

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126042.D
 Acq On : 4 Nov 2021 13:17
 Operator : JU/CG
 Sample : M4448-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

Quant Time: Nov 08 07:18:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

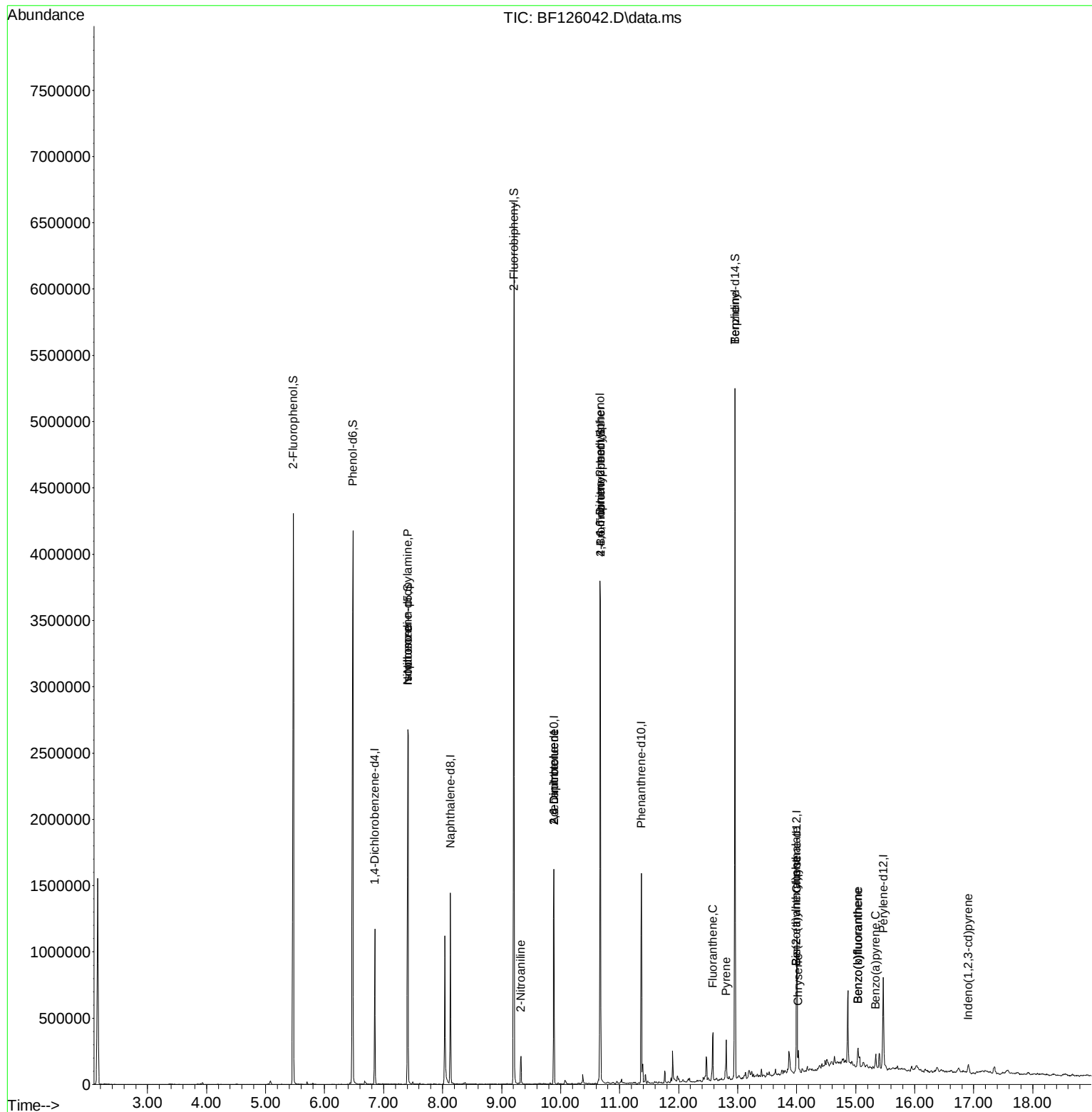
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	136488	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	511409	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	299007	20.00	ng	0.00
64) Phenanthrene-d10	11.368	188	529905	20.00	ng	# 0.00
76) Chrysene-d12	14.004	240	299079	20.00	ng	# 0.00
86) Perylene-d12	15.468	264	325086	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	958056	120.54	ng	0.00
7) Phenol-d6	6.481	99	1258529	112.33	ng	0.00
23) Nitrobenzene-d5	7.410	82	935142	86.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	421209	122.92	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1749876	79.09	ng	0.00
79) Terphenyl-d14	12.957	244	1600643	86.30	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	225	Below Cal	#	36
19) n-Nitroso-di-n-propyla...	7.410	70	132646	17.96	ng	# 63
25) Isophorone	7.410	82	929387	47.60	ng	# 59
48) 2-Nitroaniline	9.327	65	2803	3.29	ng	# 7
51) 2,6-Dinitrotoluene	9.886	165	38455	10.31	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	38455	9.85	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	1355	8.76	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	28763	4.48	ng	# 1
75) Fluoranthene	12.580	202	144738	4.52	ng	96
77) Benzidine	12.957	184	26509	2.65	ng	96
78) Pyrene	12.804	202	120476	5.02	ng	96
81) Benzo(a)anthracene	13.992	228	54349	2.65	ng	98
83) Chrysene	14.027	228	58425	3.06	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	35708	2.95	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.909	276	42930	2.23	ng	# 85
88) Benzo(b)fluoranthene	15.039	252	108290	5.12	ng	# 95
89) Benzo(k)fluoranthene	15.039	252	108290	5.28	ng	96
90) Benzo(a)pyrene	15.339	252	42165	2.53	ng	98

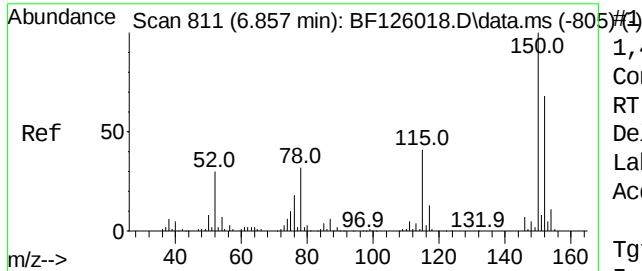
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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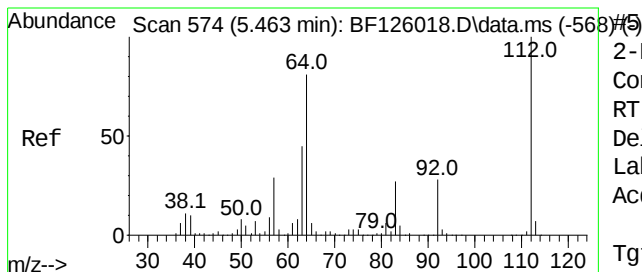
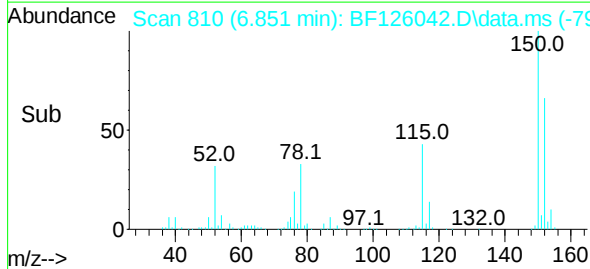
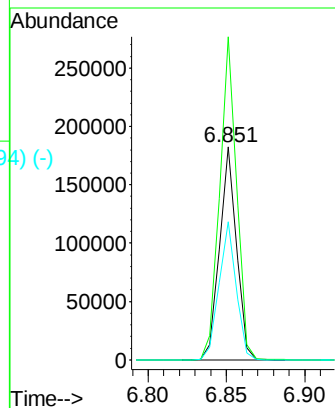
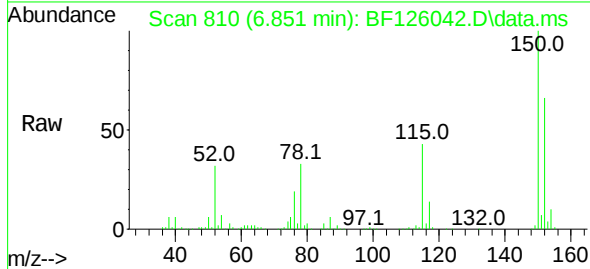




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.851 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

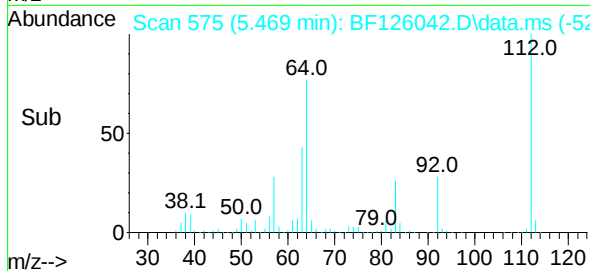
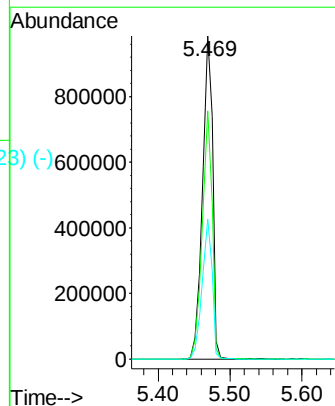
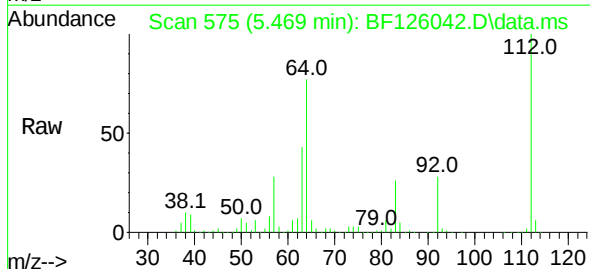
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

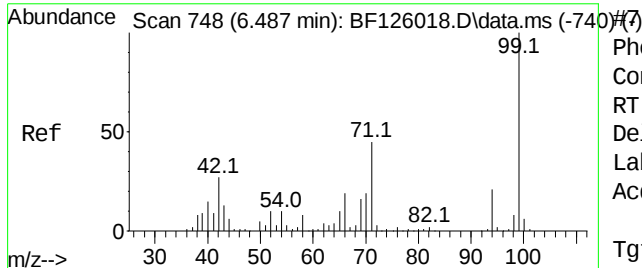
Tgt Ion:152 Resp: 136488
 Ion Ratio Lower Upper
 152 100
 150 151.7 117.6 176.4
 115 64.8 47.1 70.7



2-Fluorophenol
 Concen: 120.54 ng
 RT: 5.469 min Scan# 575
 Delta R.T. 0.006 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:112 Resp: 958056
 Ion Ratio Lower Upper
 112 100
 64 76.8 44.2 66.2#
 63 43.4 26.2 39.2#





Phenol-d6

Concen: 112.33 ng

RT: 6.481 min Scan#

Delta R.T. -0.006 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Instrument :

BNA_F

ClientSampleId :

VNJ-224

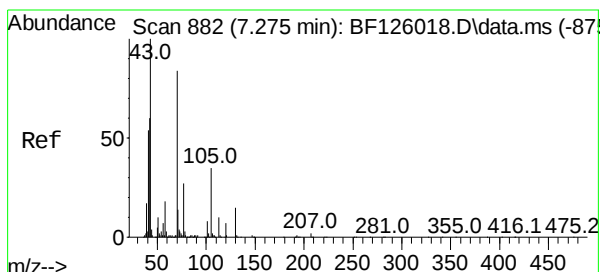
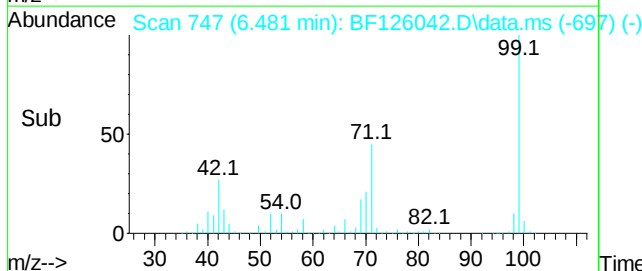
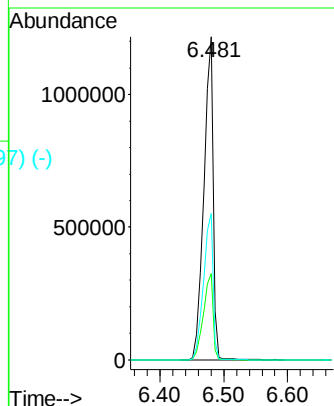
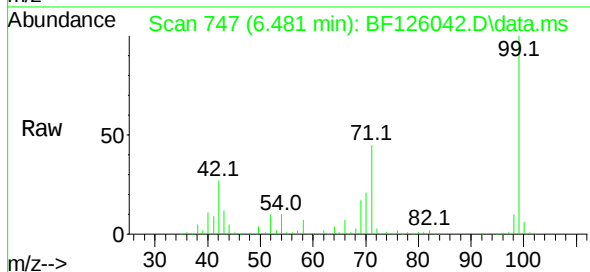
Tgt Ion: 99 Resp: 1258529

Ion Ratio Lower Upper

99 100

42 26.7 23.5 35.3

71 45.3 25.6 38.4#



n-Nitroso-di-n-propylamine

Concen: 17.96 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.135 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Tgt Ion: 70 Resp: 132646

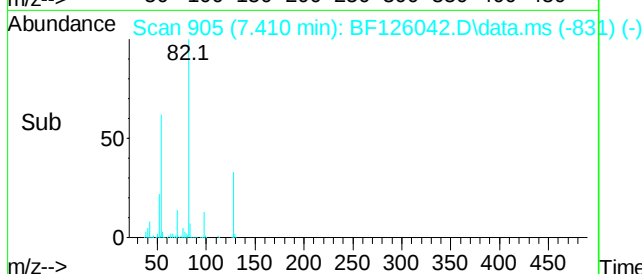
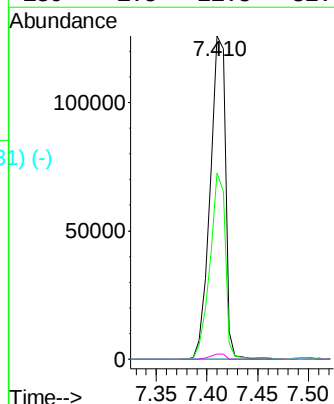
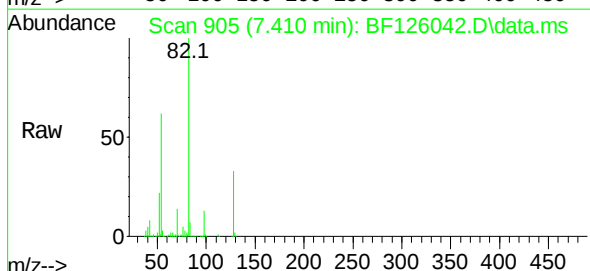
Ion Ratio Lower Upper

70 100

42 57.6 72.2 108.2#

101 0.0 7.8 11.8#

130 1.5 21.8 32.6#



Abundance Scan 1029 (8.139 min): BF126018.D\data.ms (-1029) #21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.133 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF126042.D

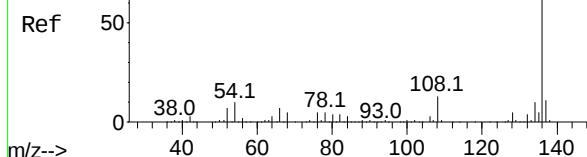
Acq: 4 Nov 2021 13:17

Instrument :

BNA_F

ClientSampleId :

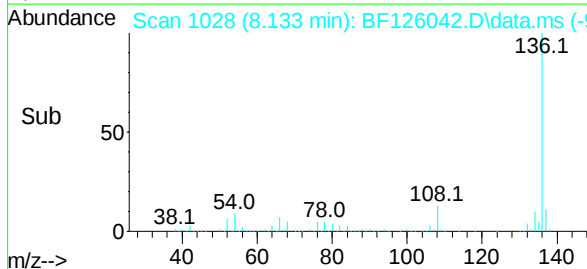
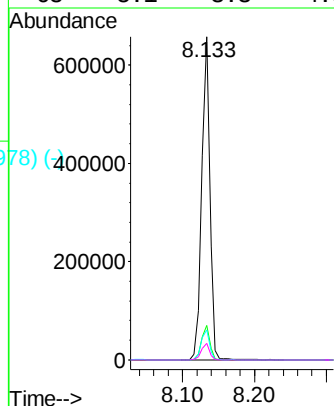
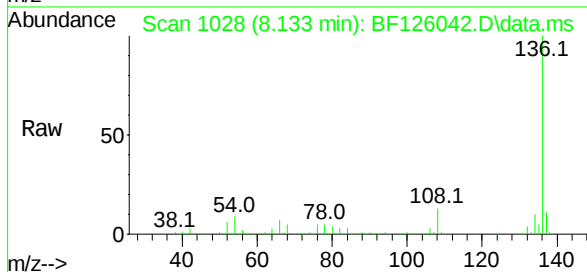
VNJ-224



Tgt Ion:136 Resp: 511409

Ion Ratio Lower Upper

136	100		
137	10.7	9.8	14.6
54	9.4	6.4	9.6
68	5.1	3.3	4.9#



Abundance Scan 907 (7.422 min): BF126018.D\data.ms (-907) #23

Nitrobenzene-d5

Concen: 86.24 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

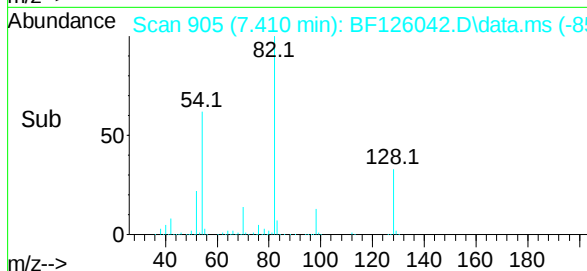
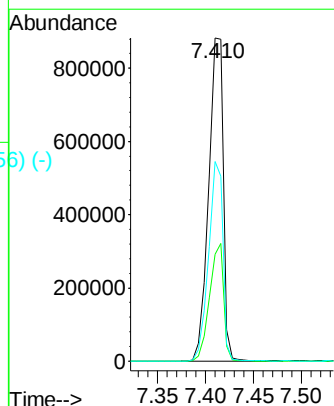
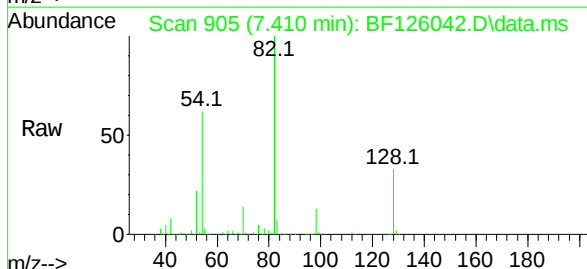
Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Tgt Ion: 82 Resp: 935142

Ion Ratio Lower Upper

82	100		
128	33.1	40.6	60.8#
54	61.7	49.6	74.4



Abundance Scan 951 (7.681 min): BF126018.D\data.ms (-944) #25

Isophorone

Concen: 47.60 ng

RT: 7.410 min Scan# 951

Delta R.T. -0.271 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Instrument :

BNA_F

ClientSampleId :

VNJ-224

Tgt Ion: 82 Resp: 929387

Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

Abundance Scan 905 (7.410 min): BF126042.D\data.ms

Ref 50

39.0 54.0 82.0 96.9 123.1 138.1

m/z-->

Abundance Scan 905 (7.410 min): BF126042.D\data.ms

Raw 50

38.1 54.1 82.1 98.1 113.1 128.1

m/z-->

Abundance Scan 905 (7.410 min): BF126042.D\data.ms (-900) (-)

Sub 50

38.1 54.1 82.1 98.1 113.1 128.1

m/z-->

Abundance

7.410

800000

600000

400000

200000

0

Time-->

7.35 7.40 7.45 7.50

Abundance Scan 1327 (9.892 min): BF126018.D\data.ms (-1327) #39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Tgt Ion:164 Resp: 299007

Ion Ratio Lower Upper

164 100

162 105.0 81.3 121.9

160 45.9 38.0 57.0

Abundance Scan 1326 (9.886 min): BF126042.D\data.ms

Ref 50

54.0 80.0 100.0 132.1 162.1

m/z-->

Abundance Scan 1326 (9.886 min): BF126042.D\data.ms

Raw 50

54.1 80.1 100.0 132.1 162.1

m/z-->

Abundance Scan 1326 (9.886 min): BF126042.D\data.ms (-1276) (-)

Sub 50

54.1 80.1 100.0 132.1 162.1

m/z-->

Abundance

9.886

300000

200000

100000

0

Time-->

9.80 9.90

Abundance Scan 1461 (10.680 min): BF126018.D\data.ms (-1454) (-)

2,4,6-Tribromophenol

Concen: 122.92 ng

RT: 10.674 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Instrument :

BNA_F

ClientSampleId :

VNJ-224

Tgt Ion:330 Resp: 421209

Ion Ratio Lower Upper

330 100

332 97.7 76.2 114.4

141 38.2 44.6 66.8#

Abundance Scan 1460 (10.674 min): BF126042.D\data.ms

Ref 50 62.0 140.9 221.8 329.8

m/z-->

Raw 50 62.0 140.9 221.9 329.8

m/z-->

Sub 50 62.0 140.9 221.9 329.8

m/z-->

Abundance Scan 1460 (10.674 min): BF126042.D\data.ms (-1410) (-)

Ref 50 62.0 140.9 221.9 329.8

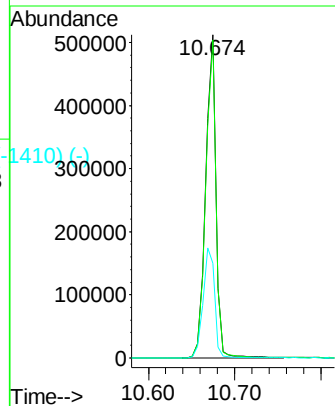
m/z-->

Raw 50 62.0 140.9 221.9 329.8

m/z-->

Sub 50 62.0 140.9 221.9 329.8

m/z-->



Abundance Scan 1212 (9.216 min): BF126018.D\data.ms (-1204) (-)

2-Fluorobiphenyl

Concen: 79.09 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Tgt Ion:172 Resp: 1749876

Ion Ratio Lower Upper

172 100

171 36.4 26.5 39.7

170 24.0 18.8 28.2

Abundance Scan 1211 (9.210 min): BF126042.D\data.ms

Ref 50 51.0 85.0 120.0 146.0 172.1 207.0

m/z-->

Raw 50 51.0 85.0 120.0 146.0 172.1

m/z-->

Sub 50 51.0 85.0 120.0 146.0 172.1

m/z-->

Abundance Scan 1211 (9.210 min): BF126042.D\data.ms (-1161) (-)

Ref 50 51.0 85.0 120.0 146.0 172.1

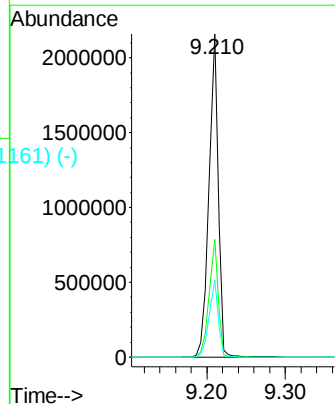
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Raw 50 51.0 85.0 120.0 146.0 172.1

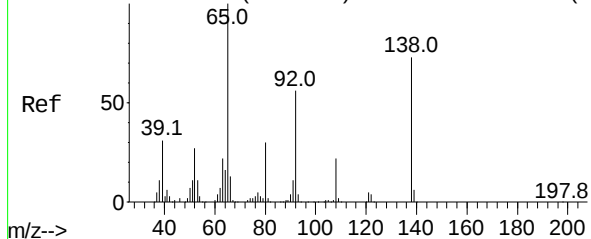
m/z-->

Sub 50 51.0 85.0 120.0 146.0 172.1

m/z-->



Abundance Scan 1248 (9.428 min): BF126018.D\data.ms (-1248)



2-Nitroaniline

Concen: 3.29 ng

RT: 9.327 min Scan#

Delta R.T. -0.101 min

Lab File: BF126042.D

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VNJ-224

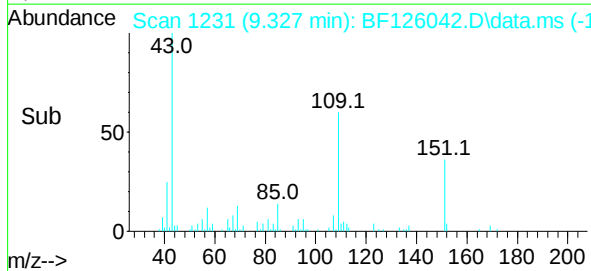
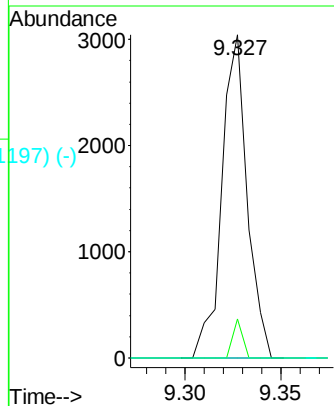
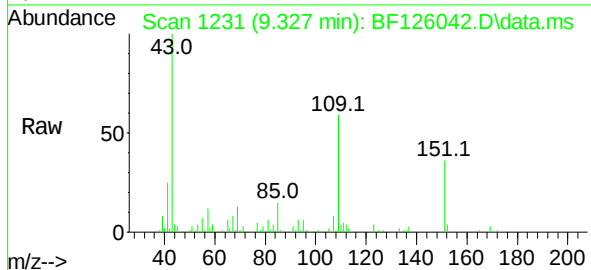
Tgt Ion: 65 Resp: 2803

Ion Ratio Lower Upper

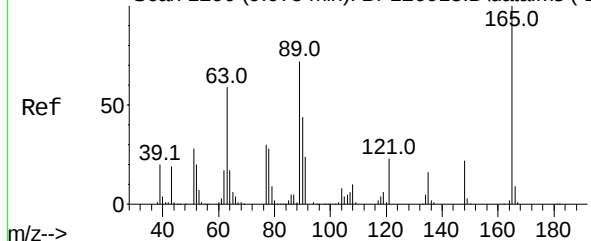
65 100

92 12.1 55.5 83.3#

138 0.0 93.5 140.3#



Abundance Scan 1290 (9.675 min): BF126018.D\data.ms (-1290)



2,6-Dinitrotoluene

Concen: 10.31 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.211 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

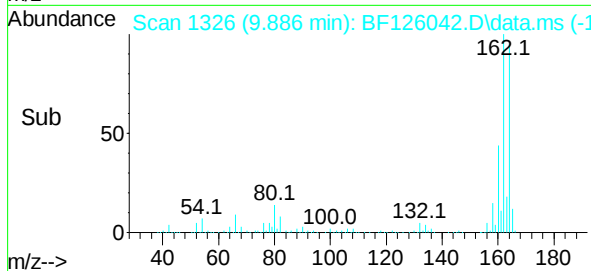
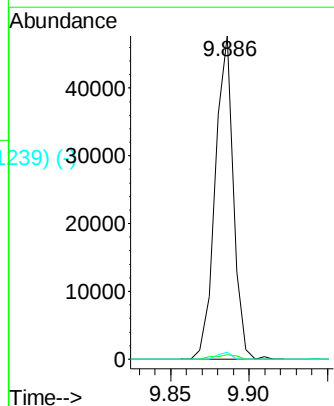
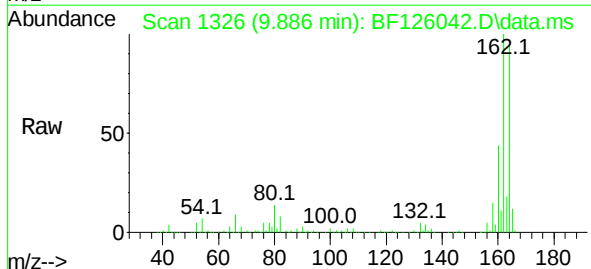
Tgt Ion:165 Resp: 38455

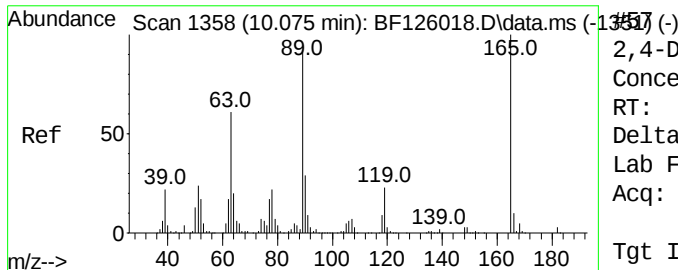
Ion Ratio Lower Upper

165 100

63 1.3 42.6 63.8#

89 2.1 40.6 60.8#

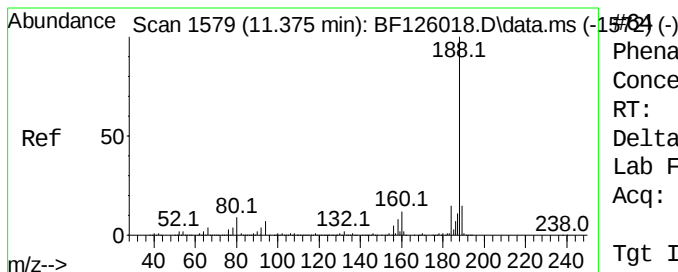
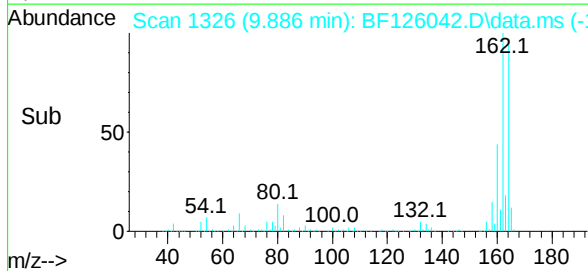
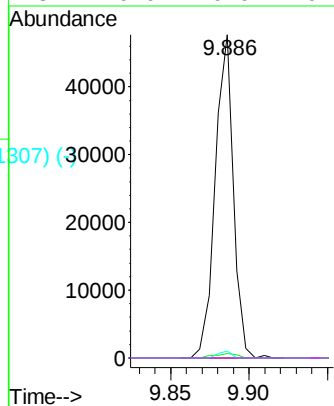
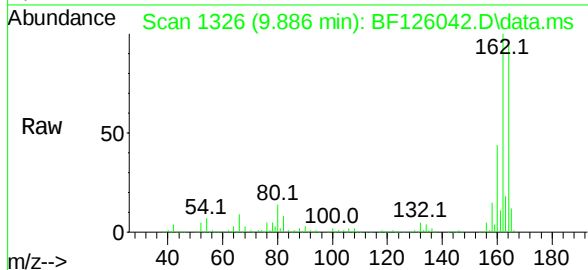




2,4-Dinitrotoluene
Concen: 9.85 ng
RT: 9.886 min Scan# 1357
Delta R.T. -0.189 min
Lab File: BF126042.D
Acq: 4 Nov 2021 13:17

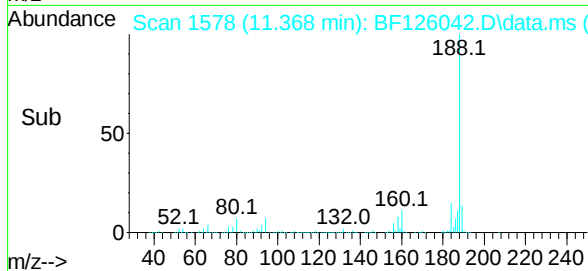
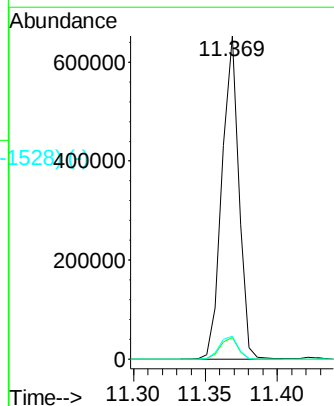
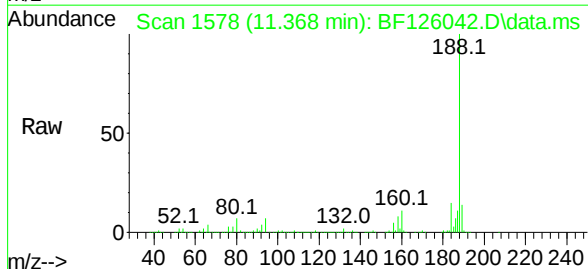
Instrument :
BNA_F
ClientSampleId :
VNJ-224

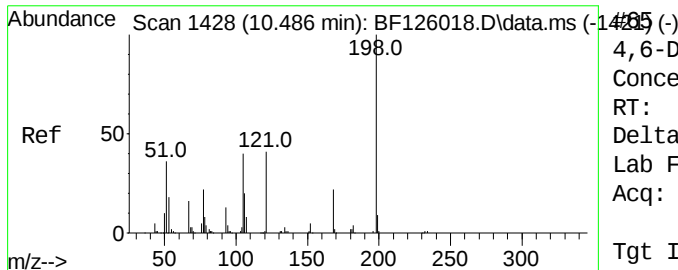
Tgt Ion:	165	Resp:	38455
Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.9	61.3#
89	2.1	59.7	89.5#
182	0.0	0.0	0.0



Phenanthrene-d10
Concen: 20.00 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.007 min
Lab File: BF126042.D
Acq: 4 Nov 2021 13:17

Tgt Ion:	188	Resp:	529905
Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.7	10.1#
80	7.2	7.5	11.3#

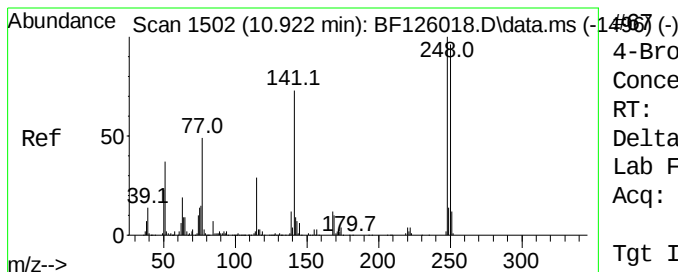
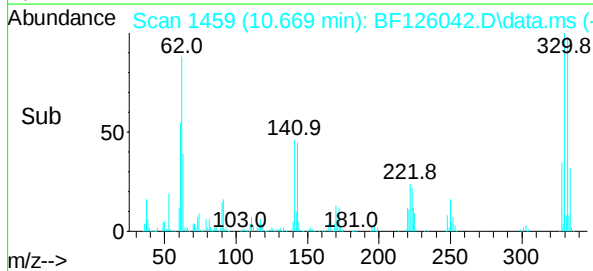
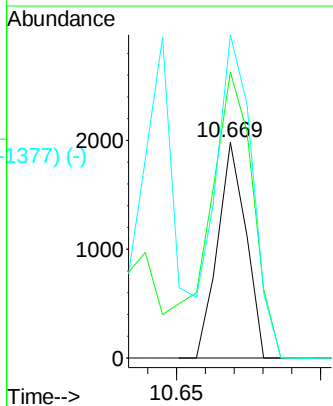
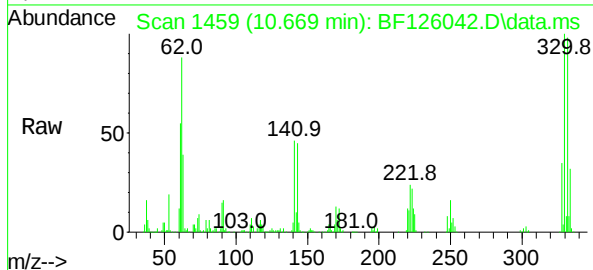




4,6-Dinitro-2-methylphenol
 Concen: 8.76 ng
 RT: 10.669 min Scan# 1425
 Delta R.T. 0.183 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

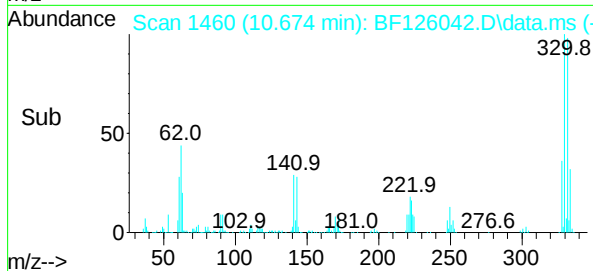
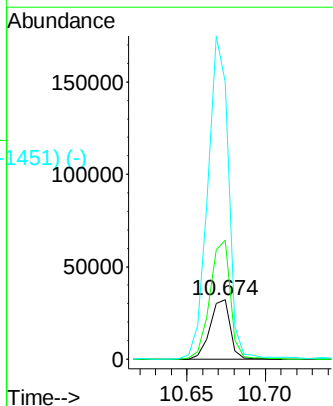
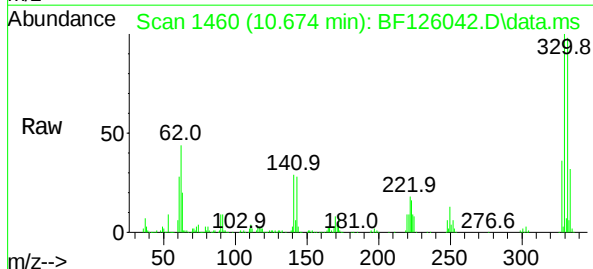
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

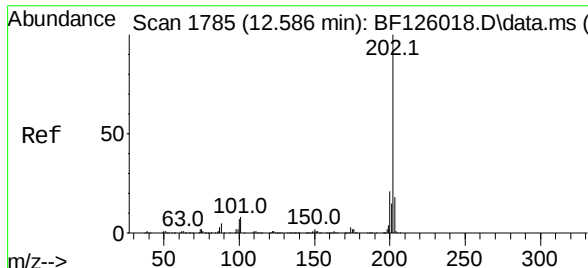
Tgt Ion:	198	Resp:	1355
Ion	Ratio	Lower	Upper
198	100		
51	132.5	45.3	85.3#
105	149.7	30.6	70.6#



4-Bromophenyl-phenylether
 Concen: 4.48 ng
 RT: 10.674 min Scan# 1460
 Delta R.T. -0.248 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:	248	Resp:	28763
Ion	Ratio	Lower	Upper
248	100		
250	200.5	74.2	111.4#
141	466.8	60.4	90.6#

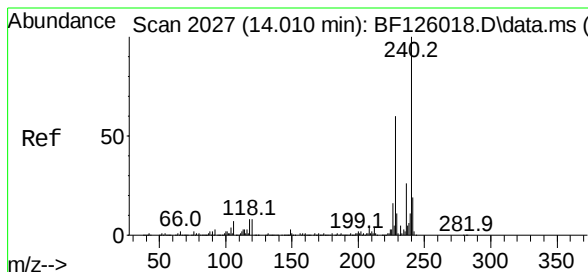
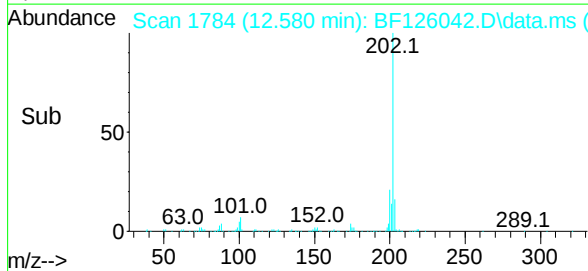
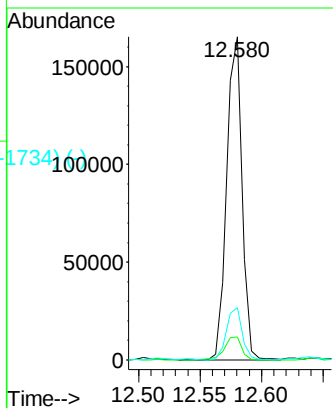
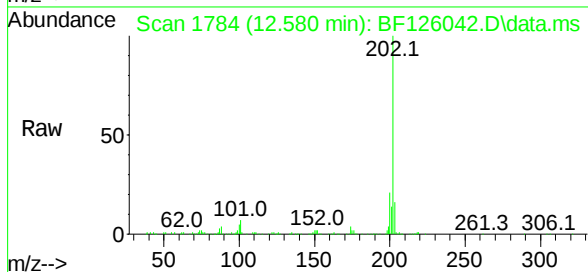




Scan 1785 (12.586 min): BF126018.D\data.ms (-1775) (-)
 Fluoranthene
 Concen: 4.52 ng
 RT: 12.580 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

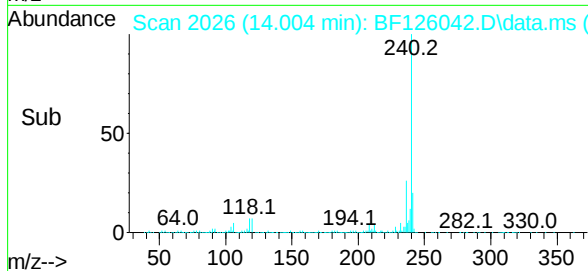
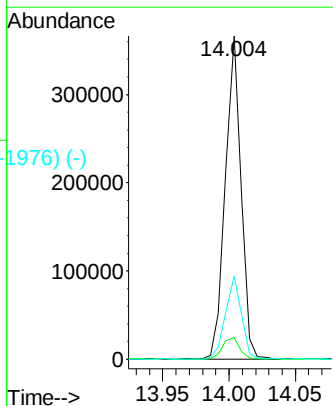
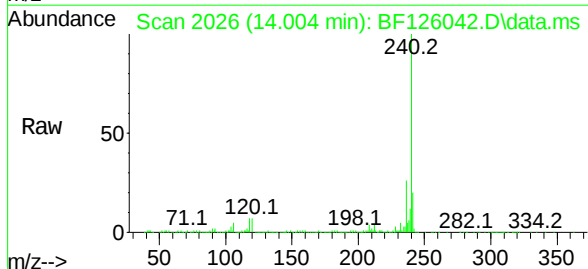
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

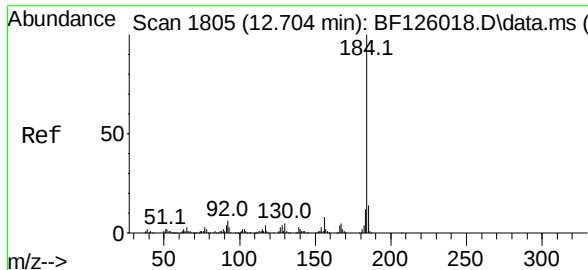
Tgt Ion:	202	Resp:	144738
Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	30.7
203	16.2	0.0	36.3



Scan 2027 (14.010 min): BF126018.D\data.ms (-2027) (-)
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:	240	Resp:	299079
Ion	Ratio	Lower	Upper
240	100		
120	6.6	10.8	16.2#
236	25.7	21.6	32.4

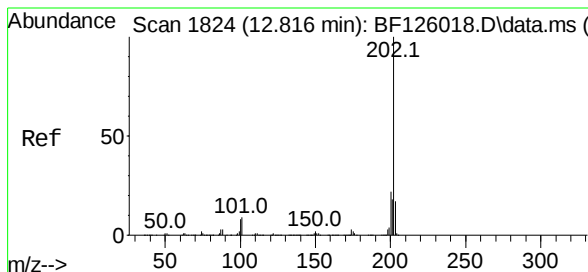
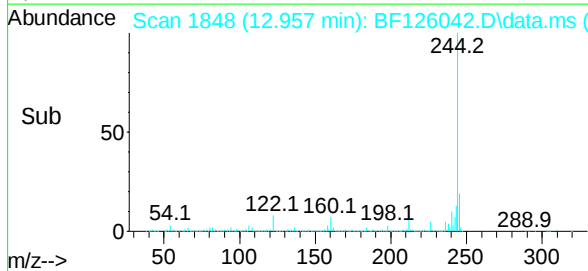
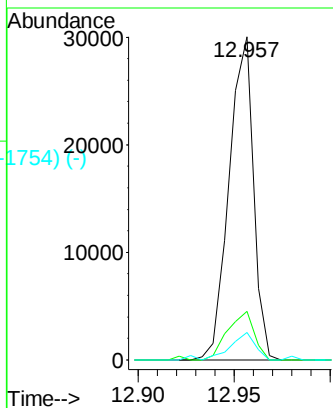
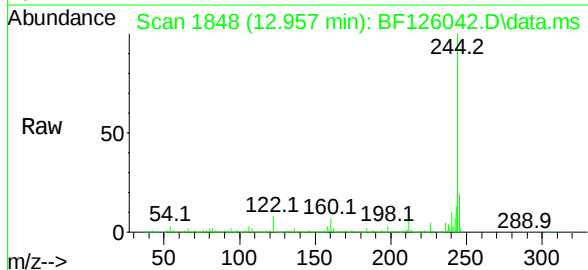




Benzidine
 Concen: 2.65 ng
 RT: 12.957 min Scan# 1805
 Delta R.T. 0.253 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

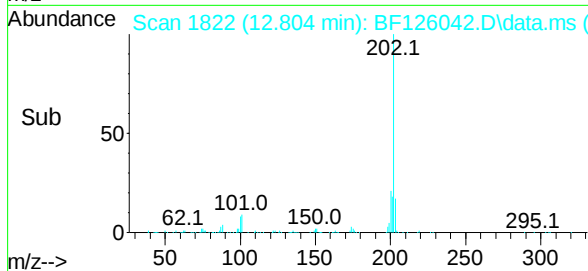
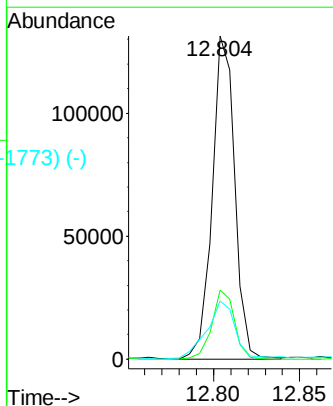
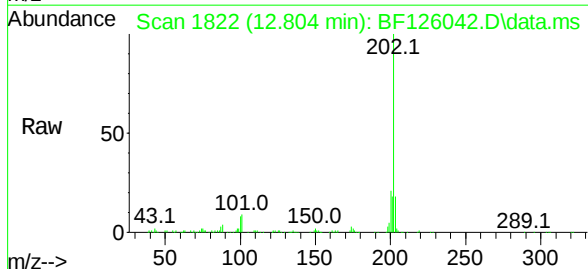
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

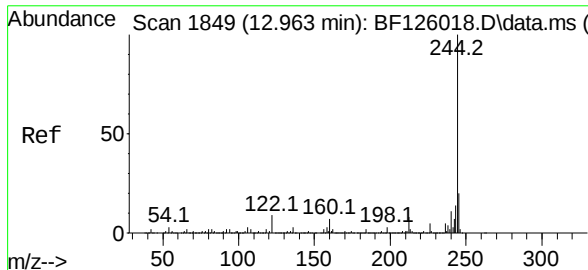
Tgt Ion:	184	Resp:	26509
Ion	Ratio	Lower	Upper
184	100		
185	15.0	10.8	16.2
183	8.6	8.1	12.1



Pyrene
 Concen: 5.02 ng
 RT: 12.804 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:	202	Resp:	120476
Ion	Ratio	Lower	Upper
202	100		
200	21.3	15.3	22.9
203	18.0	13.4	20.0





Terphenyl-d14

Concen: 86.30 ng

RT: 12.957 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

Instrument :

BNA_F

ClientSampleId :

VNJ-224

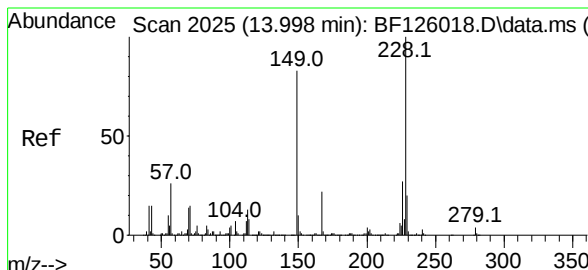
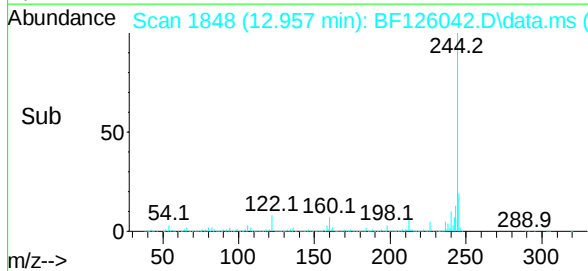
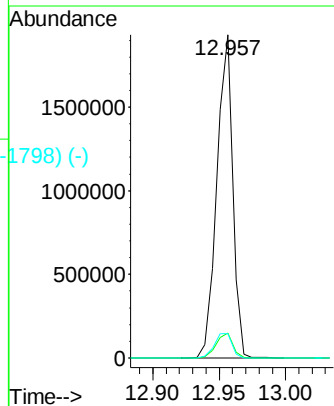
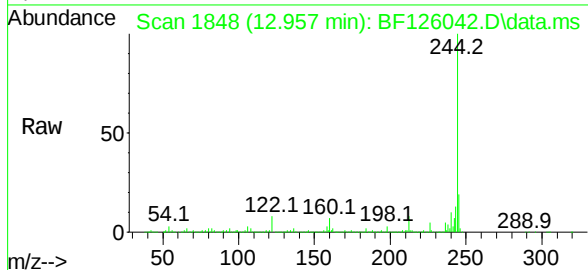
Tgt Ion:244 Resp: 1600643

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 7.6 9.0 13.4#



Benzo(a)anthracene

Concen: 2.65 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF126042.D

Acq: 4 Nov 2021 13:17

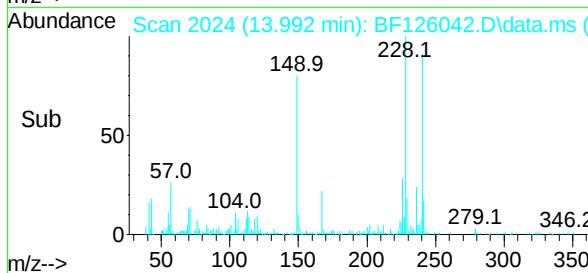
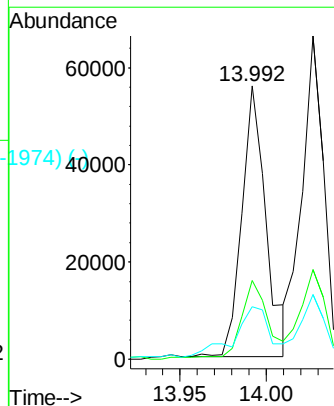
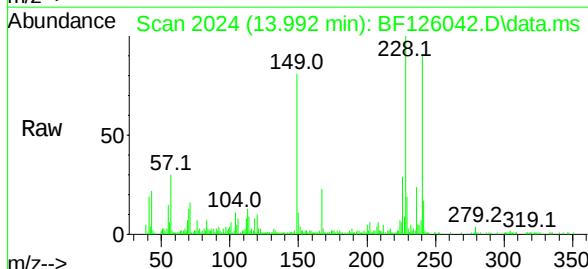
Tgt Ion:228 Resp: 54349

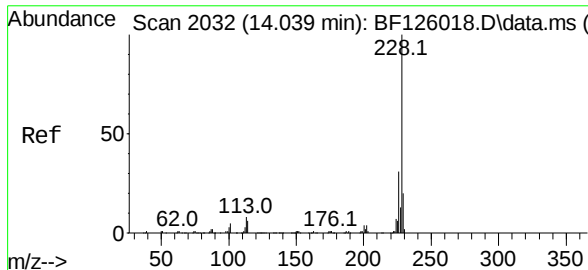
Ion Ratio Lower Upper

228 100

226 28.8 21.6 32.4

229 19.1 15.6 23.4

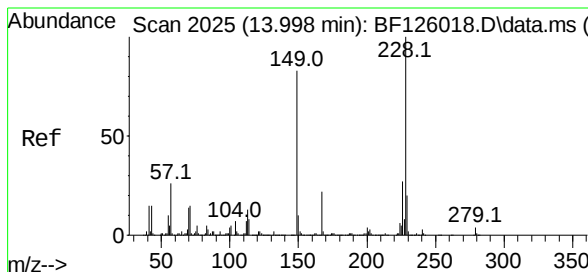
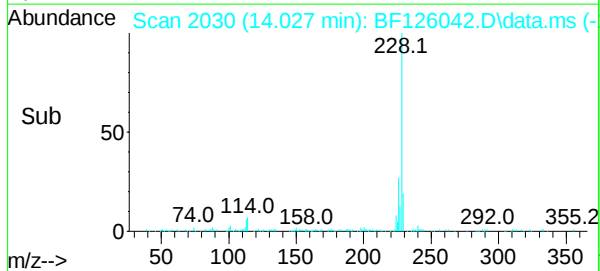
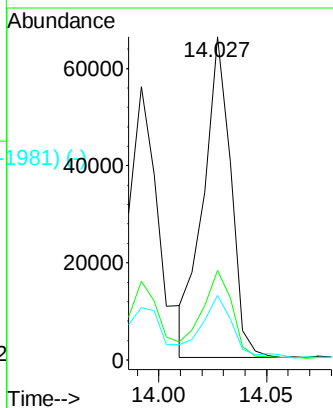
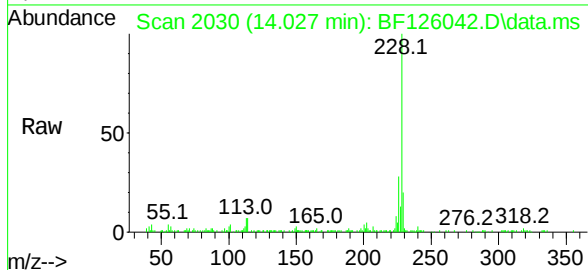




Chrysene
 Concen: 3.06 ng
 RT: 14.027 min Scan# 2032
 Delta R.T. -0.012 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

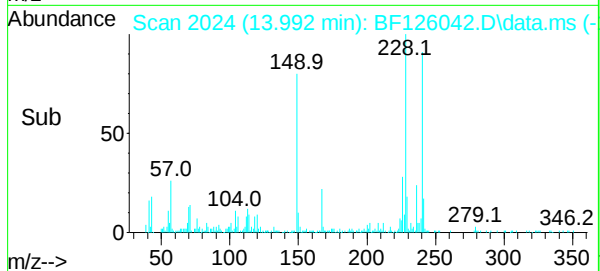
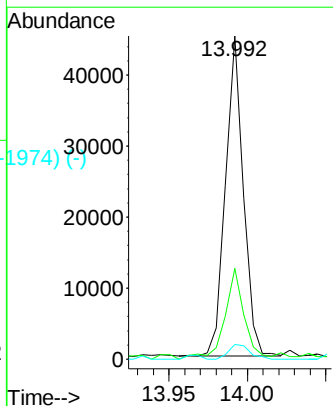
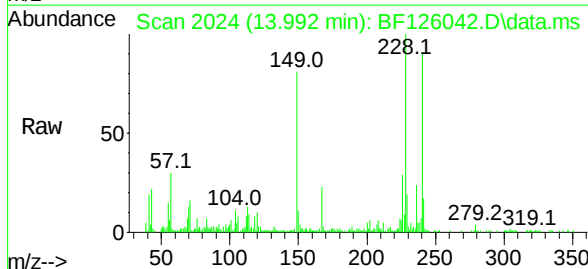
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

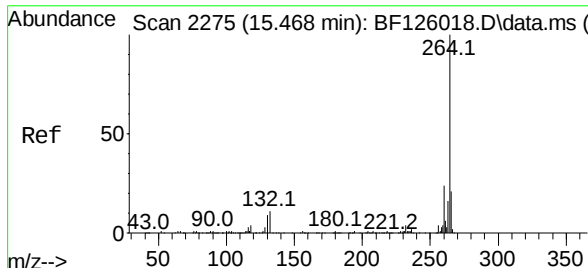
Tgt Ion:	228	Resp:	58425
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	34.0
229	20.0	15.9	23.9



Bis(2-ethylhexyl)phthalate
 Concen: 2.95 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:	149	Resp:	35708
Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.4	32.0
279	4.6	2.6	4.0#

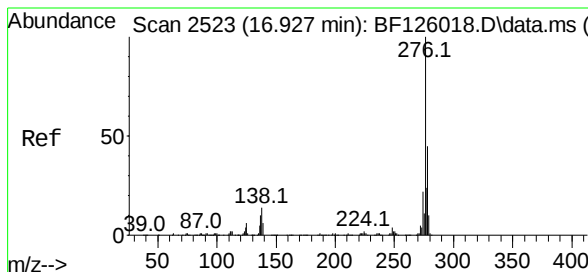
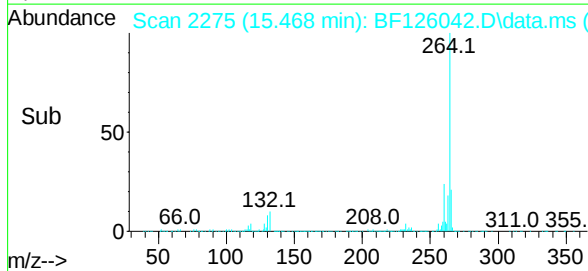
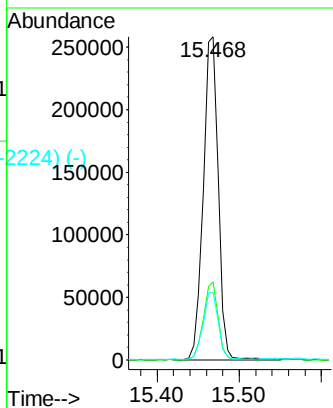
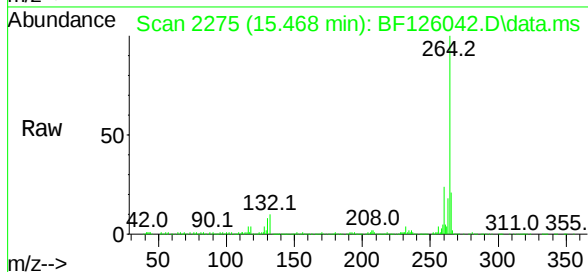




Scan 2275 (15.468 min): BF126018.D\data.ms (-2285) (-)
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.468 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

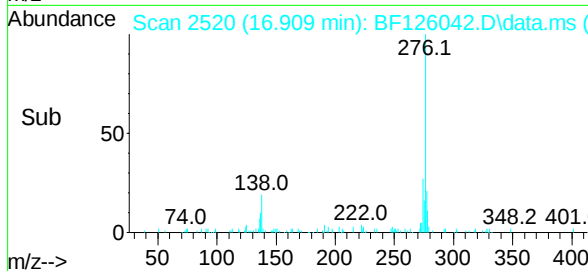
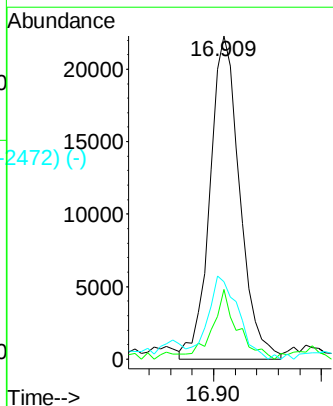
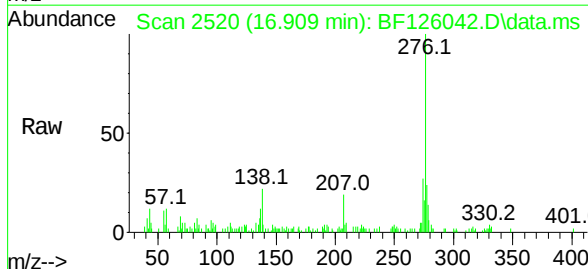
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

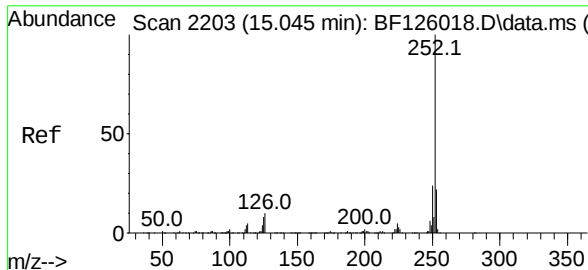
Tgt Ion:	264	Resp:	325086
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.1	17.2	25.8



Scan 2523 (16.927 min): BF126018.D\data.ms (-2542) (-)
 Indeno(1,2,3-cd)pyrene
 Concen: 2.23 ng
 RT: 16.909 min Scan# 2520
 Delta R.T. -0.018 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:	276	Resp:	42930
Ion	Ratio	Lower	Upper
276	100		
138	17.7	24.1	36.1#
277	26.1	18.8	28.2

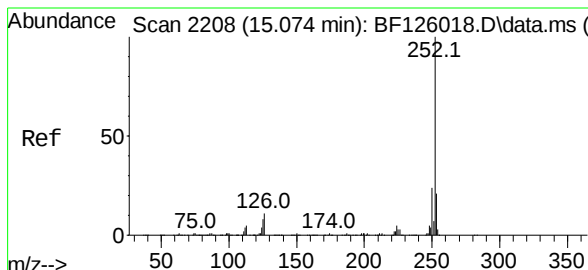
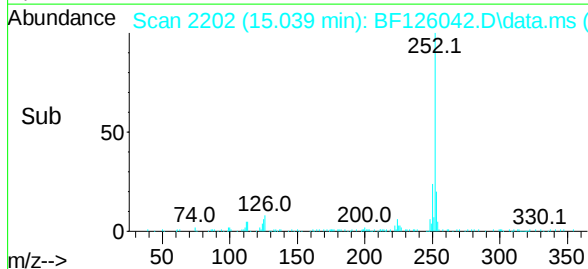
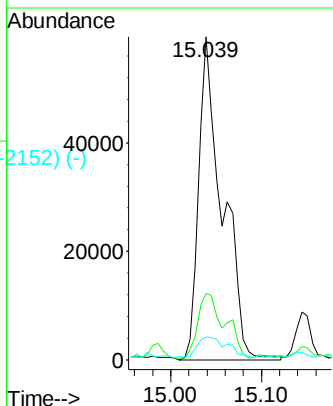
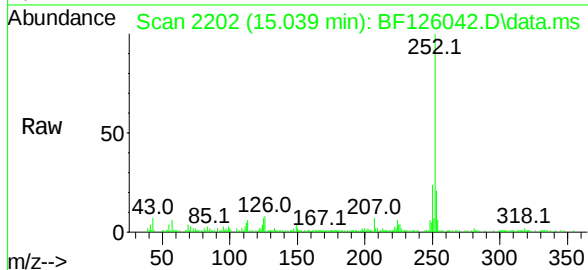




Benzo(b)fluoranthene
 Concen: 5.12 ng
 RT: 15.039 min Scan# 2202
 Delta R.T. -0.006 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

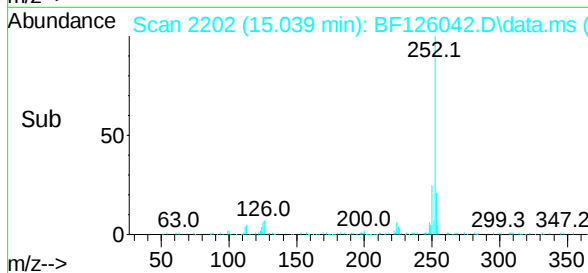
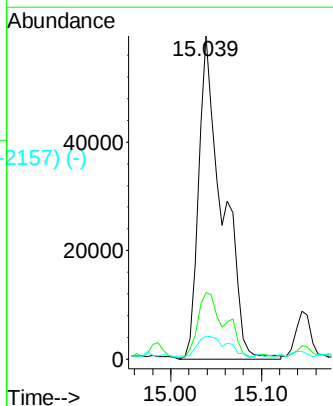
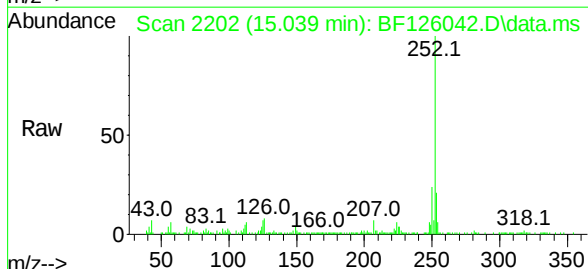
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

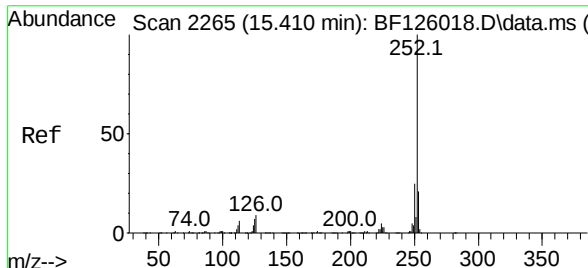
Tgt Ion:	252	Resp:	108290
Ion Ratio	Lower	Upper	
252	100		
253	20.6	16.8	25.2
125	7.2	9.8	14.8#



Benzo(k)fluoranthene
 Concen: 5.28 ng
 RT: 15.039 min Scan# 2202
 Delta R.T. -0.035 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Tgt Ion:	252	Resp:	108290
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.8	26.8
125	7.2	7.2	10.8





Benzo(a)pyrene
 Concen: 2.53 ng
 RT: 15.339 min Scan# 1
 Delta R.T. -0.071 min
 Lab File: BF126042.D
 Acq: 4 Nov 2021 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-224

Tgt Ion:	252	Resp:	42165
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	10.4	9.9	14.9

