

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142460.D
 Acq On : 19 May 2025 19:25
 Operator : RC/JU
 Sample : Q2062-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 02:22:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

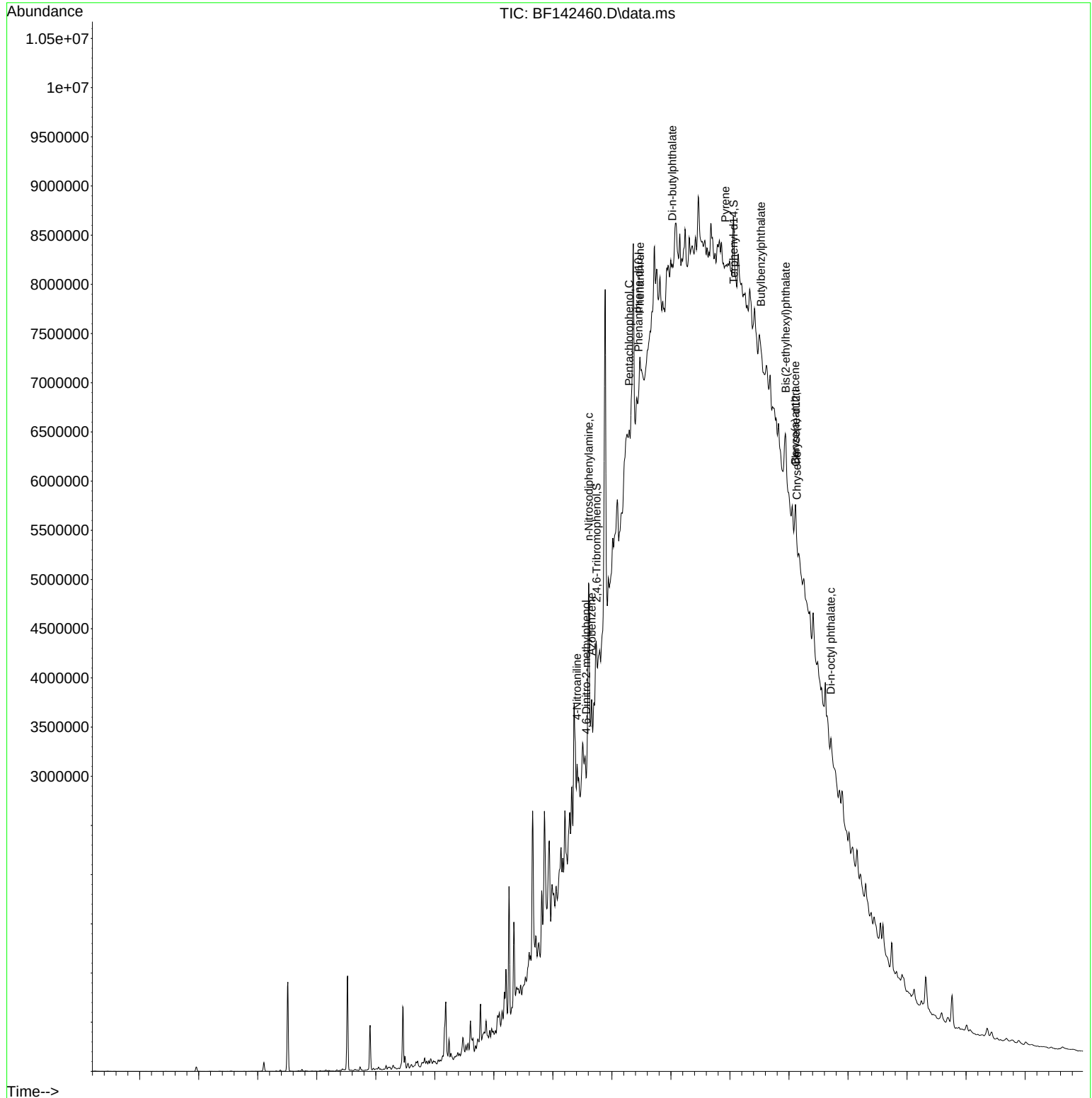
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	95962	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	355984	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	153814	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	175322	20.000	ng	# 0.02
76) Chrysene-d12	14.116	240	150947	20.000	ng	# 0.05
86) Perylene-d12	15.592	264	123293	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	345356	61.436	ng	0.00
7) Phenol-d6	6.522	99	450858	65.210	ng	0.00
23) Nitrobenzene-d5	7.457	82	266915	45.728	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	117414	79.064	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	568243	52.677	ng	0.00
79) Terphenyl-d14	13.063	244	389411	38.184	ng	0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	40263	9.415	ng	# 77
25) Isophorone	7.457	82	257456	23.292	ng	# 63
26) 2-Nitrophenol	7.798	139	749	4.346	ng	# 1
32) Benzoic acid	7.969	122	1657	6.583	ng	# 47
35) Caprolactam	8.604	113	8223	5.972	ng	# 1
51) 2,6-Dinitrotoluene	9.710	165	6846	3.703	ng	# 34
53) 3-Nitroaniline	9.898	138	10239	4.722	ng	# 21
54) 2,4-Dinitrophenol	9.981	184	356	7.995	ng	# 1
56) 4-Nitrophenol	10.069	139	4159	2.549	ng	# 1
62) 4-Nitroaniline	10.410	138	22955	13.358	ng	85
63) Azobenzene	10.657	77	62652	6.647	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.563	198	463	7.667	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	37088	6.357	ng	# 59
70) Pentachlorophenol	11.292	266	9569	8.322	ng	# 30
71) Phenanthrene	11.475	178	25395	2.763	ng	# 1
74) Di-n-butylphthalate	12.022	149	55227	6.200	ng	# 35
78) Pyrene	12.922	202	48958	3.644	ng	# 35
80) Butylbenzylphthalate	13.527	149	1577	4.031	ng	# 43
81) Benzo(a)anthracene	14.104	228	24749	2.532	ng	# 40
83) Chrysene	14.133	228	28826	3.168	ng	# 48
84) Bis(2-ethylhexyl)phtha...	13.945	149	7630	5.599	ng	# 68
85) Di-n-octyl phthalate	14.710	149	6592	8.439	ng	# 73
88) Benzo(b)fluoranthene	15.151	252	43055	5.766	ng	# 1
89) Benzo(k)fluoranthene	15.151	252	43055	6.301	ng	# 1
90) Benzo(a)pyrene	15.527	252	18910	2.826	ng	# 1

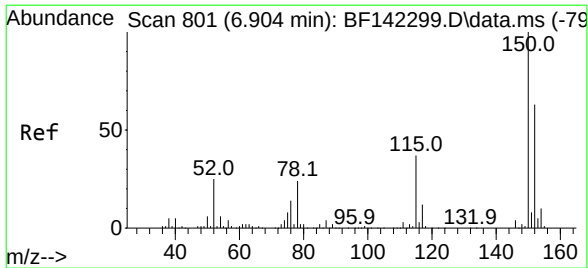
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
Data File : BF142460.D
Acq On : 19 May 2025 19:25
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

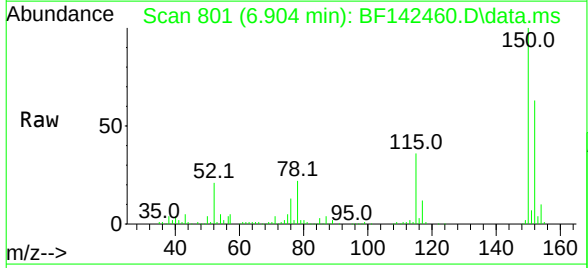
Quant Time: May 20 02:22:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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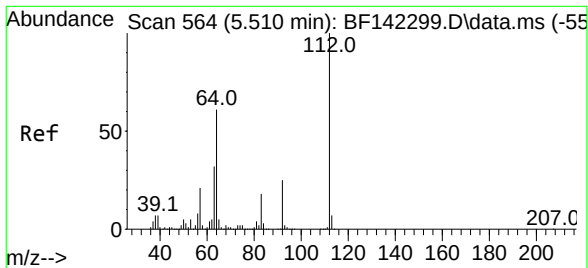
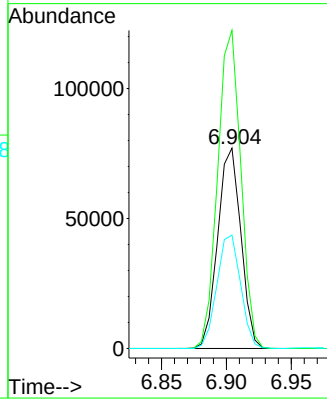
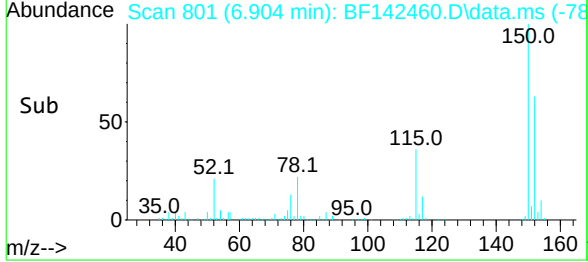


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

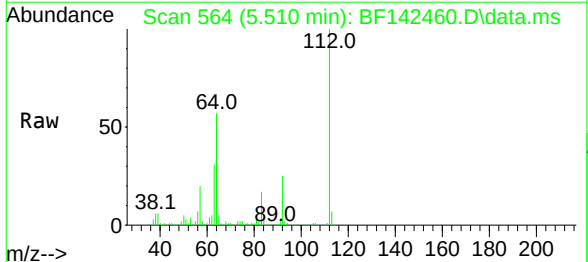
Instrument :
BNA_F
ClientSampleId :



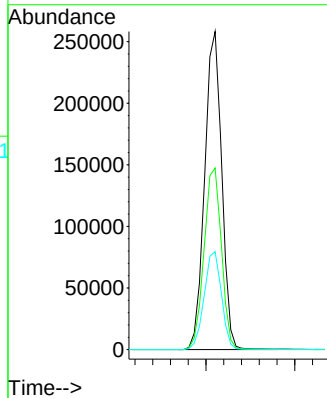
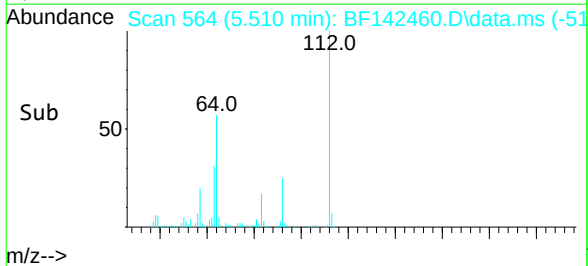
Tgt Ion:152 Resp: 95962
Ion Ratio Lower Upper
152 100
150 158.7 126.6 190.0
115 56.6 47.3 70.9

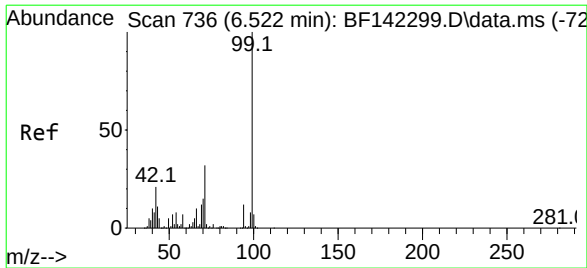


#5
2-Fluorophenol
Concen: 61.436 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25



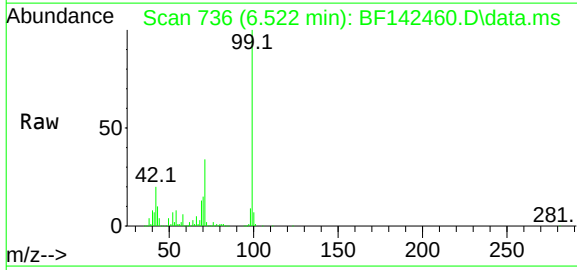
Tgt Ion:112 Resp: 345356
Ion Ratio Lower Upper
112 100
64 57.1 48.9 73.3
63 30.8 25.6 38.4



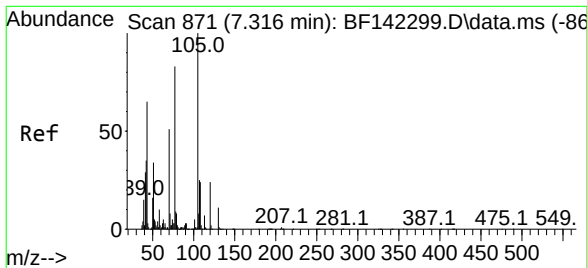
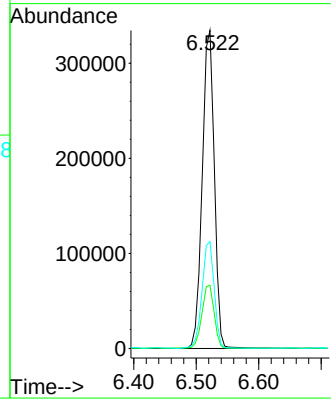
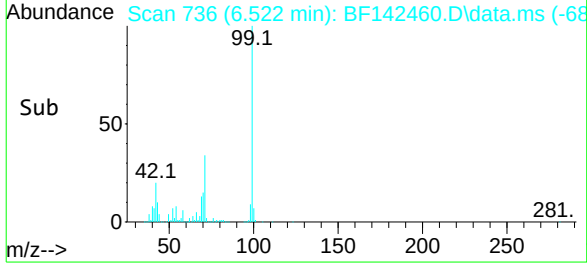


#7
Phenol-d6
Concen: 65.210 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :

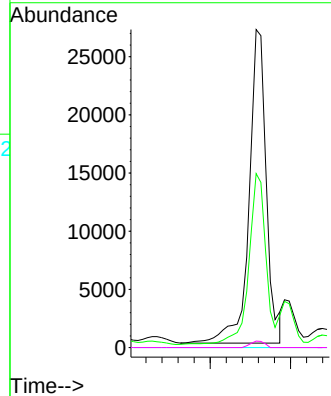
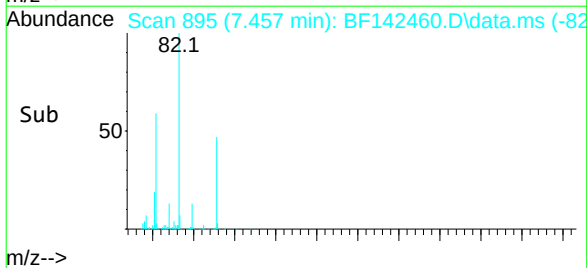
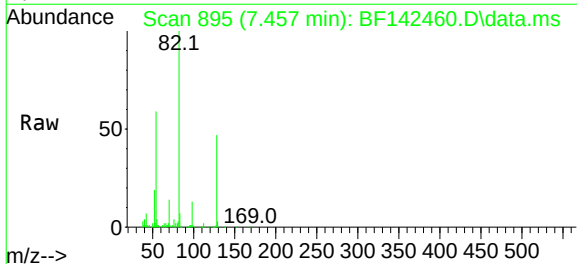


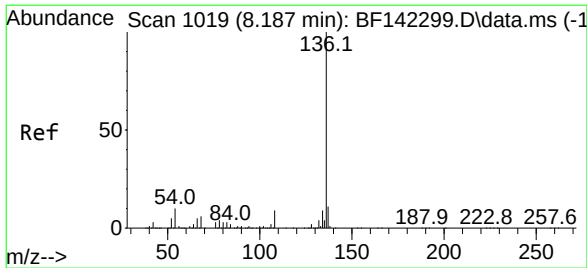
Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.0	25.4
71	33.6	25.8	38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.415 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

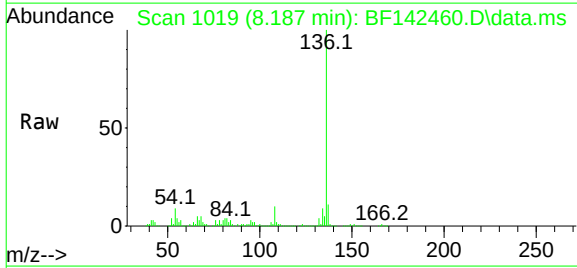
Tgt Ion	Ratio	Lower	Upper
70	100		
42	54.7	54.8	82.2#
101	0.0	7.7	11.5#
130	2.0	17.4	26.2#



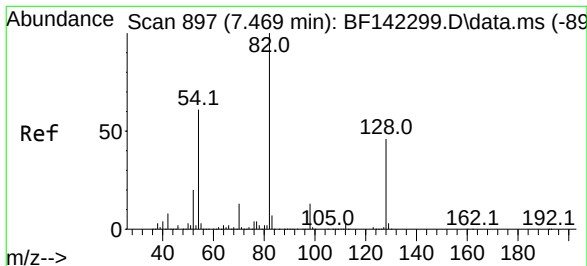
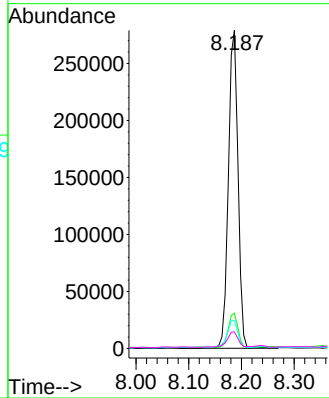
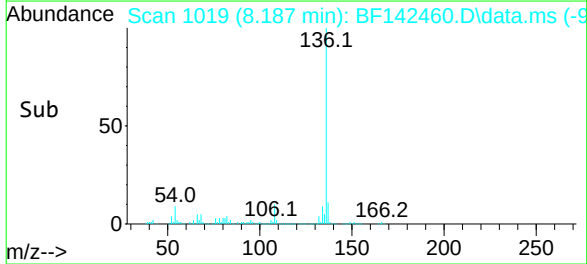


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

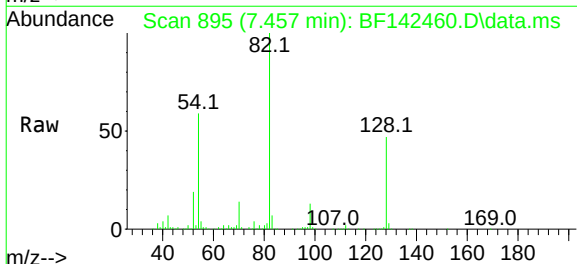
Instrument :
BNA_F
ClientSampleId :



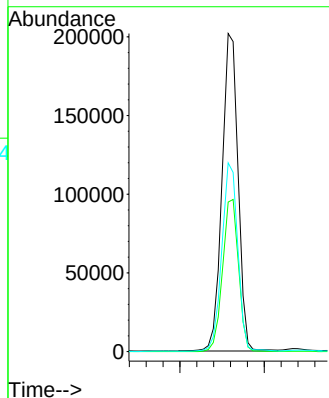
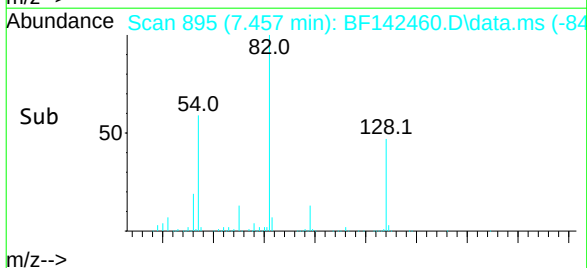
Tgt Ion:	136	Resp:	355984
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.7	11.5
68	5.2	4.9	7.3

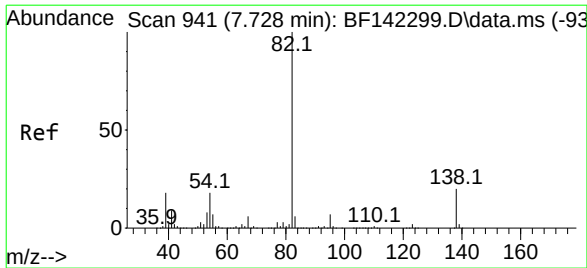


#23
Nitrobenzene-d5
Concen: 45.728 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25



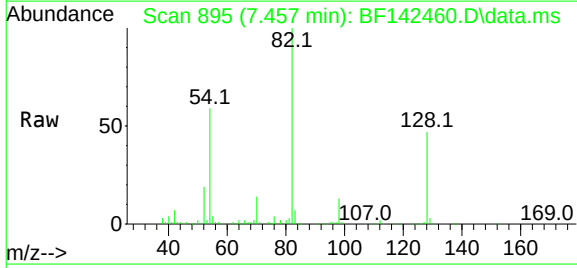
Tgt Ion:	82	Resp:	266915
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	59.3	48.6	73.0



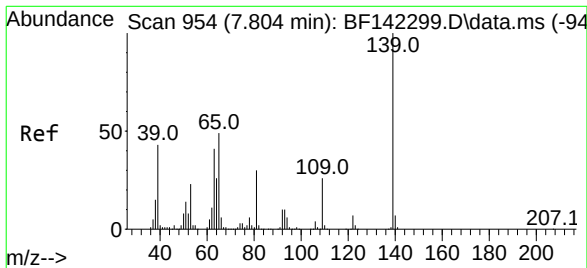
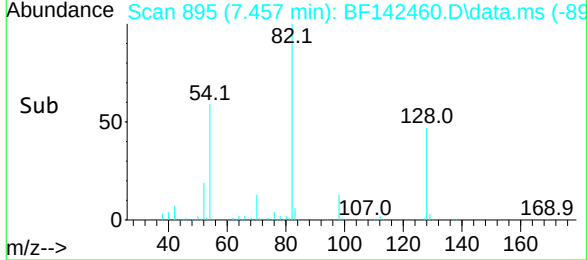
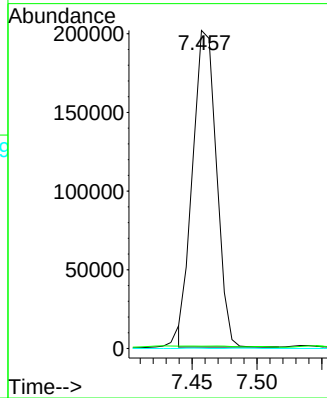


#25
Isophorone
Concen: 23.292 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :

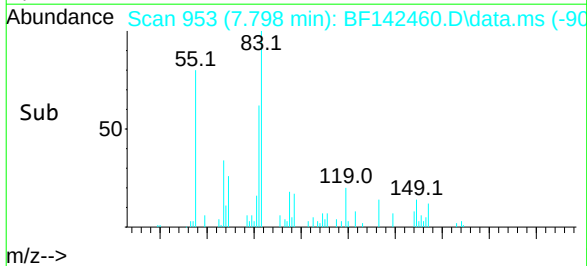
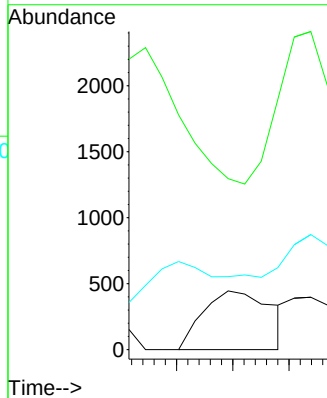
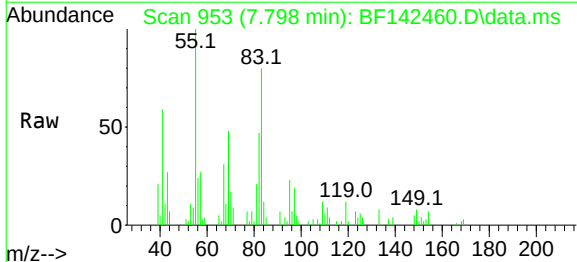


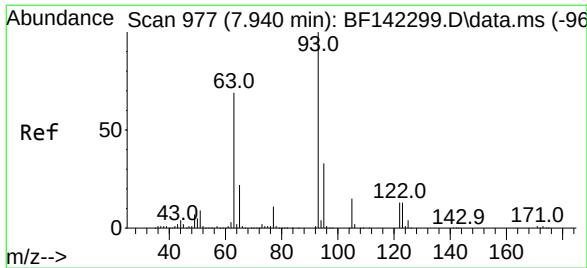
Tgt Ion: 82 Resp: 257456
Ion Ratio Lower Upper
82 100
95 0.7 5.8 8.8#
138 0.1 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.346 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion: 139 Resp: 749
Ion Ratio Lower Upper
139 100
109 291.2 20.8 31.2#
65 124.3 38.9 58.3#

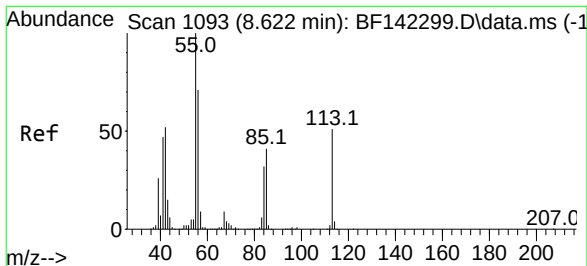
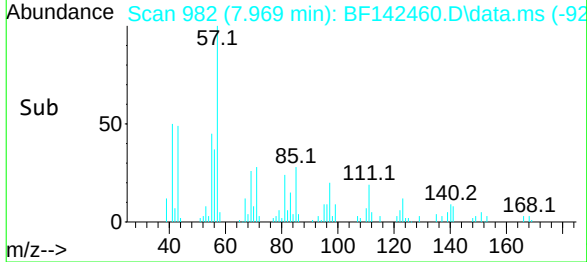
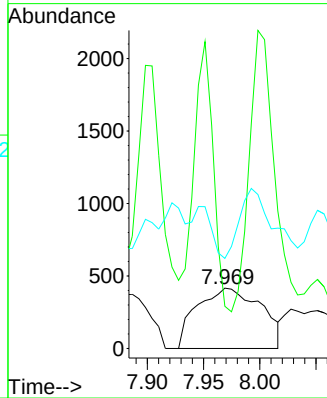
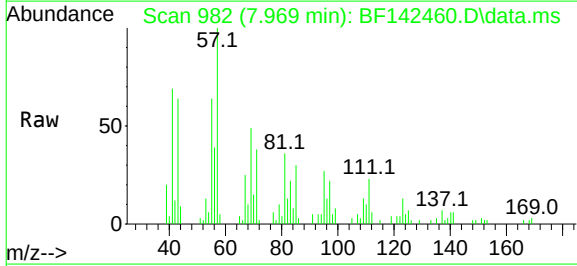




#32
Benzoic acid
Concen: 6.583 ng
RT: 7.969 min Scan# 98
Delta R.T. 0.029 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

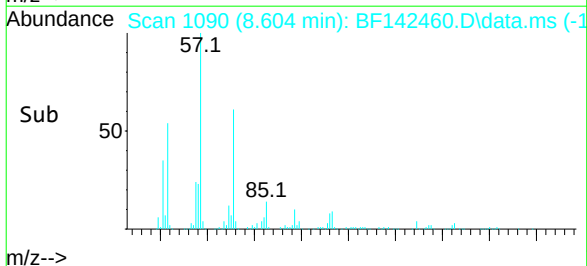
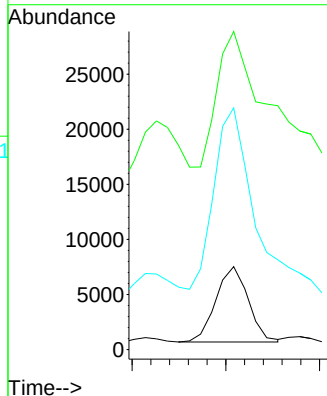
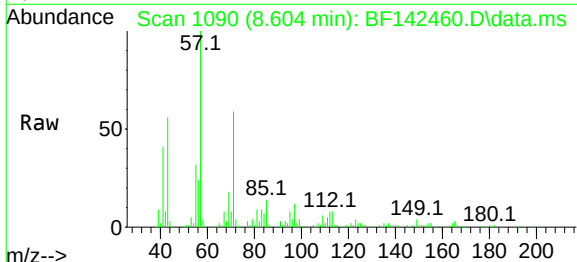
Instrument :
BNA_F
ClientSampleId :

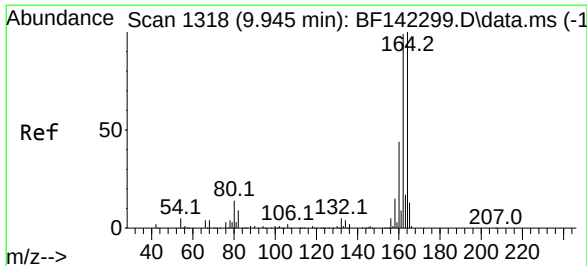
Tgt Ion:122 Resp: 1657
Ion Ratio Lower Upper
122 100
105 70.0 97.9 137.9#
77 149.3 67.7 107.7#



#35
Caprolactam
Concen: 5.972 ng
RT: 8.604 min Scan# 1090
Delta R.T. -0.018 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

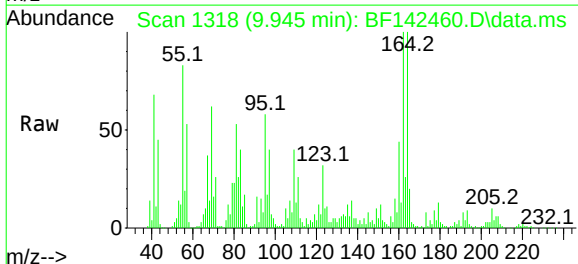
Tgt Ion:113 Resp: 8223
Ion Ratio Lower Upper
113 100
55 383.4 176.4 216.4#
56 291.3 120.3 160.3#



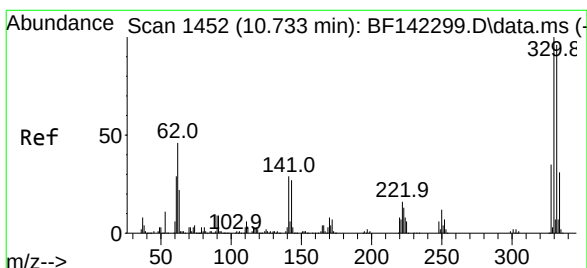
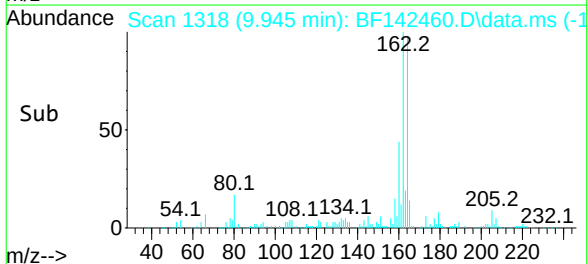
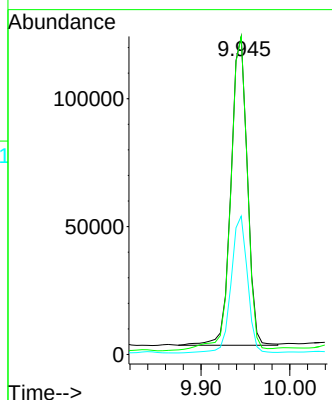


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :

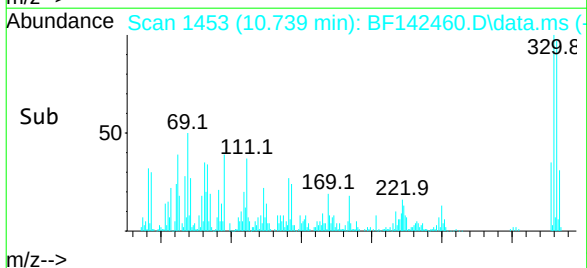
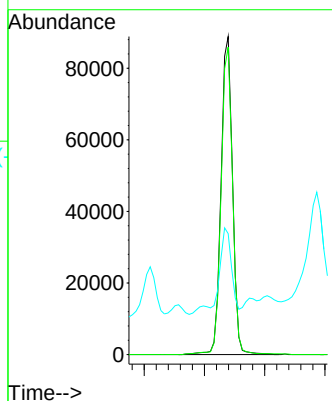
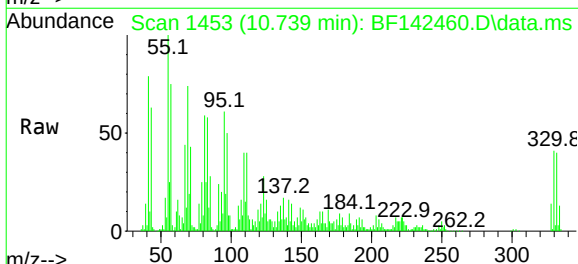


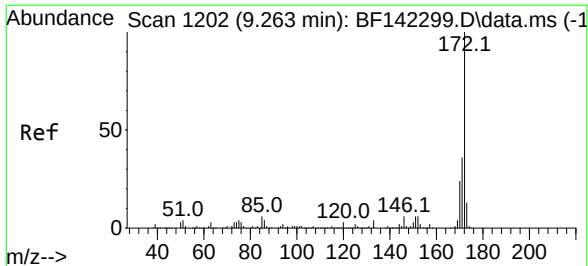
Tgt Ion:164 Resp: 153814
Ion Ratio Lower Upper
164 100
162 100.1 79.2 118.8
160 43.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 79.064 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:330 Resp: 117414
Ion Ratio Lower Upper
330 100
332 96.9 76.8 115.2
141 23.7 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 52.677 ng

RT: 9.257 min Scan# 12

Delta R.T. -0.006 min

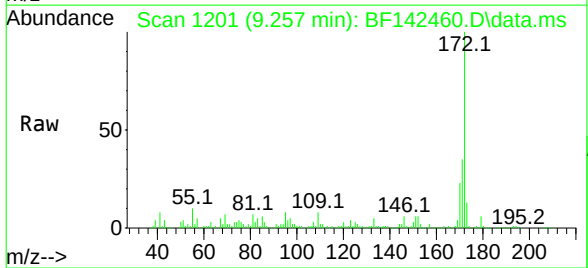
Lab File: BF142460.D

Acq: 19 May 2025 19:25

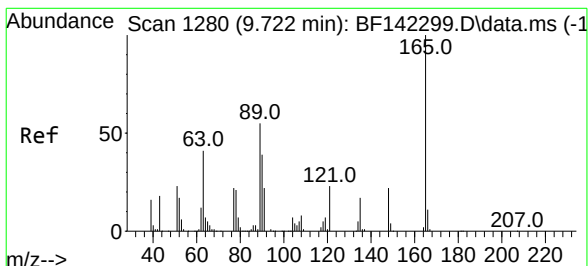
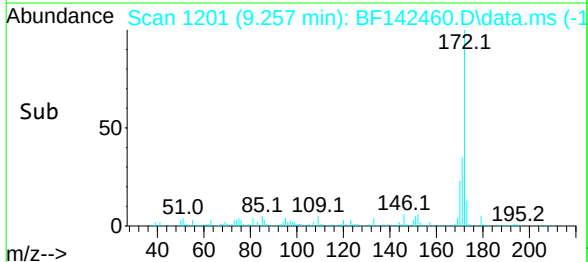
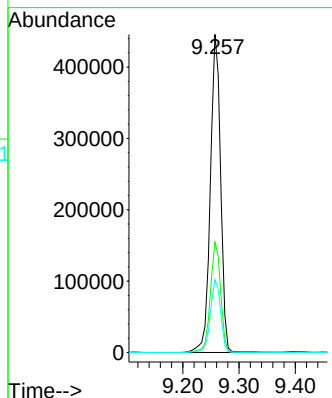
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	172	Resp:	568243
Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	22.9	19.0	28.4



#51

2,6-Dinitrotoluene

Concen: 3.703 ng

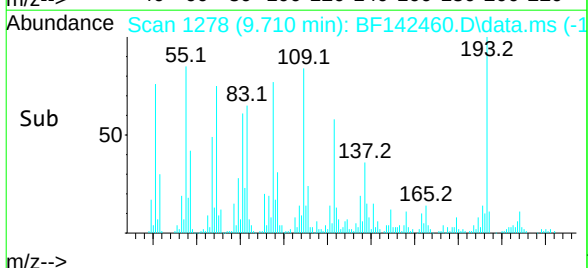
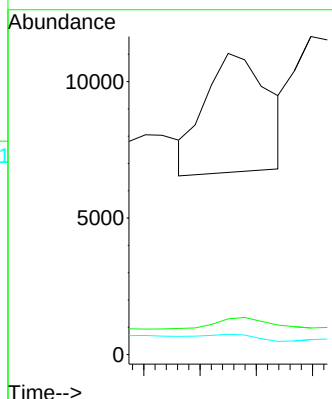
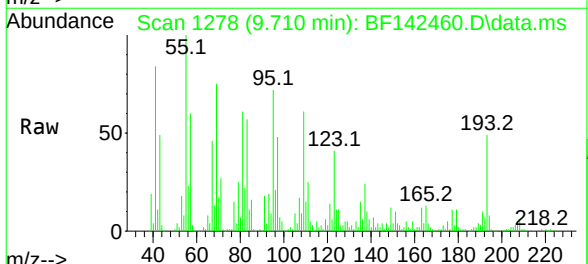
RT: 9.710 min Scan# 1278

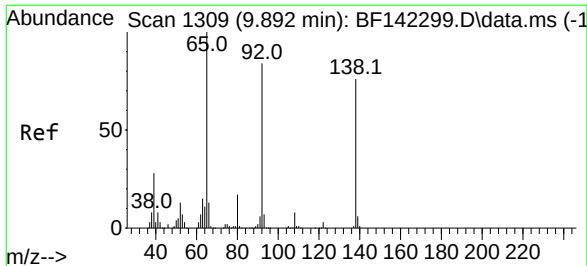
Delta R.T. -0.012 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

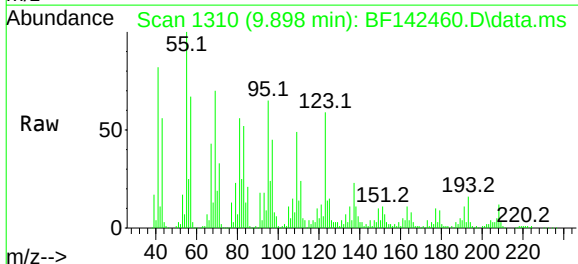
Tgt Ion:	165	Resp:	6846
Ion	Ratio	Lower	Upper
165	100		
63	11.9	49.5	74.3#
89	6.7	44.6	66.8#



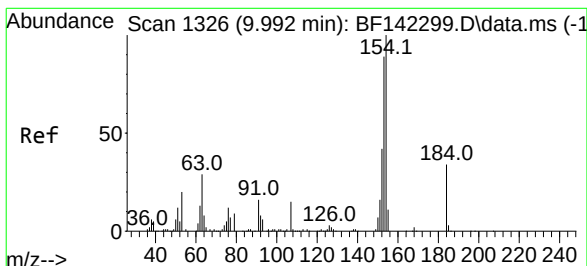
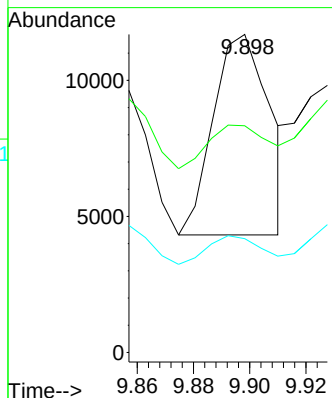
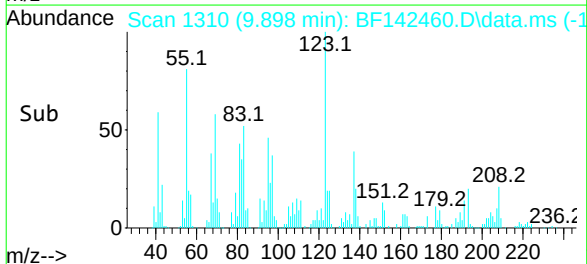


#53
3-Nitroaniline
Concen: 4.722 ng
RT: 9.898 min Scan# 1309
Delta R.T. 0.006 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :

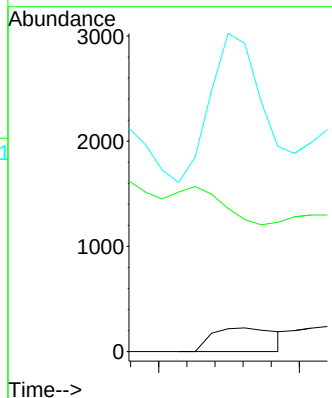
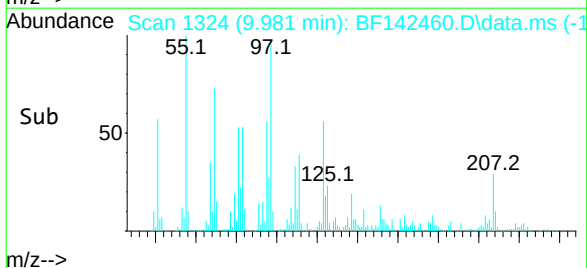
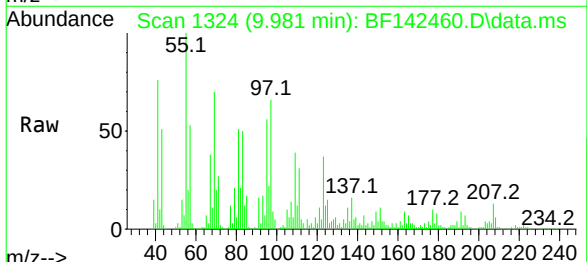


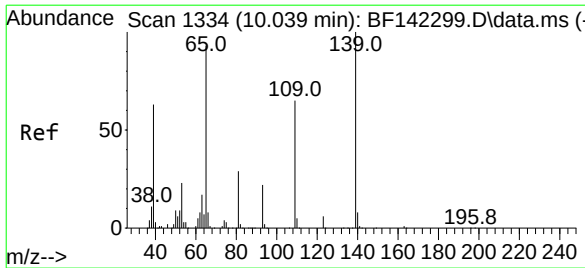
Tgt Ion:138 Resp: 10239
Ion Ratio Lower Upper
138 100
108 71.3 8.7 13.1#
92 35.8 89.5 134.3#



#54
2,4-Dinitrophenol
Concen: 7.995 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.011 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

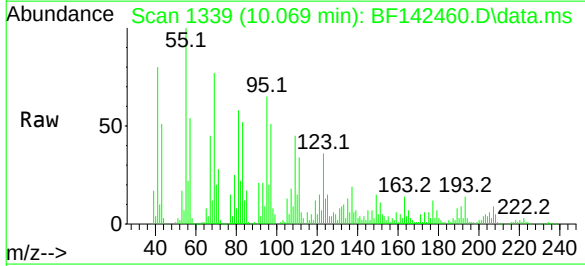
Tgt Ion:184 Resp: 356
Ion Ratio Lower Upper
184 100
63 557.8 70.6 105.8#
154 1302.7 257.2 385.8#



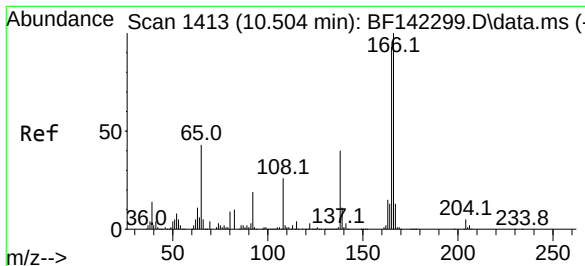
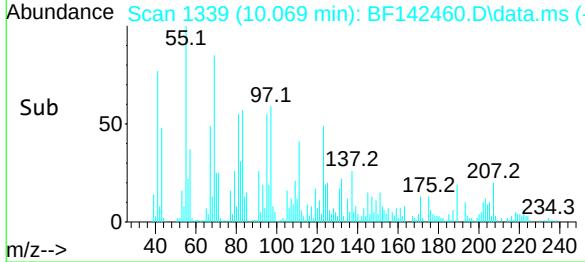
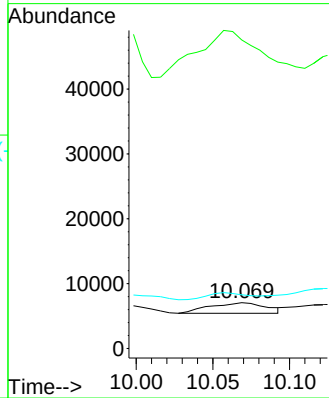


#56
4-Nitrophenol
Concen: 2.549 ng
RT: 10.069 min Scan# 1339
Delta R.T. 0.029 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :

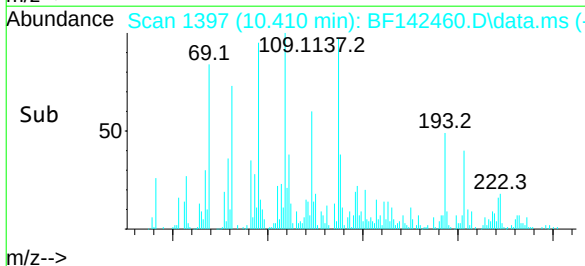
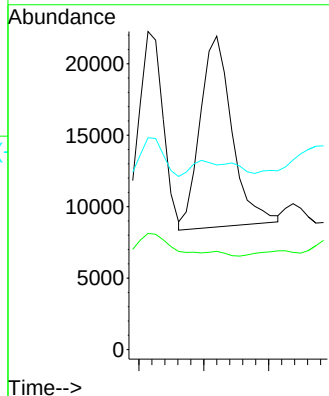
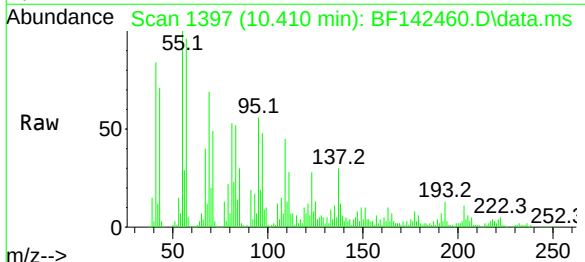


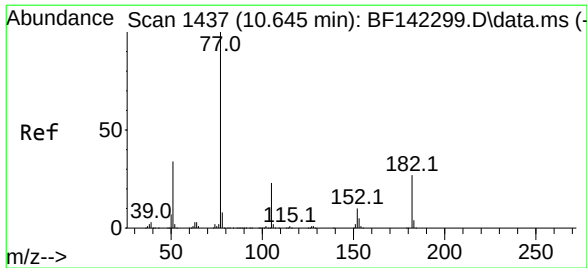
Tgt Ion:139 Resp: 4159
Ion Ratio Lower Upper
139 100
109 673.7 45.3 85.3#
65 117.2 73.9 113.9#



#62
4-Nitroaniline
Concen: 13.358 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.094 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:138 Resp: 22955
Ion Ratio Lower Upper
138 100
92 31.3 27.3 67.3
108 58.9 45.1 85.1





#63

Azobenzene

Concen: 6.647 ng

RT: 10.657 min Scan# 14

Delta R.T. 0.012 min

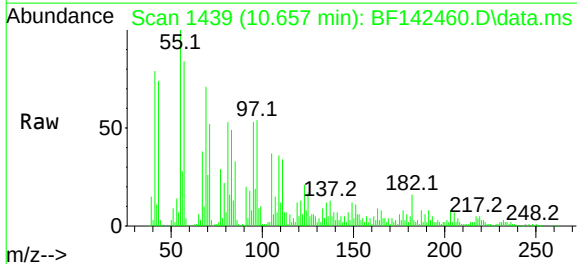
Lab File: BF142460.D

Acq: 19 May 2025 19:25

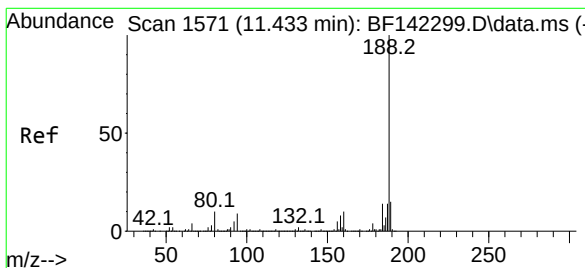
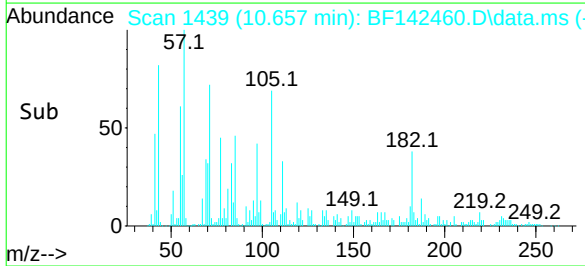
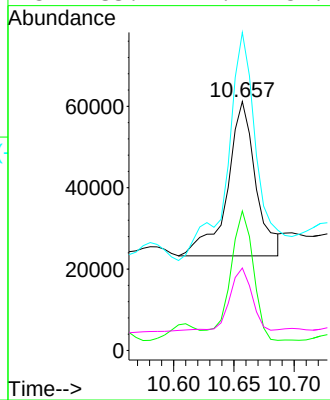
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	77	Resp:	62652
Ion Ratio	100	Lower	Upper
182	56.0	6.9	46.9#
105	127.7	2.7	42.7#
51	33.1	14.7	54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

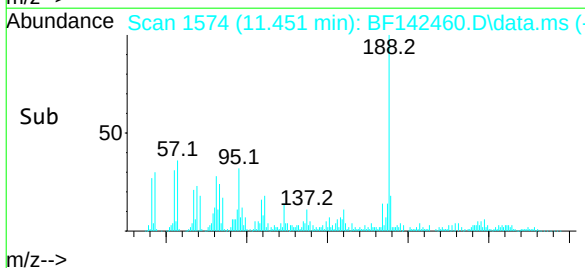
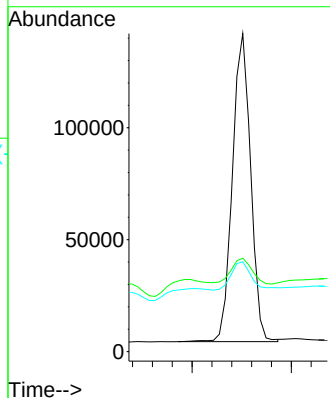
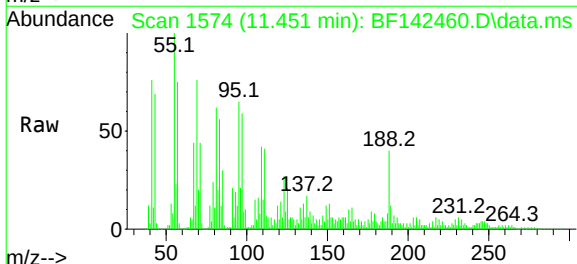
RT: 11.451 min Scan# 1574

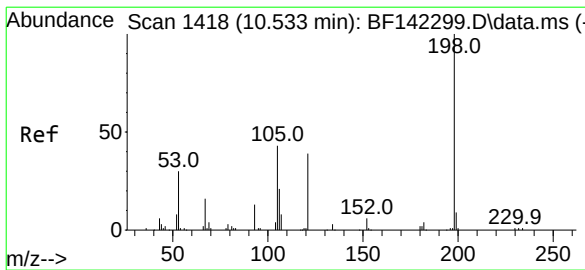
Delta R.T. 0.018 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	188	Resp:	175322
Ion Ratio	100	Lower	Upper
94	29.4	7.5	11.3#
80	28.2	7.9	11.9#

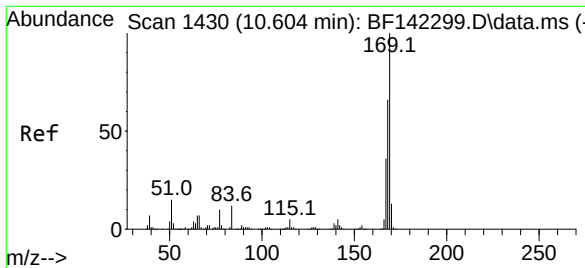
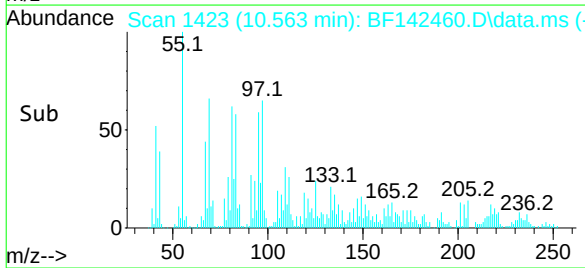
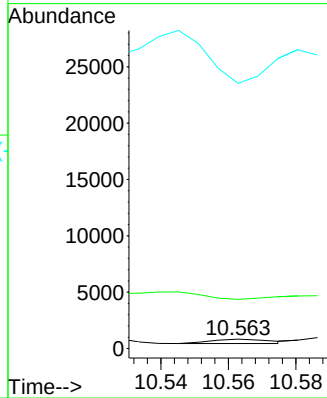
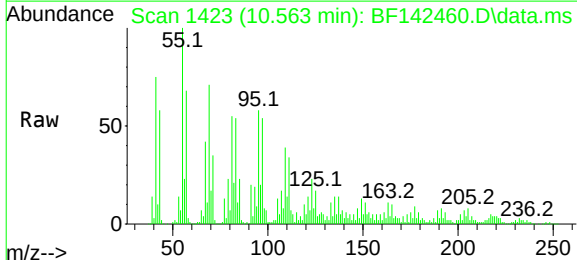




#65
4,6-Dinitro-2-methylphenol
Concen: 7.667 ng
RT: 10.563 min Scan# 1418
Delta R.T. 0.030 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

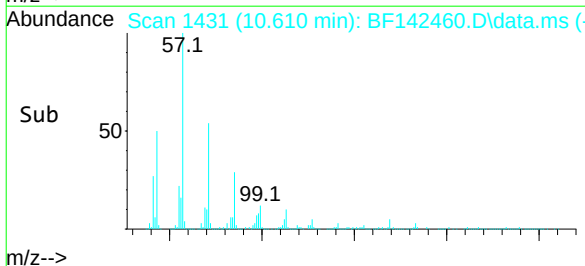
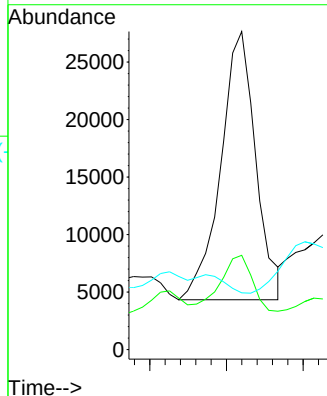
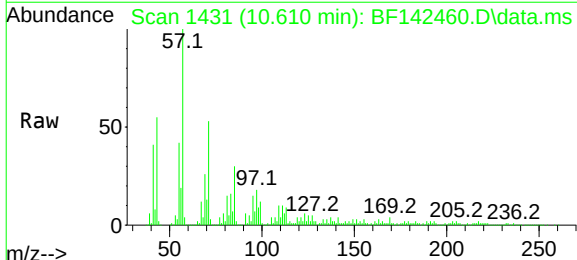
Instrument :
BNA_F
ClientSampleId :

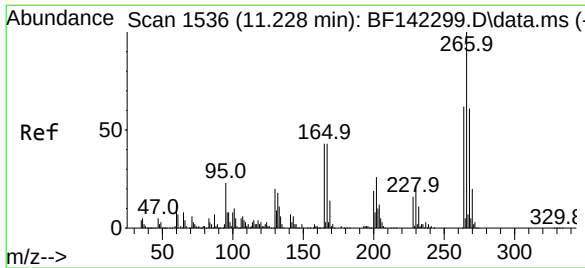
Tgt Ion:	198	Resp:	463
Ion	Ratio	Lower	Upper
198	100		
51	525.7	32.9	72.9#
105	2840.0	23.7	63.7#



#66
n-Nitrosodiphenylamine
Concen: 6.357 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:	169	Resp:	37088
Ion	Ratio	Lower	Upper
169	100		
168	29.6	53.2	79.8#
167	17.8	28.9	43.3#





#70

Pentachlorophenol

Concen: 8.322 ng

RT: 11.292 min Scan# 1536

Delta R.T. 0.065 min

Lab File: BF142460.D

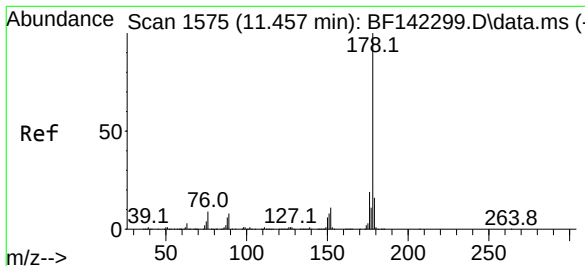
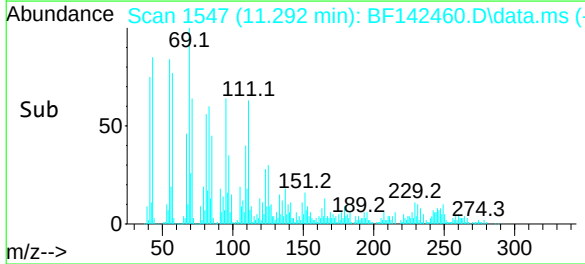
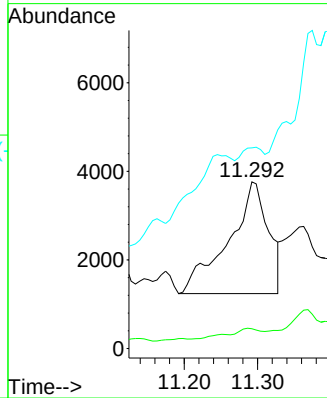
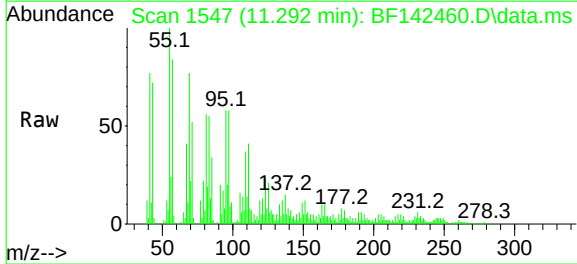
Acq: 19 May 2025 19:25

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	266	Resp:	9569
Ion Ratio	Lower	Upper	
266	100		
268	11.9	48.7	73.1#
264	120.4	49.8	74.6#



#71

Phenanthrene

Concen: 2.763 ng

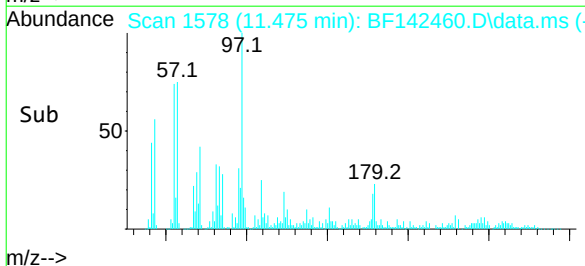
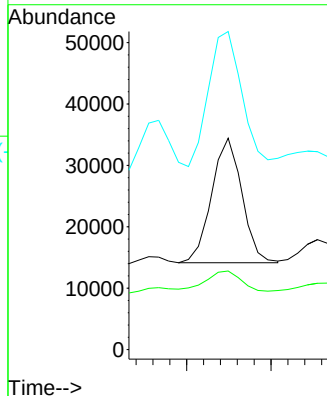
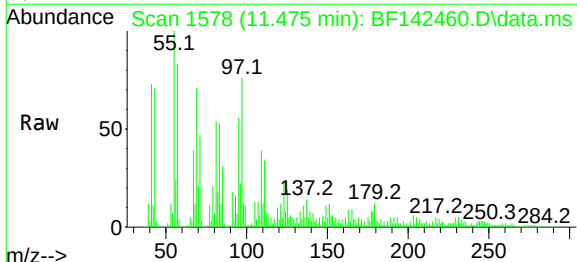
RT: 11.475 min Scan# 1578

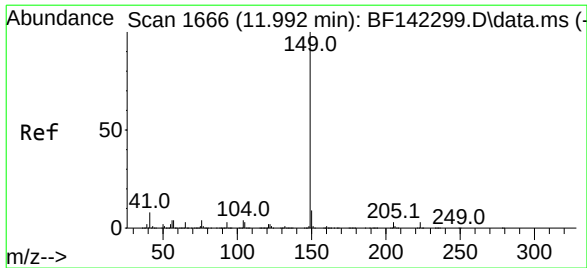
Delta R.T. 0.018 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	178	Resp:	25395
Ion Ratio	Lower	Upper	
178	100		
176	37.2	15.5	23.3#
179	150.5	12.6	18.8#





#74

Di-n-butylphthalate

Concen: 6.200 ng

RT: 12.022 min Scan# 16

Delta R.T. 0.029 min

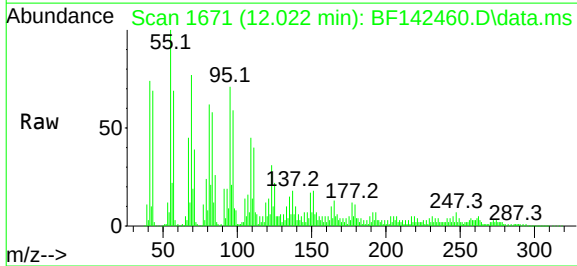
Lab File: BF142460.D

Acq: 19 May 2025 19:25

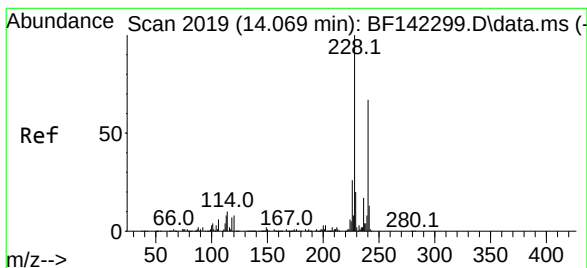
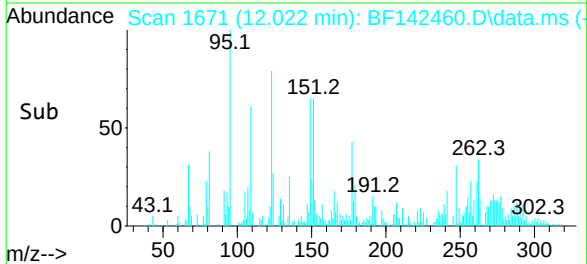
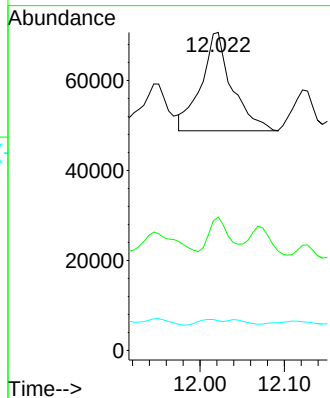
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	55227
Ion Ratio	Lower	Upper	
149	100		
150	42.0	7.5	11.3#
104	9.4	3.6	5.4#



#76

Chrysene-d12

Concen: 20.000 ng

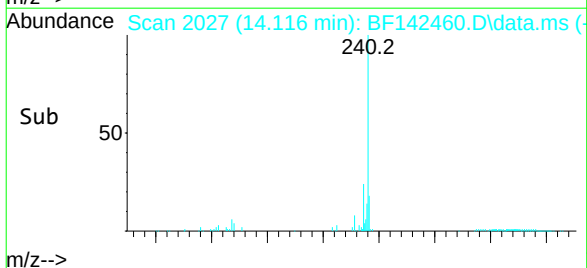
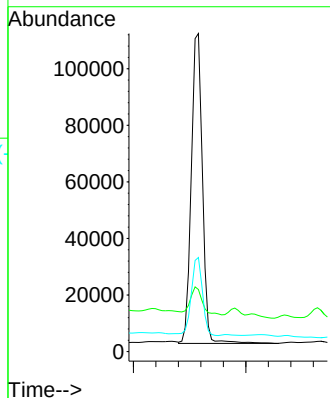
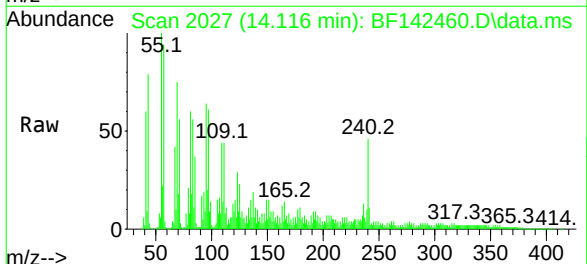
RT: 14.116 min Scan# 2027

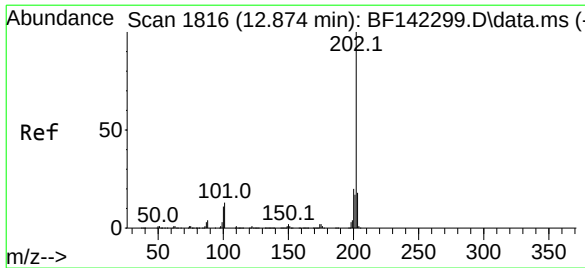
Delta R.T. 0.047 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	240	Resp:	150947
Ion Ratio	Lower	Upper	
240	100		
120	19.5	9.7	14.5#
236	29.6	20.0	30.0





#78

Pyrene

Concen: 3.644 ng

RT: 12.922 min Scan# 1816

Delta R.T. 0.047 min

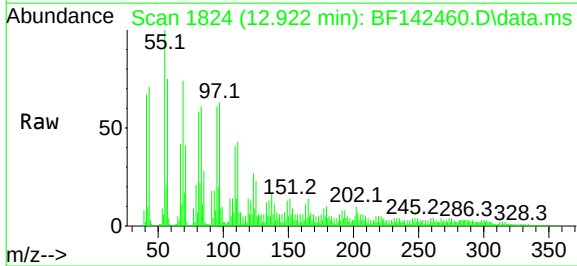
Lab File: BF142460.D

Acq: 19 May 2025 19:25

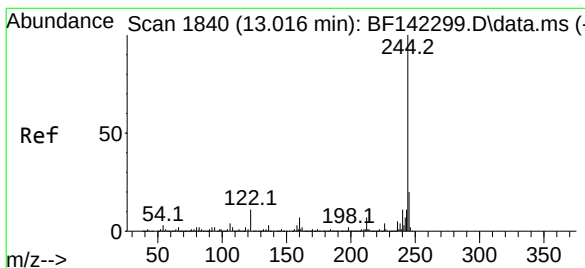
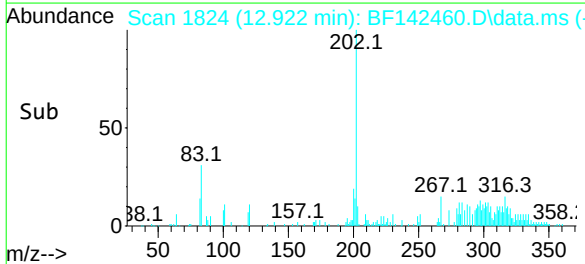
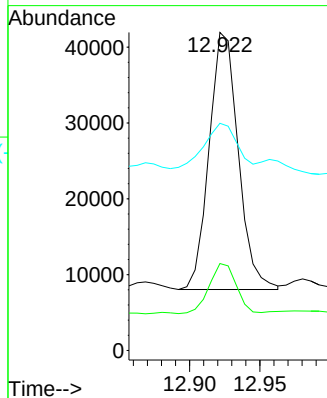
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	202	Resp:	48958
Ion Ratio	Lower	Upper	
202	100		
200	27.3	16.2	24.4#
203	71.4	14.3	21.5#



#79

Terphenyl-d14

Concen: 38.184 ng

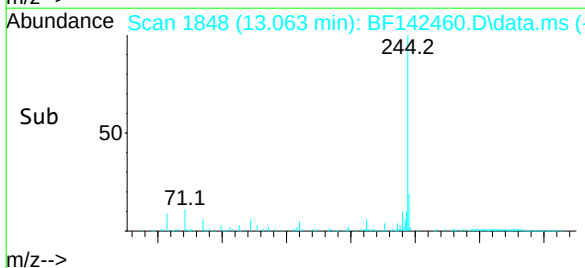
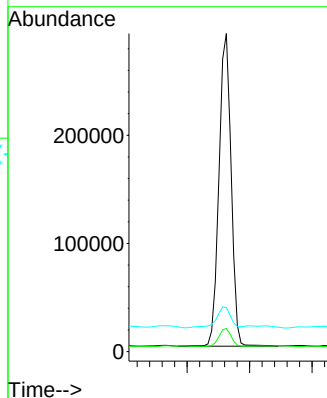
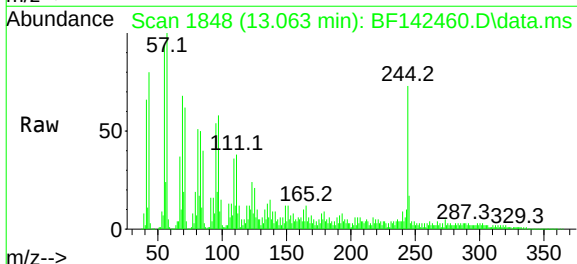
RT: 13.063 min Scan# 1848

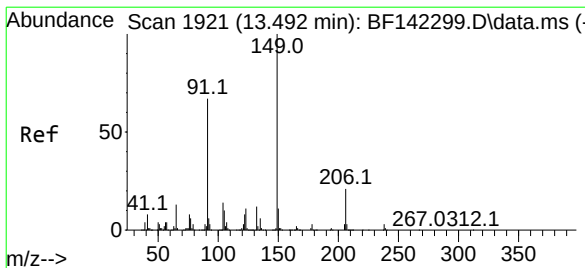
Delta R.T. 0.047 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	244	Resp:	389411
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.2
122	13.9	9.0	13.4#





#80

Butylbenzylphthalate

Concen: 4.031 ng

RT: 13.527 min Scan# 19

Delta R.T. 0.035 min

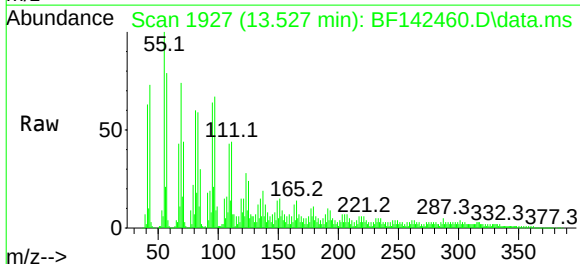
Lab File: BF142460.D

Acq: 19 May 2025 19:25

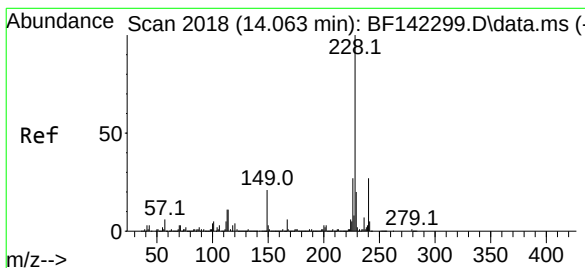
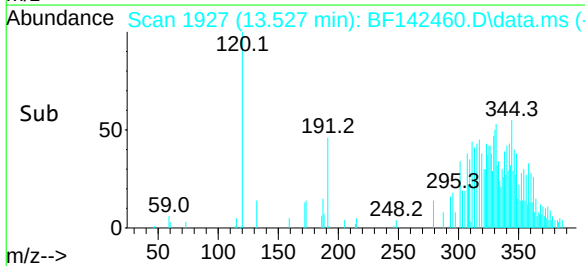
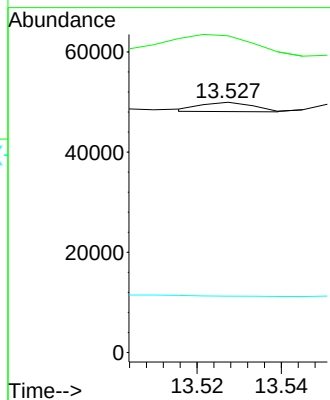
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	1577
Ion Ratio	Lower	Upper	
149	100		
91	126.6	53.8	80.6#
206	22.5	16.6	24.8



#81

Benzo(a)anthracene

Concen: 2.532 ng

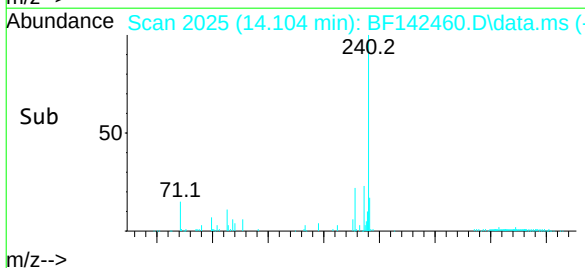
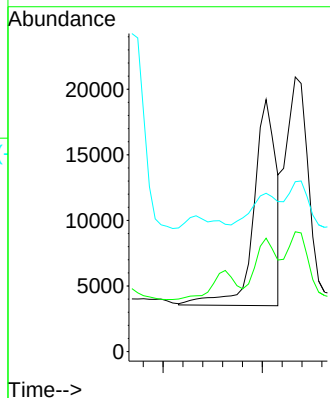
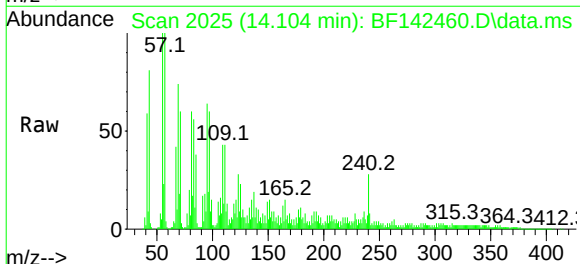
RT: 14.104 min Scan# 2025

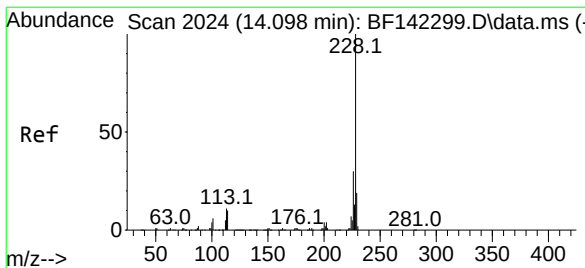
Delta R.T. 0.041 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	228	Resp:	24749
Ion Ratio	Lower	Upper	
228	100		
226	45.0	21.5	32.3#
229	62.8	15.9	23.9#





#83

Chrysene

Concen: 3.168 ng

RT: 14.133 min Scan# 20

Delta R.T. 0.035 min

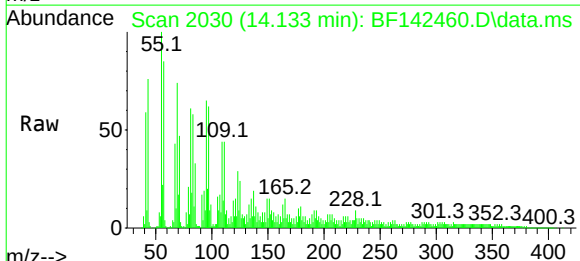
Lab File: BF142460.D

Acq: 19 May 2025 19:25

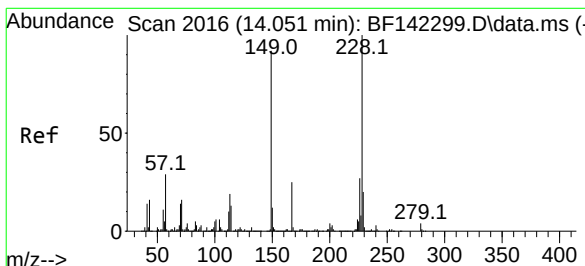
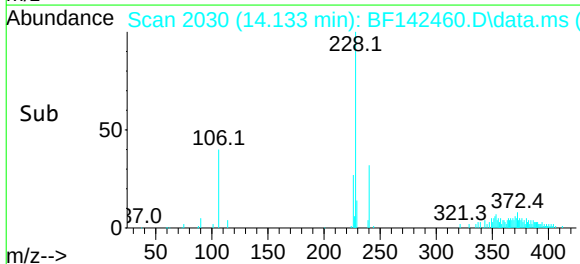
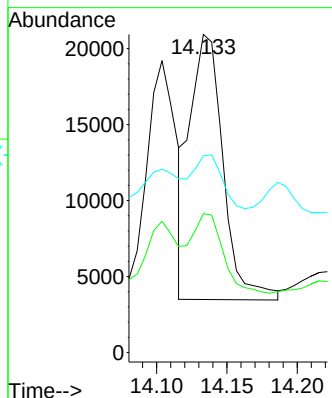
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	228	Resp:	28826
Ion Ratio	100	Lower	Upper
226	43.6	23.9	35.9#
229	61.9	15.4	23.2#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.599 ng

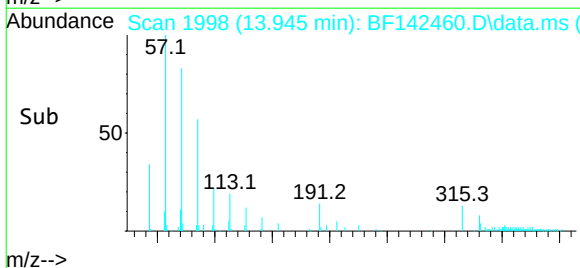
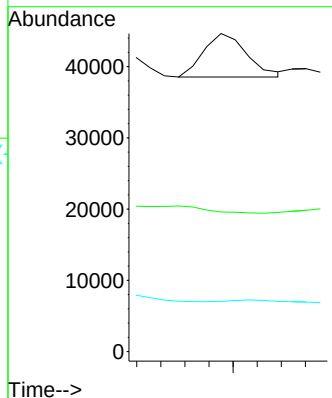
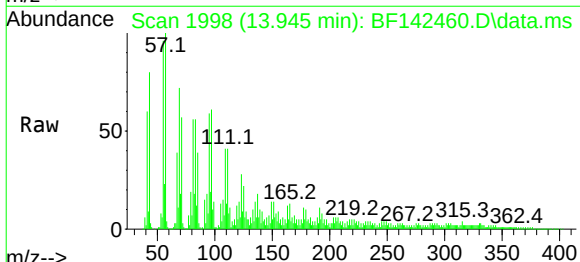
RT: 13.945 min Scan# 1998

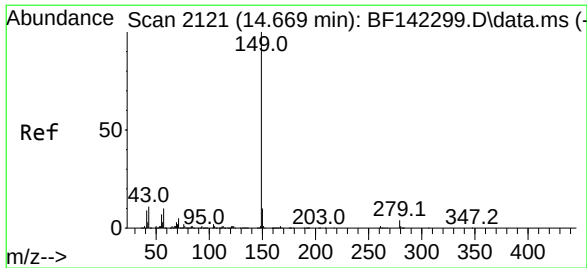
Delta R.T. -0.106 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	149	Resp:	7630
Ion Ratio	100	Lower	Upper
167	43.9	22.0	33.0#
279	15.8	3.0	4.6#





#85

Di-n-octyl phthalate

Concen: 8.439 ng

RT: 14.710 min Scan# 2121

Delta R.T. 0.041 min

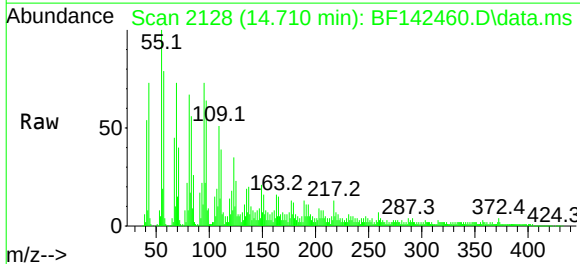
Lab File: BF142460.D

Acq: 19 May 2025 19:25

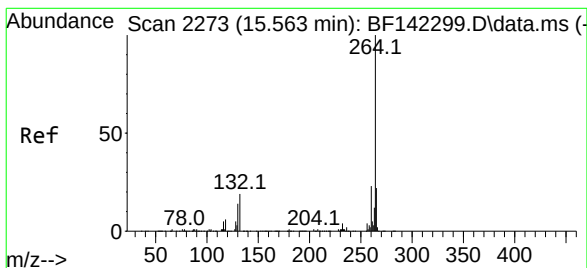
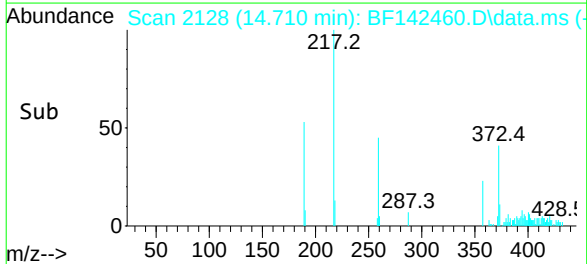
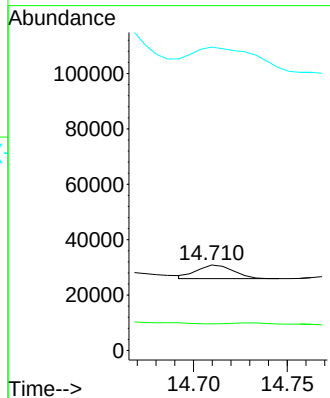
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	6592
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.1	1.7#
43	0.0	9.2	13.8#



#86

Perylene-d12

Concen: 20.000 ng

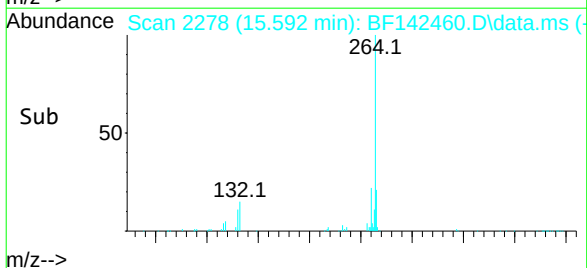
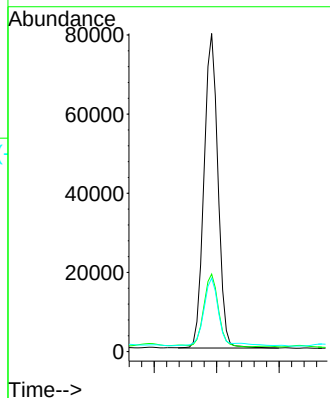
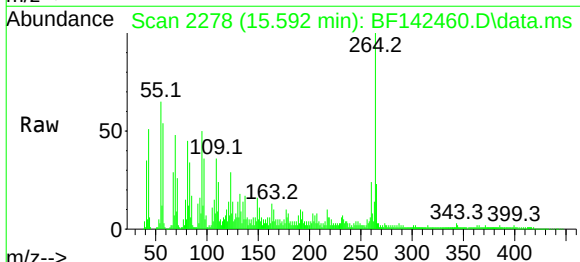
RT: 15.592 min Scan# 2278

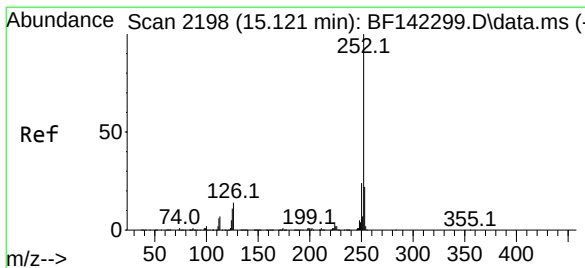
Delta R.T. 0.029 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

Tgt Ion:	264	Resp:	123293
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.6	27.8
265	23.1	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 5.766 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.029 min

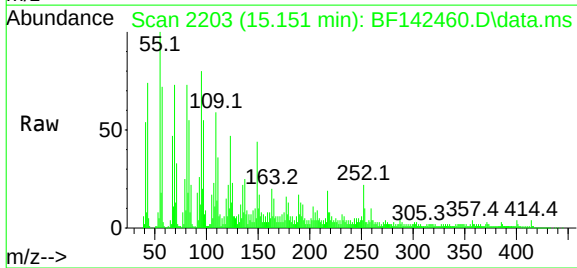
Lab File: BF142460.D

Acq: 19 May 2025 19:25

Instrument :

BNA_F

ClientSampleId :



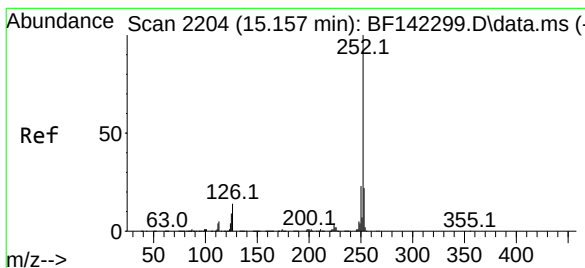
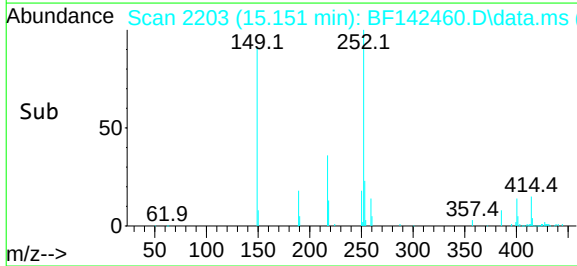
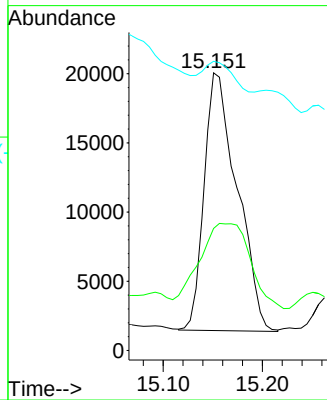
Tgt Ion:252 Resp: 43055

Ion	Ratio	Lower	Upper
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252	100		
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253	43.9	17.7	26.5#
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125	104.1	8.7	13.1#
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#89

Benzo(k)fluoranthene

Concen: 6.301 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF142460.D

Acq: 19 May 2025 19:25

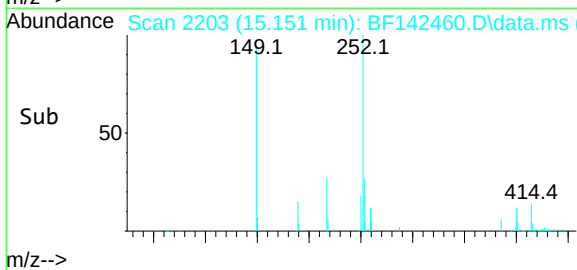
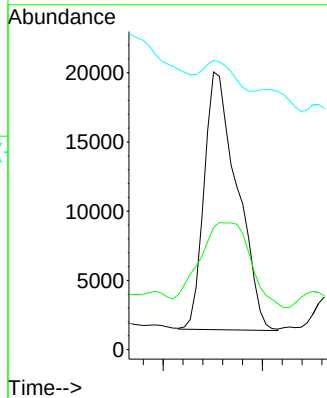
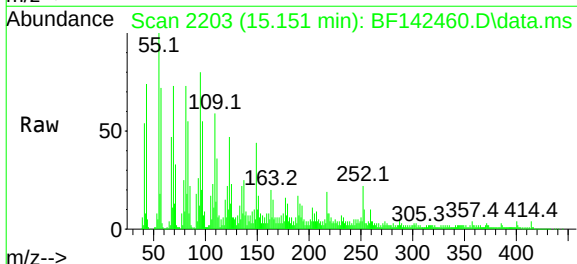
Tgt Ion:252 Resp: 43055

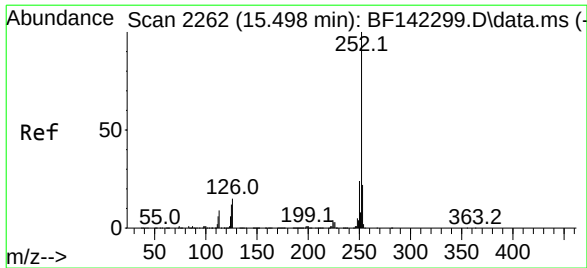
Ion	Ratio	Lower	Upper
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252	100		
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253	43.9	17.6	26.4#
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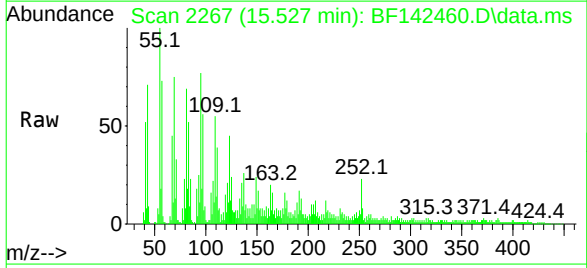
125	104.1	8.1	12.1#
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#90
Benzo(a)pyrene
Concen: 2.826 ng
RT: 15.527 min Scan# 2267
Delta R.T. 0.029 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:	252	Resp:	18910
Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.8	26.6#
125	103.9	9.4	14.0#

