

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092221\
 Data File : BF125580.D
 Acq On : 23 Sep 2021 2:35
 Operator : JU/CG
 Sample : M3822-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-SLAB

Quant Time: Sep 23 04:51:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 21 19:21:36 2021
 Response via : Initial Calibration

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

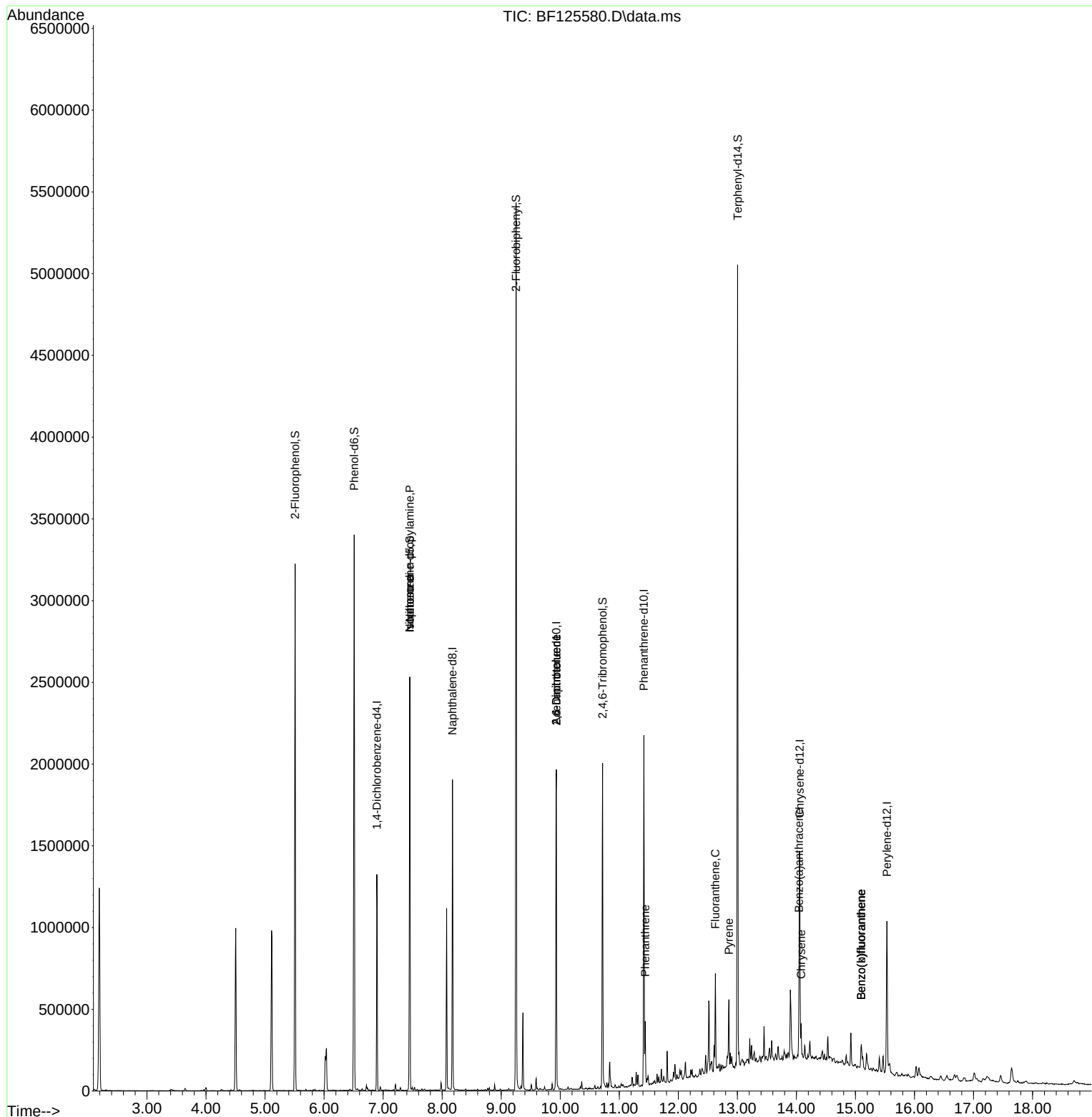
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	197623	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	805666	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	425508	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	720080	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	421498	20.000	ng	0.00
86) Perylene-d12	15.533	264	388143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	913144	73.069	ng	0.00
7) Phenol-d6	6.510	99	1286363	79.835	ng	-0.01
23) Nitrobenzene-d5	7.451	82	802016	63.493	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	234687	56.311	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1697357	70.256	ng	-0.01
79) Terphenyl-d14	13.004	244	1599549	61.281	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.439	77	765	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.451	70	101592	10.535	ng	# 50
25) Isophorone	7.451	82	801232	29.476	ng	# 59
51) 2,6-Dinitrotoluene	9.933	165	56174	9.642	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	56306	8.064	ng	# 19
71) Phenanthrene	11.439	178	125315	3.098	ng	98
75) Fluoranthene	12.627	202	213088	5.370	ng	99
78) Pyrene	12.857	202	164858	4.174	ng	98
81) Benzo(a)anthracene	14.045	228	70196	2.447	ng	98
83) Chrysene	14.080	228	78895	2.722	ng	98
88) Benzo(b)fluoranthene	15.098	252	105611	3.720	ng	97
89) Benzo(k)fluoranthene	15.098	252	105611	4.068	ng	# 95

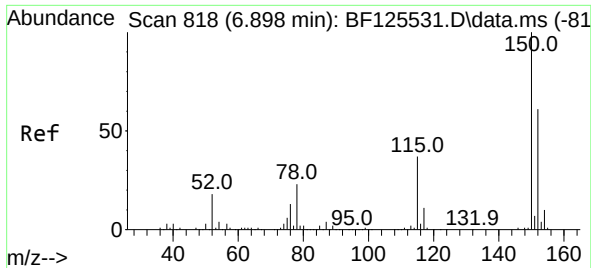
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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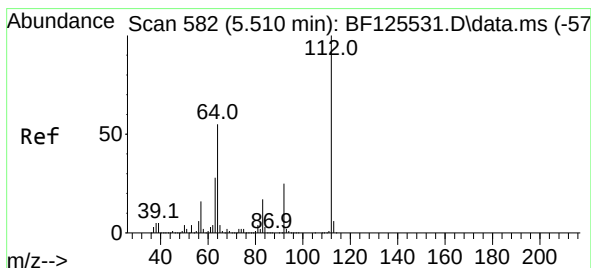
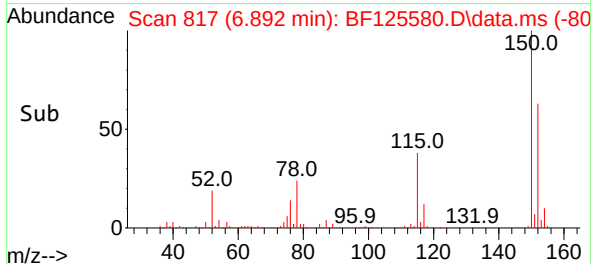
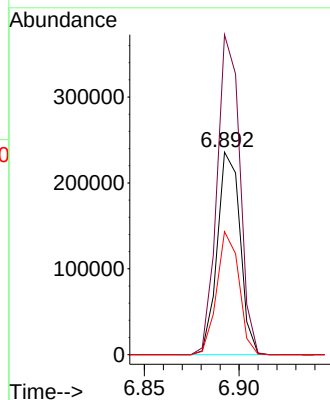
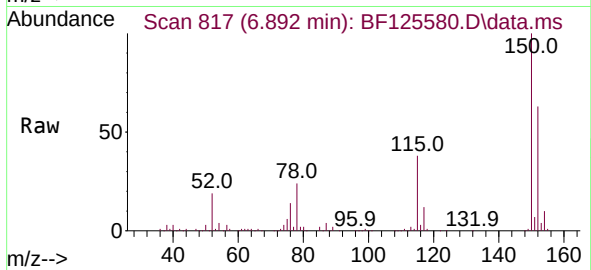




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

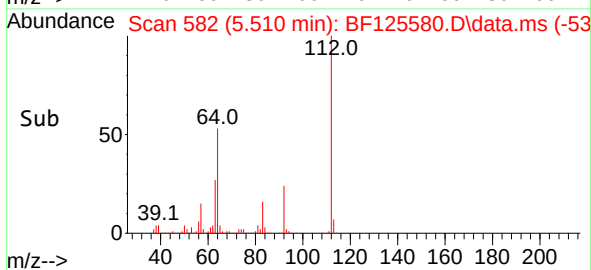
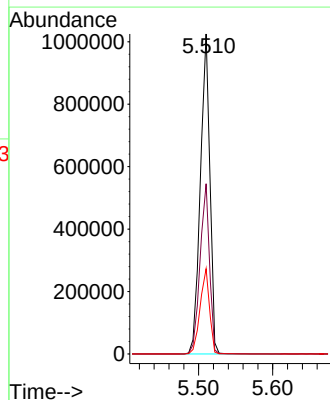
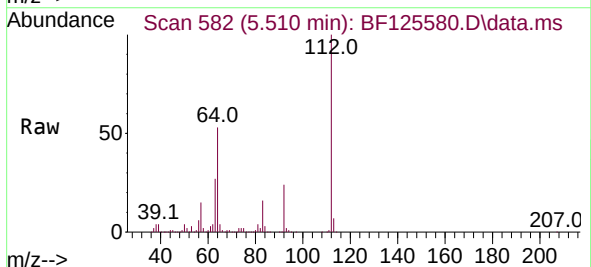
Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

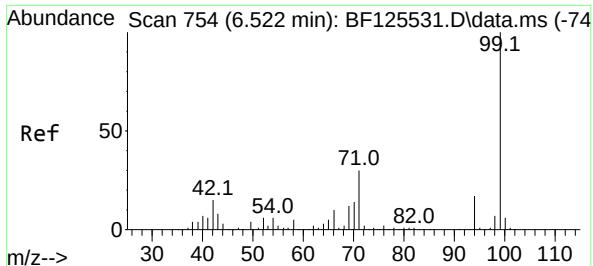
Tgt Ion:152 Resp: 197623
Ion Ratio Lower Upper
152 100
150 157.9 117.6 176.4
115 60.7 47.1 70.7



#5
2-Fluorophenol
Concen: 73.069 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion:112 Resp: 913144
Ion Ratio Lower Upper
112 100
64 53.2 44.2 66.2
63 26.7 26.2 39.2

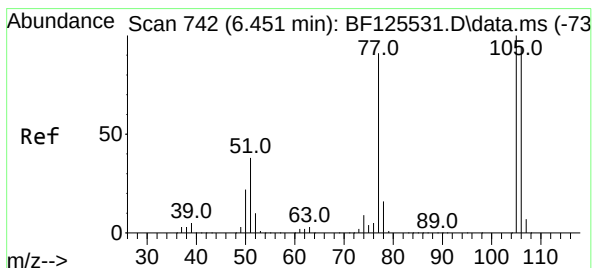
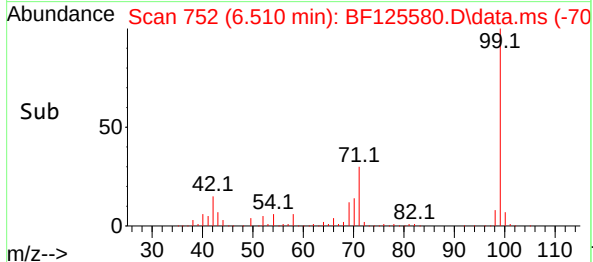
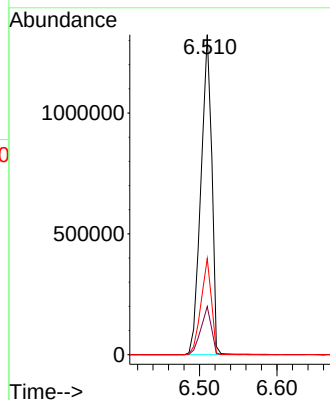
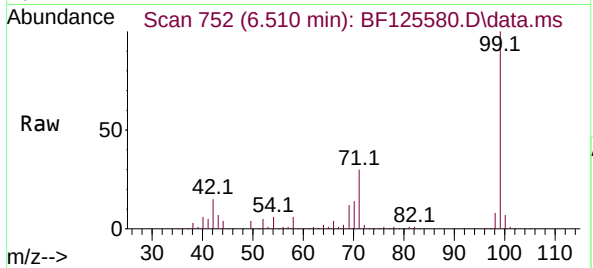




#7
Phenol-d6
Concen: 79.835 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

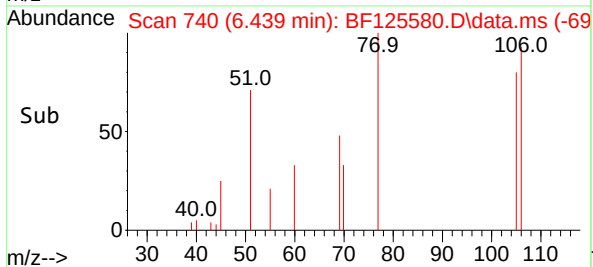
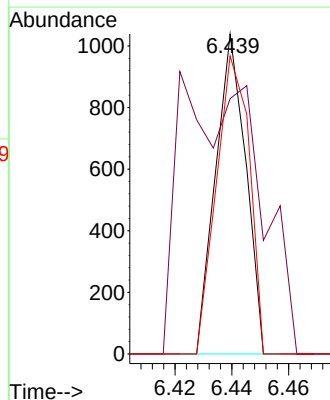
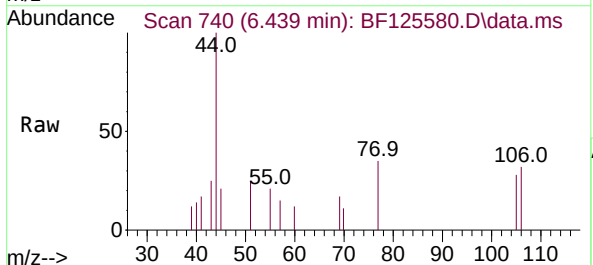
Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

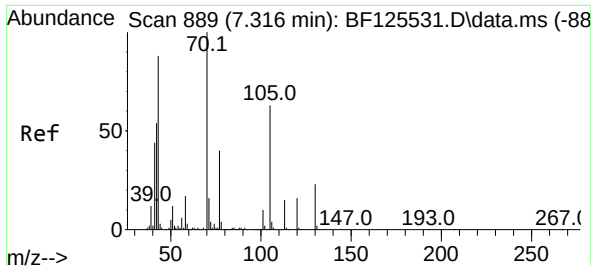
Tgt Ion: 99 Resp: 1286363
Ion Ratio Lower Upper
99 100
42 15.0 23.5 35.3#
71 30.0 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.439 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

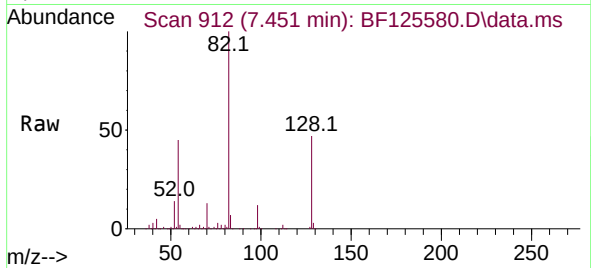
Tgt Ion: 77 Resp: 765
Ion Ratio Lower Upper
77 100
105 79.8 75.9 115.9
106 93.2 84.0 124.0



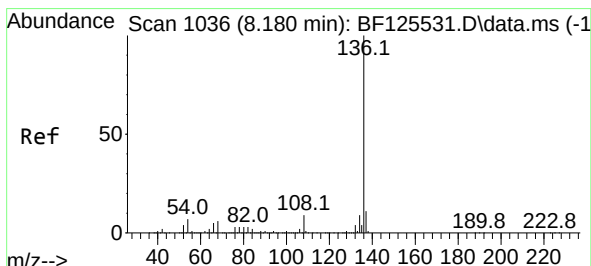
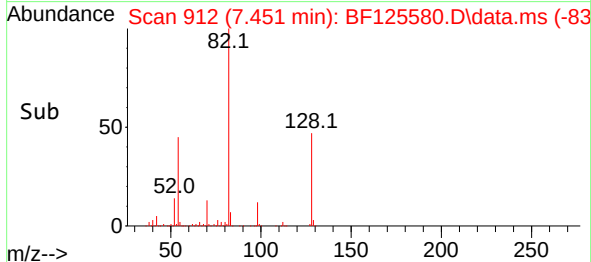
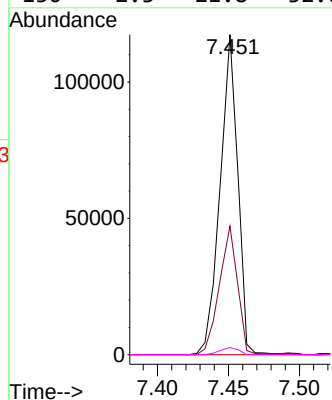


#19
n-Nitroso-di-n-propylamine
Concen: 10.535 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

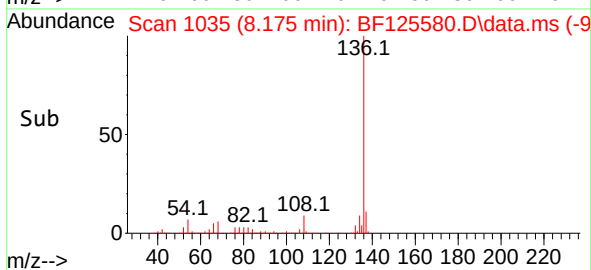
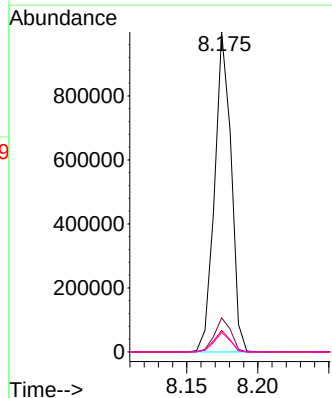
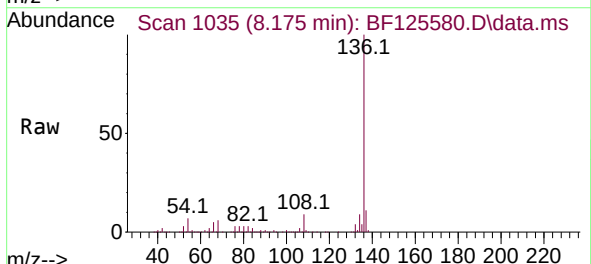


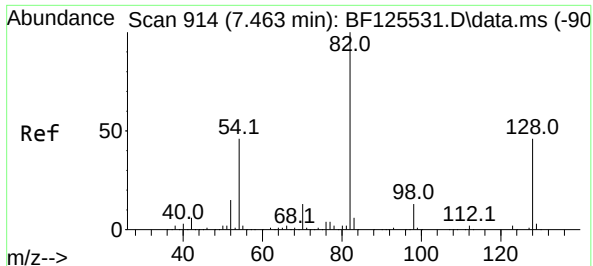
Tgt Ion: 70 Resp: 101592
Ion Ratio Lower Upper
70 100
42 40.2 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion: 136 Resp: 805666
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 6.7 6.4 9.6
68 6.1 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 63.493 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF125580.D

Acq: 23 Sep 2021 2:35

Tgt Ion: 82 Resp: 802016

Ion Ratio Lower Upper

82 100

128 47.1 40.6 60.8

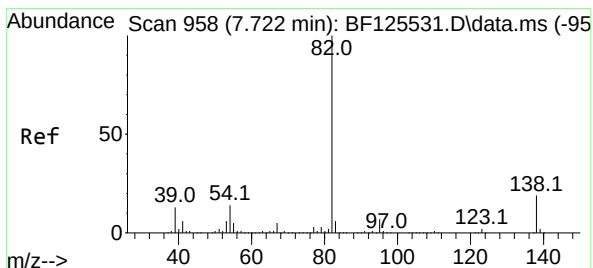
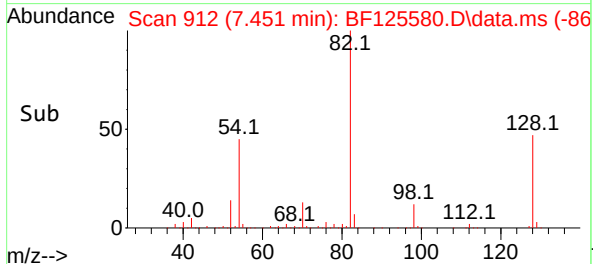
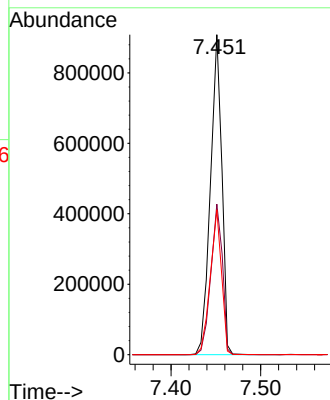
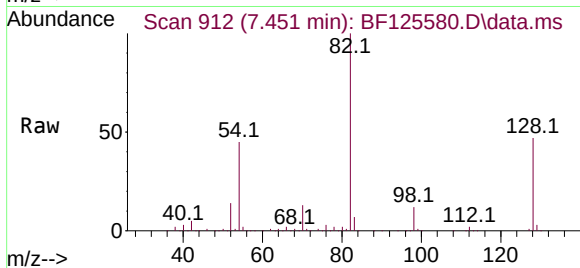
54 45.3 49.6 74.4#

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB



#25

Isophorone

Concen: 29.476 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.271 min

Lab File: BF125580.D

Acq: 23 Sep 2021 2:35

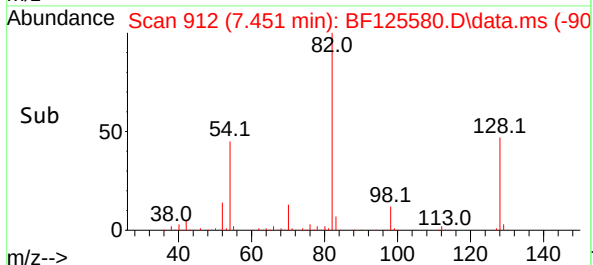
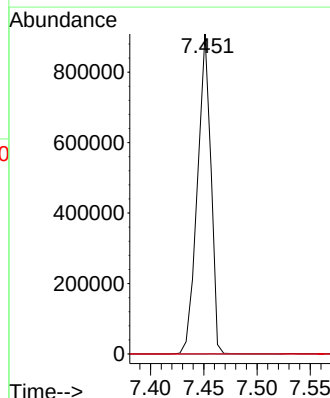
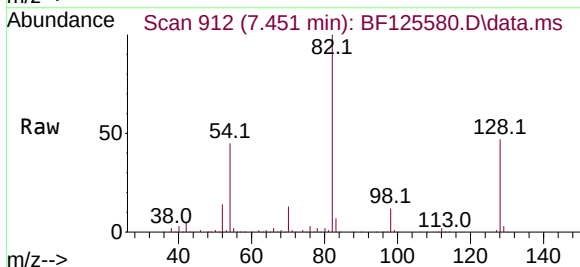
Tgt Ion: 82 Resp: 801232

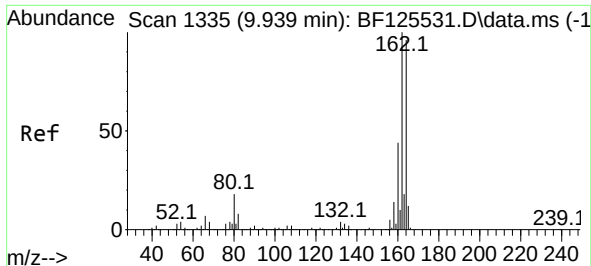
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF125580.D

Acq: 23 Sep 2021 2:35

Tgt Ion:164 Resp: 425508

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

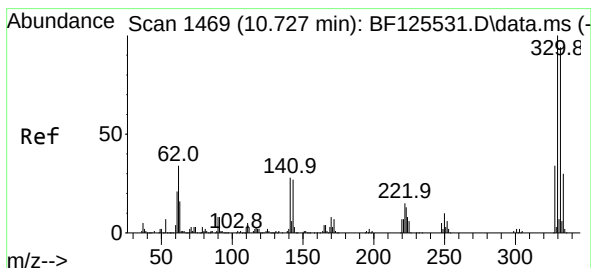
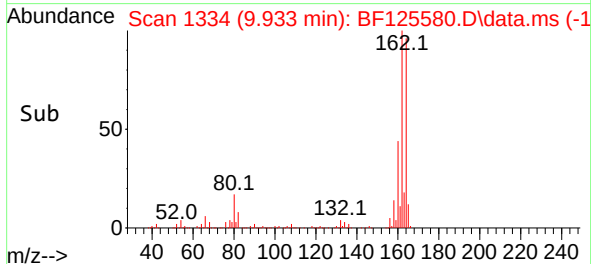
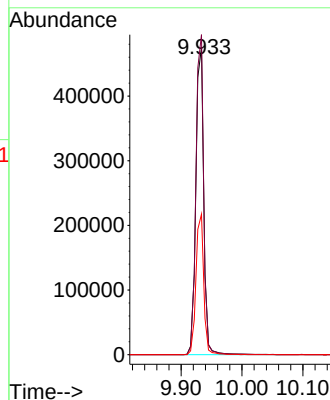
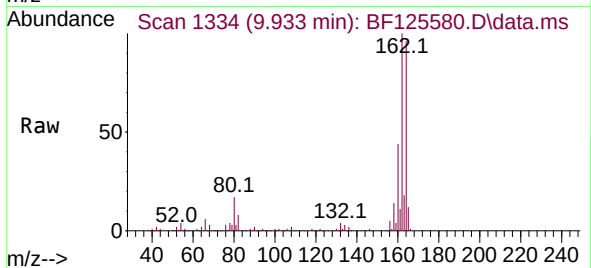
160 45.7 38.0 57.0

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB



#42

2,4,6-Tribromophenol

Concen: 56.311 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.012 min

Lab File: BF125580.D

Acq: 23 Sep 2021 2:35

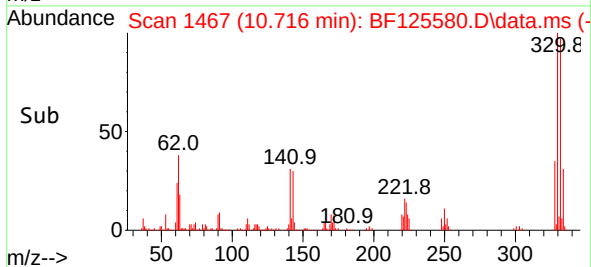
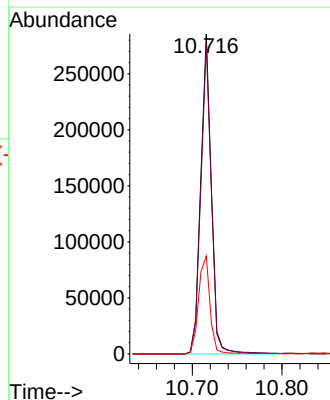
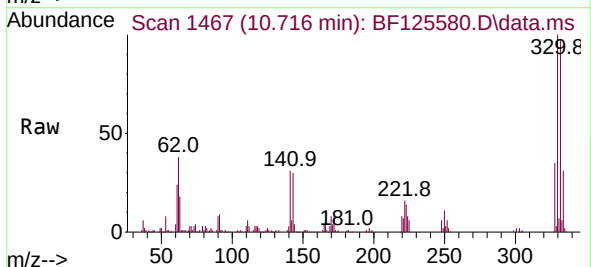
Tgt Ion:330 Resp: 234687

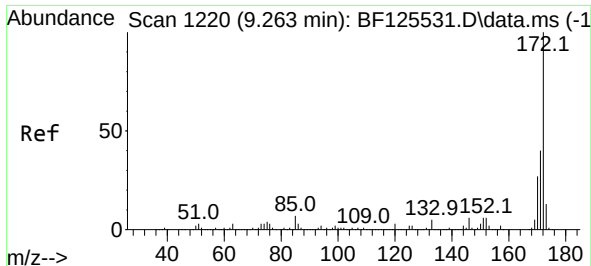
Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.4

141 33.2 44.6 66.8#

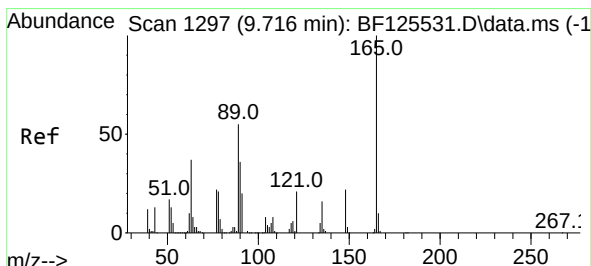
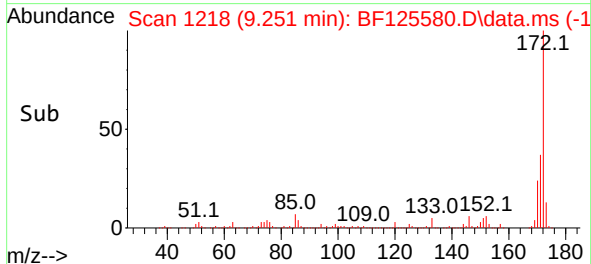
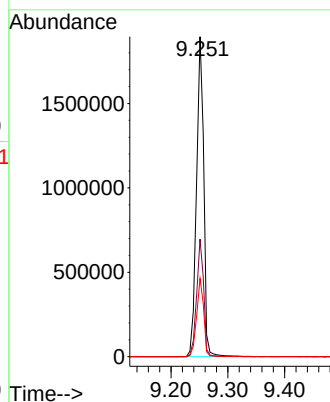
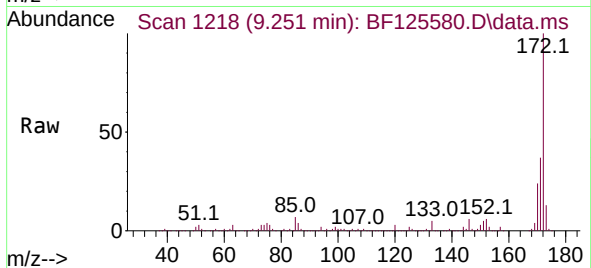




#45
2-Fluorobiphenyl
Concen: 70.256 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

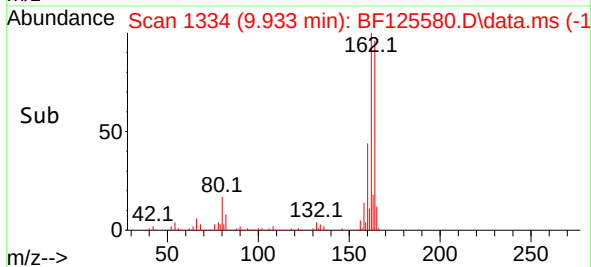
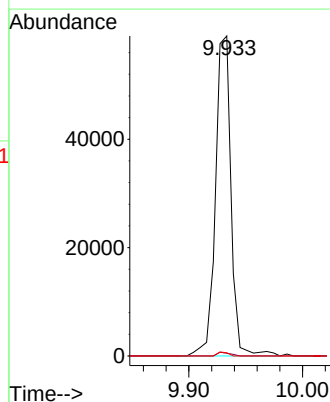
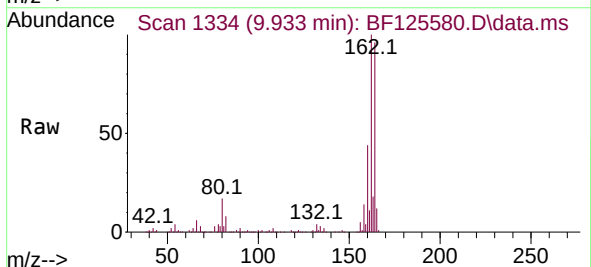
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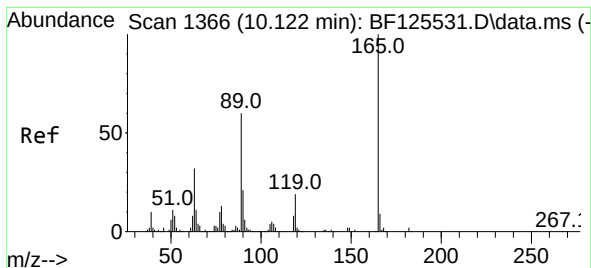
Tgt Ion:172 Resp: 1697357
Ion Ratio Lower Upper
172 100
171 36.8 26.5 39.7
170 24.5 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.642 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.218 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion:165 Resp: 56174
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.0 40.6 60.8#

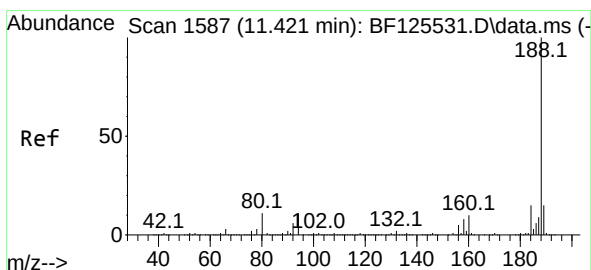
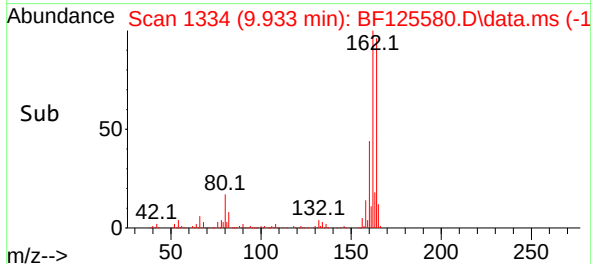
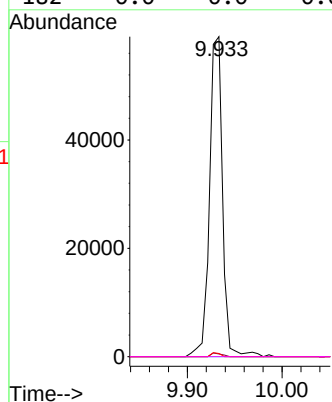
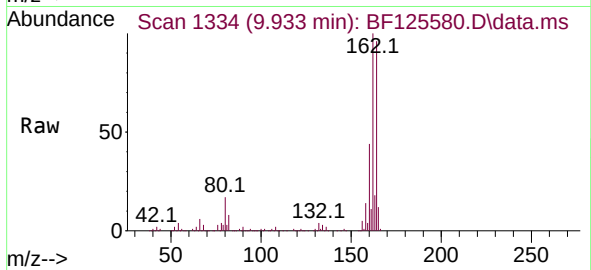




#57
2,4-Dinitrotoluene
Concen: 8.064 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

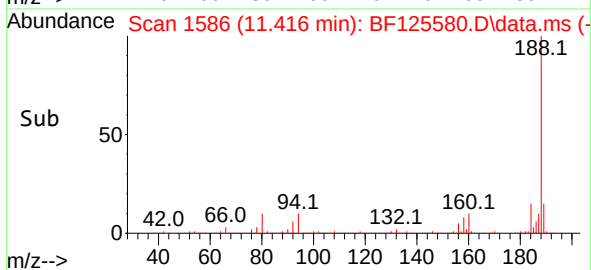
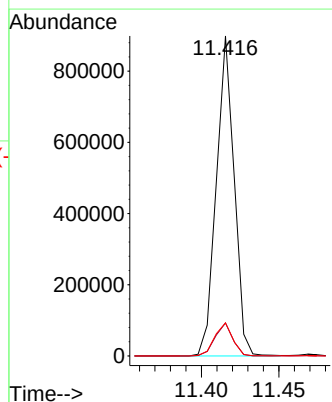
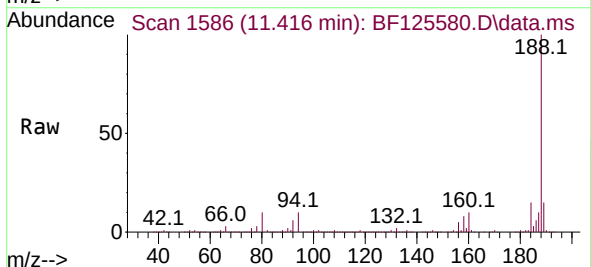
Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

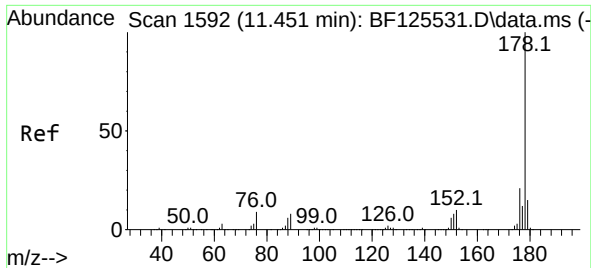
Tgt Ion:165	Resp:	56306
Ion Ratio	Lower	Upper
165	100	
63	0.9	40.9
89	1.0	59.7
182	0.0	0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion:188	Resp:	720080
Ion Ratio	Lower	Upper
188	100	
94	10.3	6.7
80	10.4	7.5

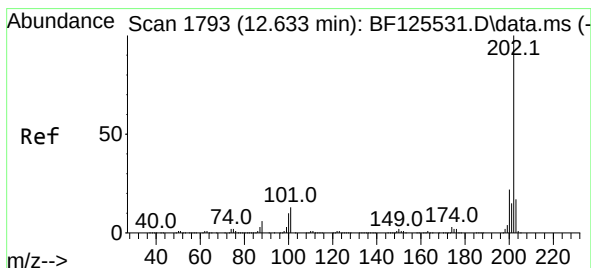
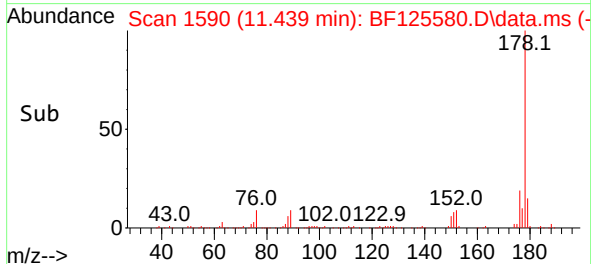
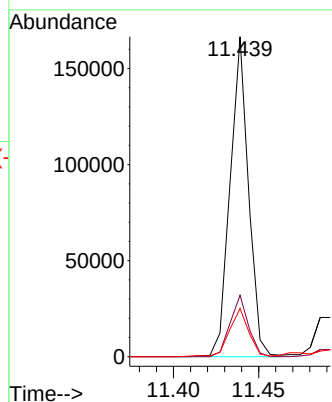
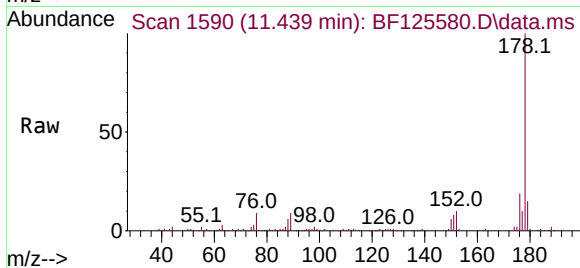




#71
Phenanthrene
Concen: 3.098 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.012 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

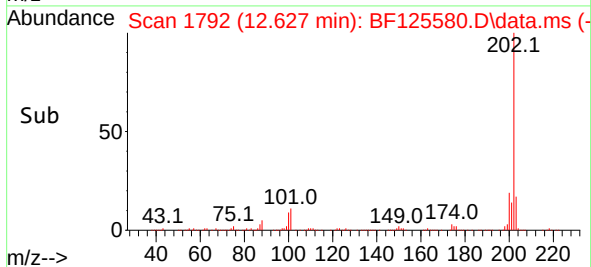
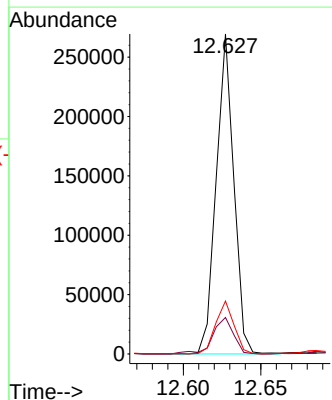
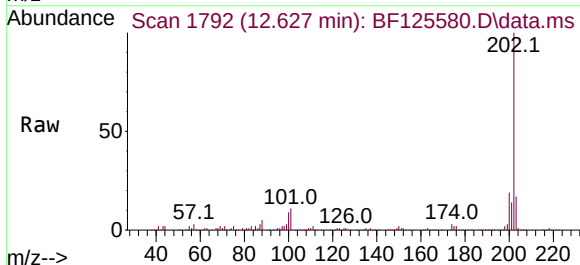
Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

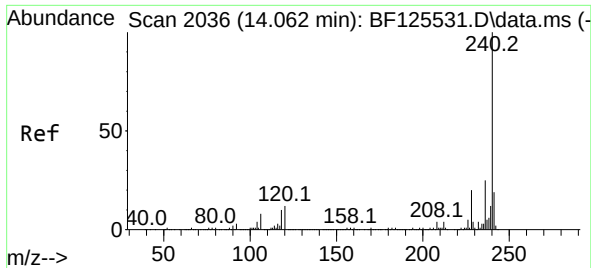
Tgt Ion:178 Resp: 125315
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.0 11.5 17.3



#75
Fluoranthene
Concen: 5.370 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion:202 Resp: 213088
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 16.6 0.0 36.3

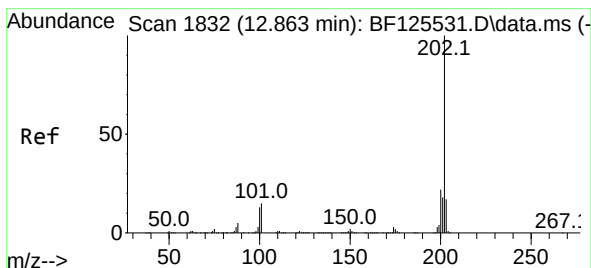
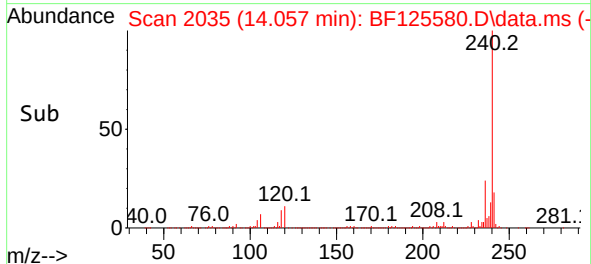
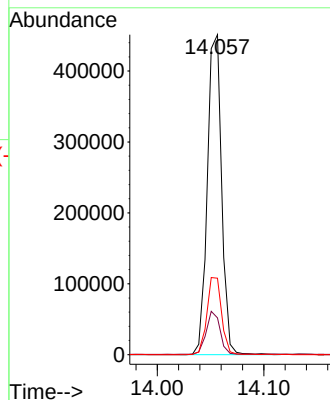
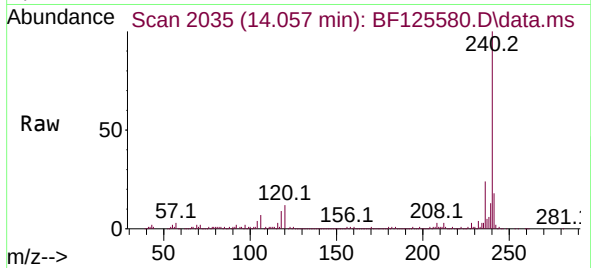




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

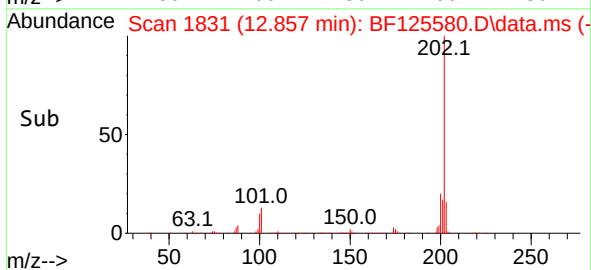
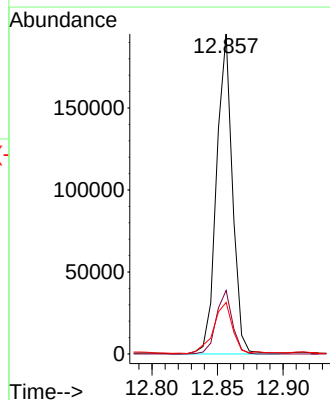
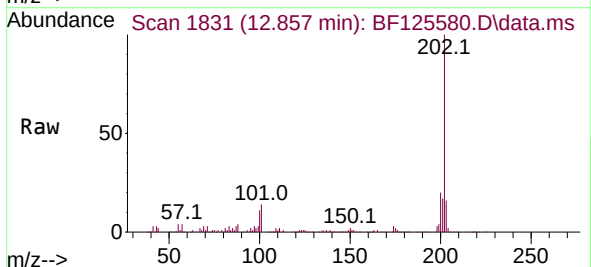
Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

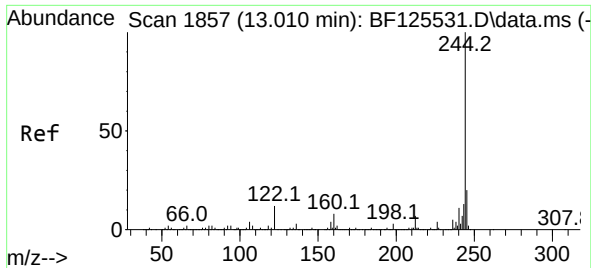
Tgt Ion:240 Resp: 421498
Ion Ratio Lower Upper
240 100
120 11.5 10.8 16.2
236 23.9 21.6 32.4



#78
Pyrene
Concen: 4.174 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

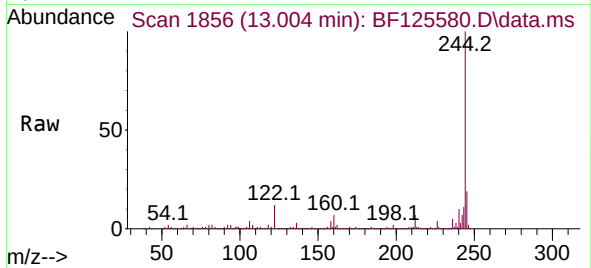
Tgt Ion:202 Resp: 164858
Ion Ratio Lower Upper
202 100
200 19.9 15.3 22.9
203 16.1 13.4 20.0



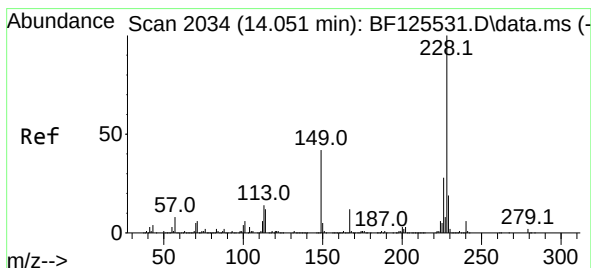
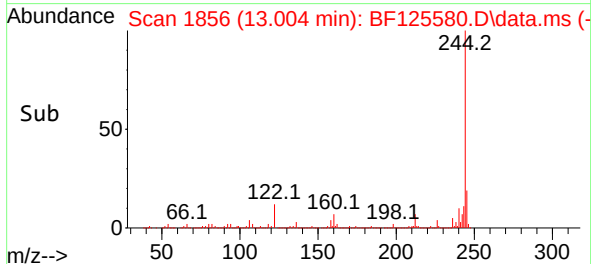
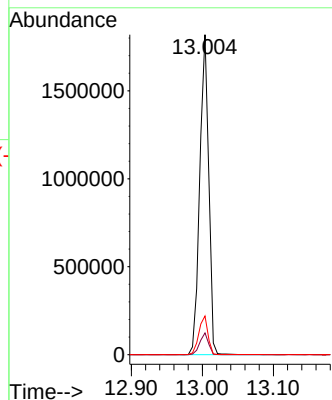


#79
Terphenyl-d14
Concen: 61.281 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

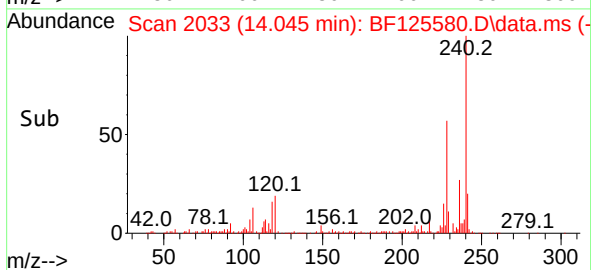
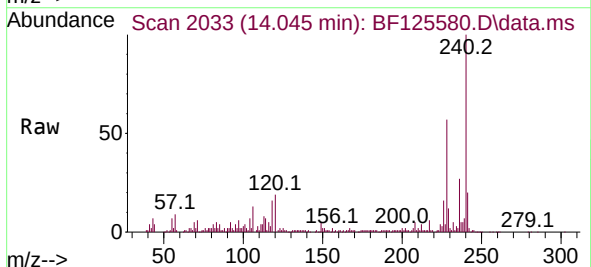
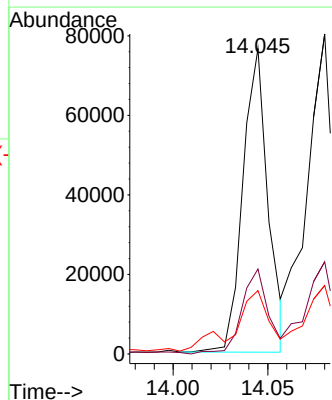


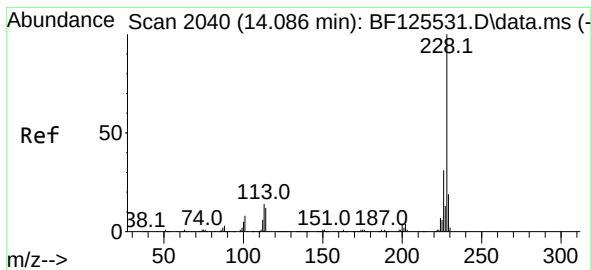
Tgt Ion:244 Resp: 1599549
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 12.1 9.0 13.4



#81
Benzo(a)anthracene
Concen: 2.447 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion:228 Resp: 70196
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 20.8 15.6 23.4





#83

Chrysene

Concen: 2.722 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF125580.D

Acq: 23 Sep 2021 2:35

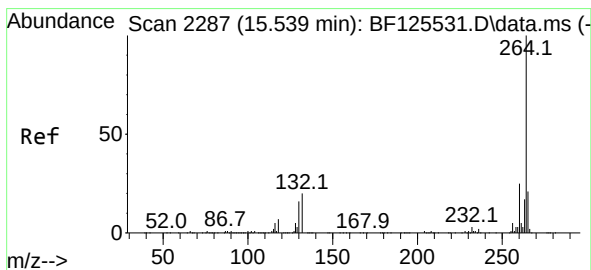
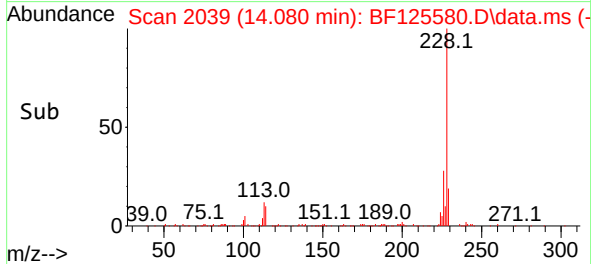
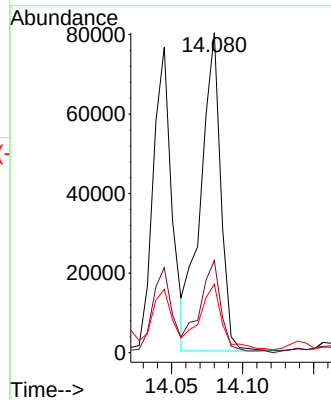
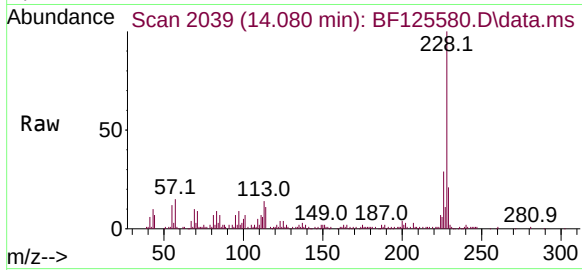
Tgt Ion:228	Resp:	78895
Ion Ratio	Lower	Upper
228	100	
226	28.8	22.6 34.0
229	21.4	15.9 23.9

Instrument :

BNA_F

ClientSampleId :

CONCRETE-SLAB



#86

Perylene-d12

Concen: 20.000 ng

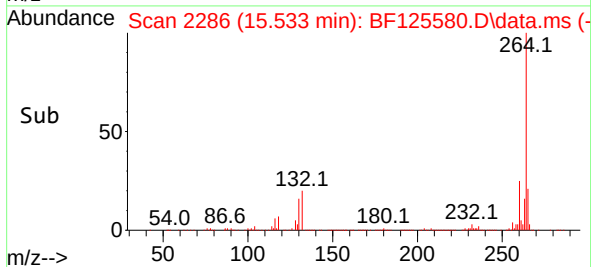
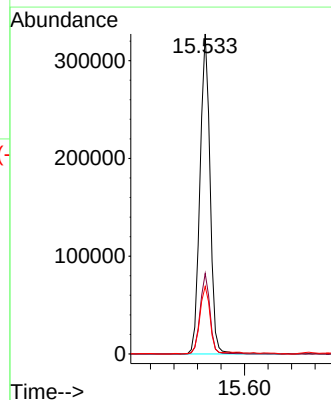
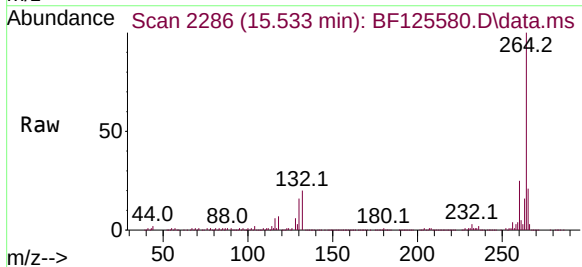
RT: 15.533 min Scan# 2286

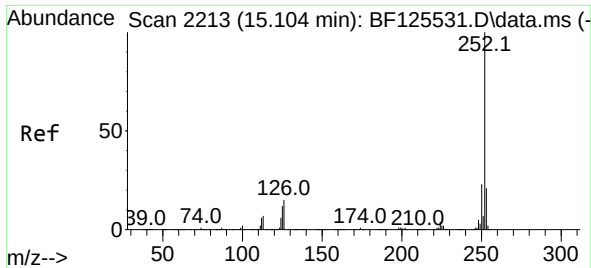
Delta R.T. -0.006 min

Lab File: BF125580.D

Acq: 23 Sep 2021 2:35

Tgt Ion:264	Resp:	388143
Ion Ratio	Lower	Upper
264	100	
260	25.2	19.6 29.4
265	21.1	17.2 25.8

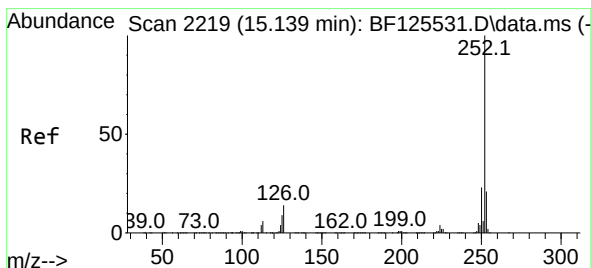
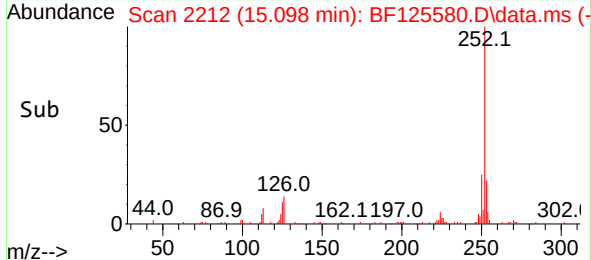
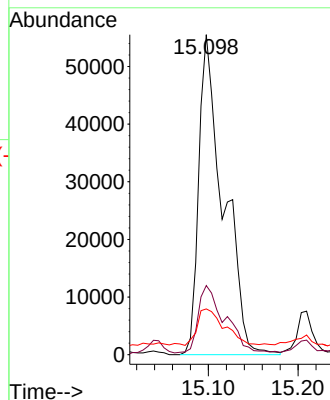
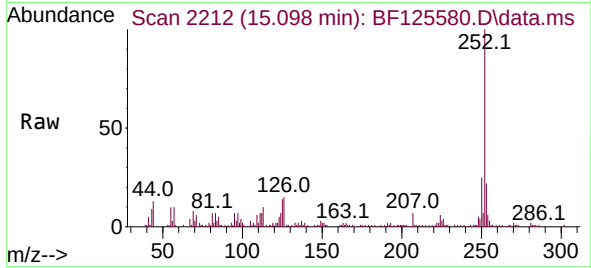




#88
Benzo(b)fluoranthene
Concen: 3.720 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Instrument :
BNA_F
ClientSampleId :
CONCRETE-SLAB

Tgt Ion:252 Resp: 105611
Ion Ratio Lower Upper
252 100
253 21.6 16.8 25.2
125 14.3 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 4.068 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.041 min
Lab File: BF125580.D
Acq: 23 Sep 2021 2:35

Tgt Ion:252 Resp: 105611
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 14.3 7.2 10.8#

