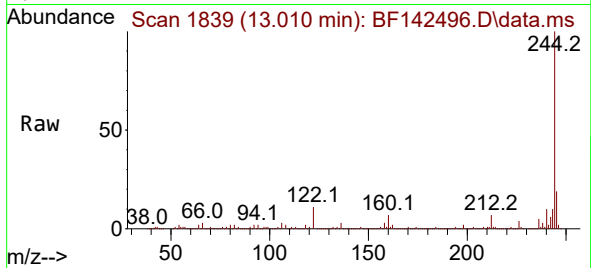




#79
 Terphenyl-d14
 Concen: 30.651 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142496.D
 Acq: 21 May 2025 19:34

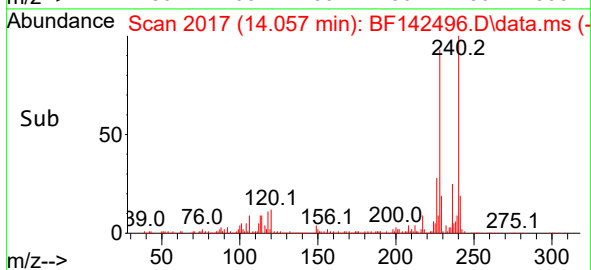
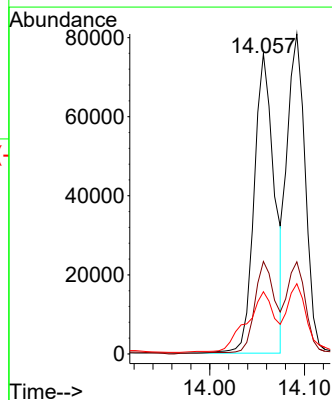
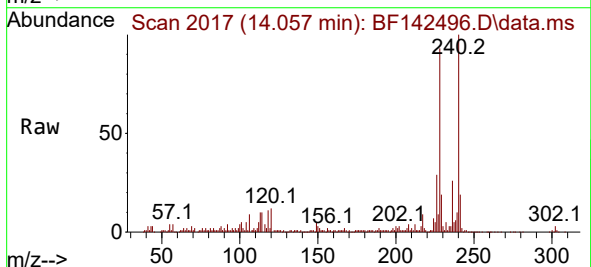
Instrument :
 BNA_F
 ClientSampleId :
 SS-910

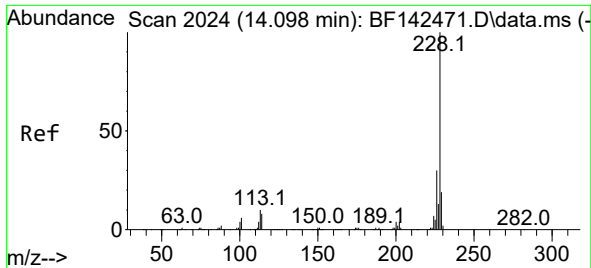
Tgt Ion:244 Resp: 505882
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.6 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 7.461 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142496.D
 Acq: 21 May 2025 19:34

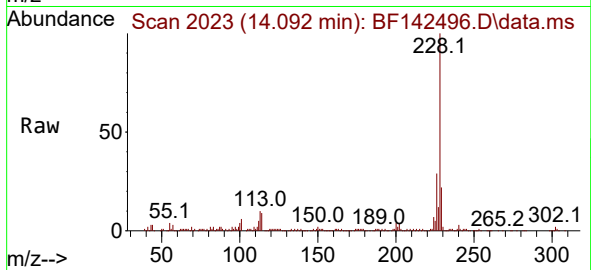
Tgt Ion:228 Resp: 112374
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.2 31.8
 229 20.7 15.5 23.3



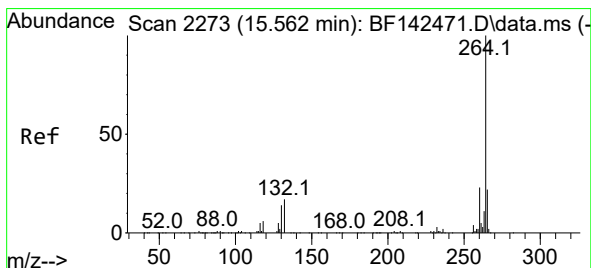
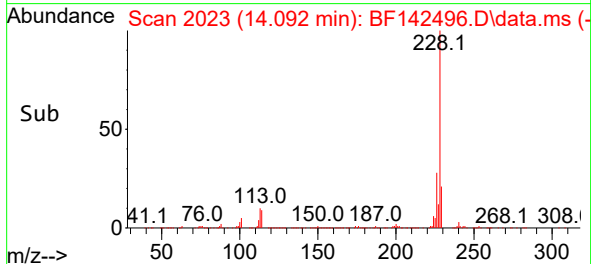
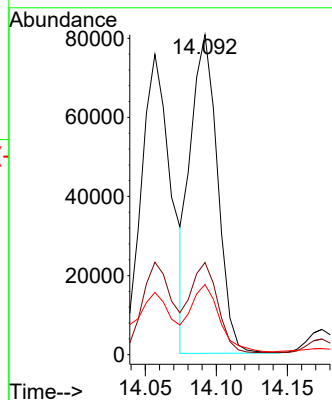


#83
Chrysene
Concen: 7.861 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

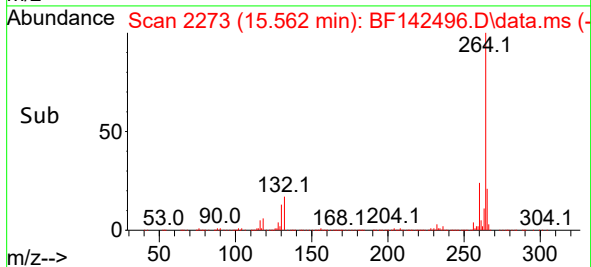
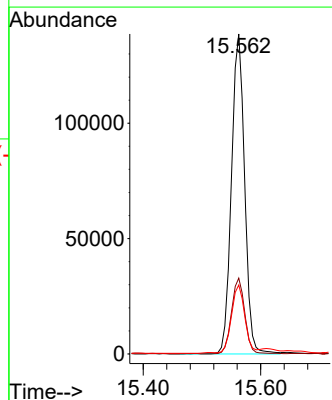
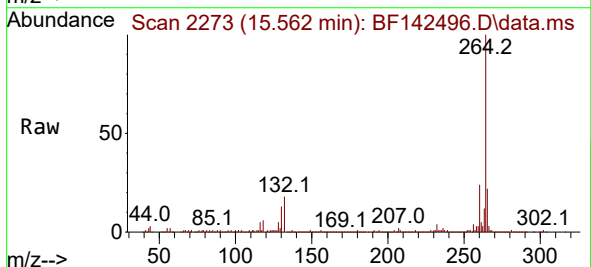


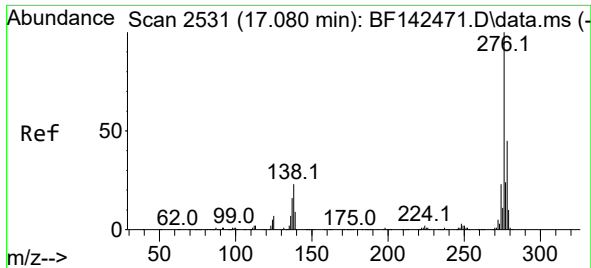
Tgt Ion:228 Resp: 106376
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.6
229 21.9 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:264 Resp: 216170
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.6 17.7 26.5

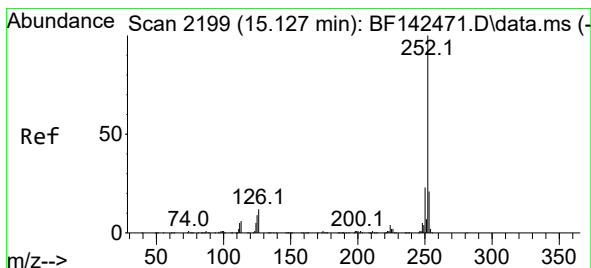
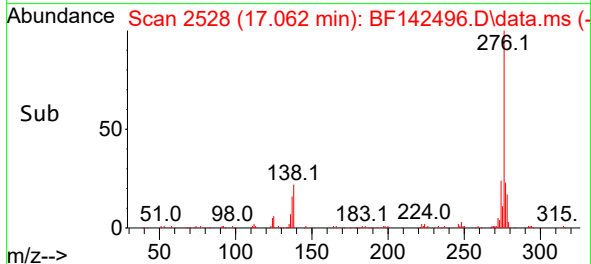
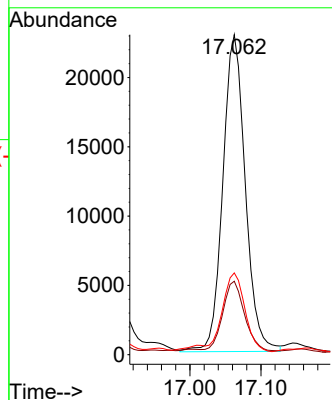
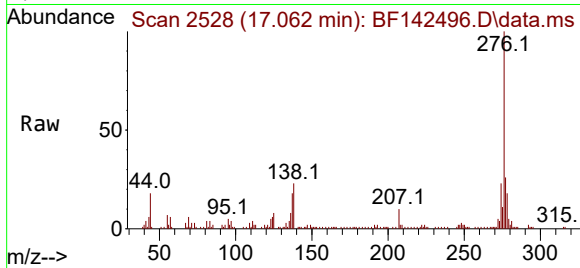




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.099 ng
RT: 17.062 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

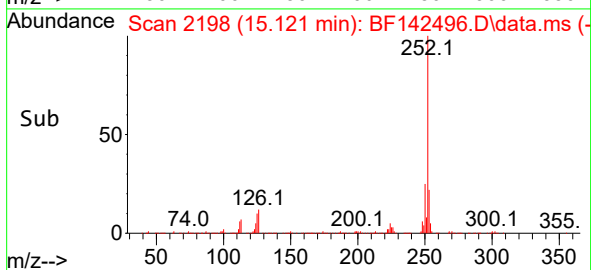
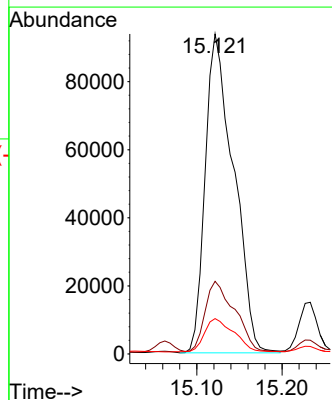
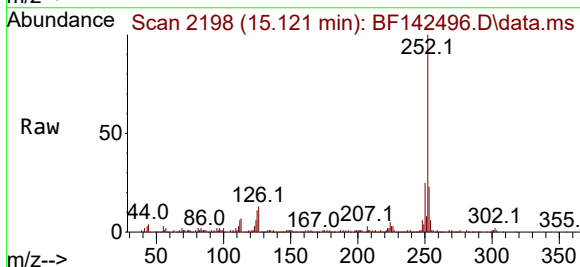
Instrument :
BNA_F
ClientSampleId :
SS-910

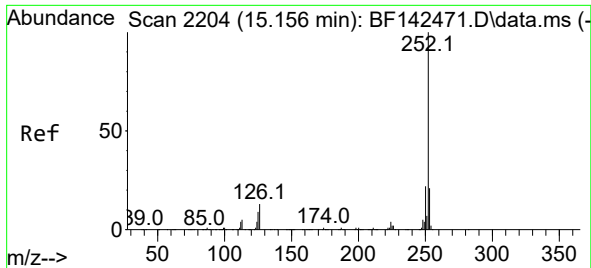
Tgt Ion:276 Resp: 50300
Ion Ratio Lower Upper
276 100
138 21.1 19.9 29.9
277 26.2 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 16.978 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:252 Resp: 217213
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 11.0 7.4 11.0#

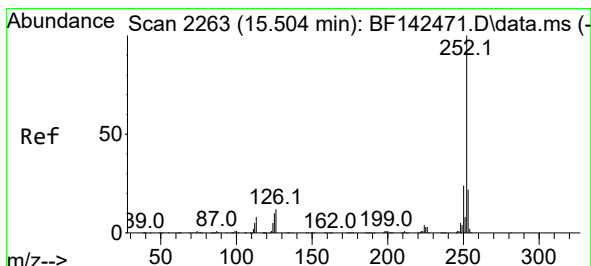
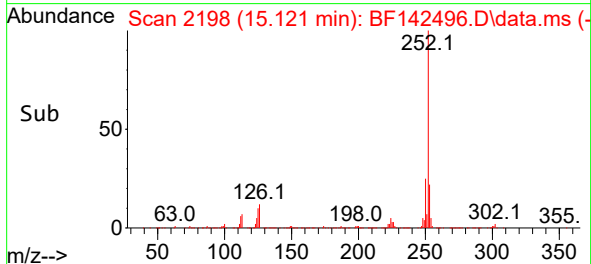
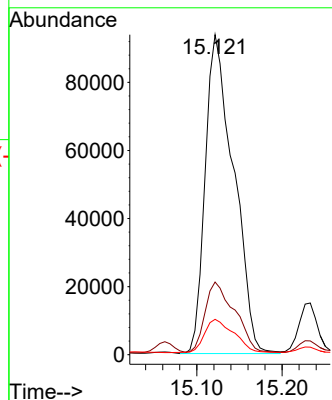
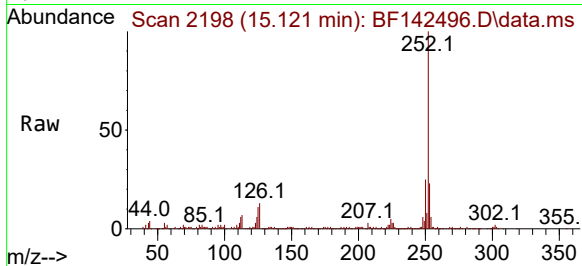




#89
Benzo(k)fluoranthene
Concen: 18.127 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

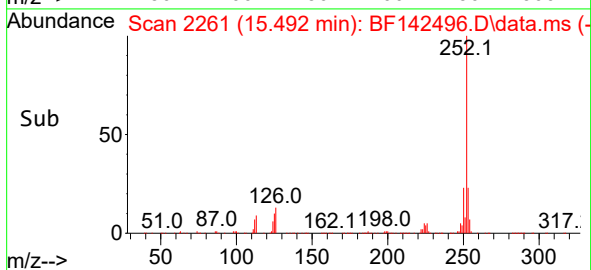
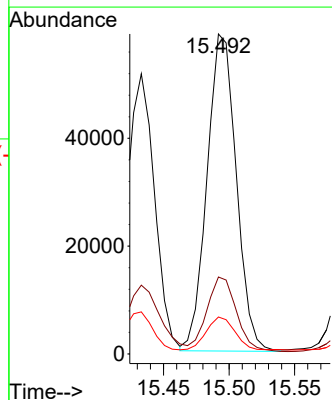
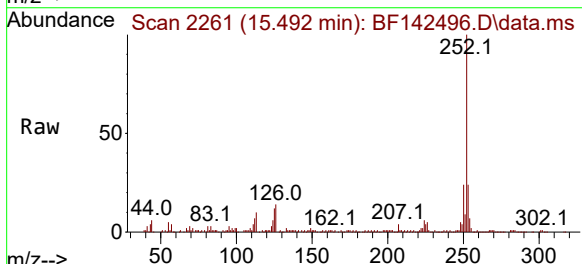
Instrument :
BNA_F
ClientSampleId :
SS-910

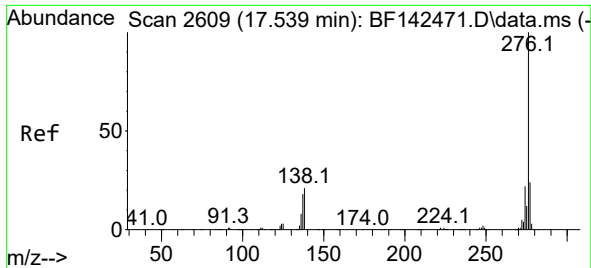
Tgt Ion:252 Resp: 217213
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 11.0 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 7.572 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

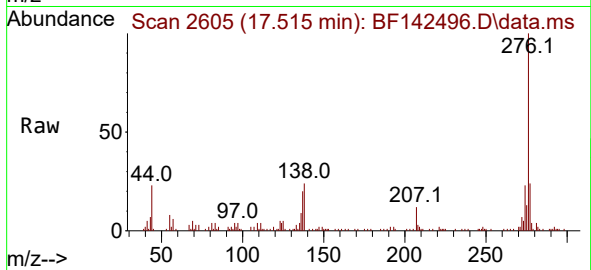
Tgt Ion:252 Resp: 91312
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 11.5 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.365 ng
 RT: 17.515 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF142496.D
 Acq: 21 May 2025 19:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-910



Tgt Ion:	276	Resp:	44301
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.2	28.8
138	23.9	16.8	25.2

