

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
 Data File : BF125845.D
 Acq On : 14 Oct 2021 15:27
 Operator : JU/CG
 Sample : M4191-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Quant Time: Oct 15 10:39:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 12:29:41 2021
 Response via : Initial Calibration

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

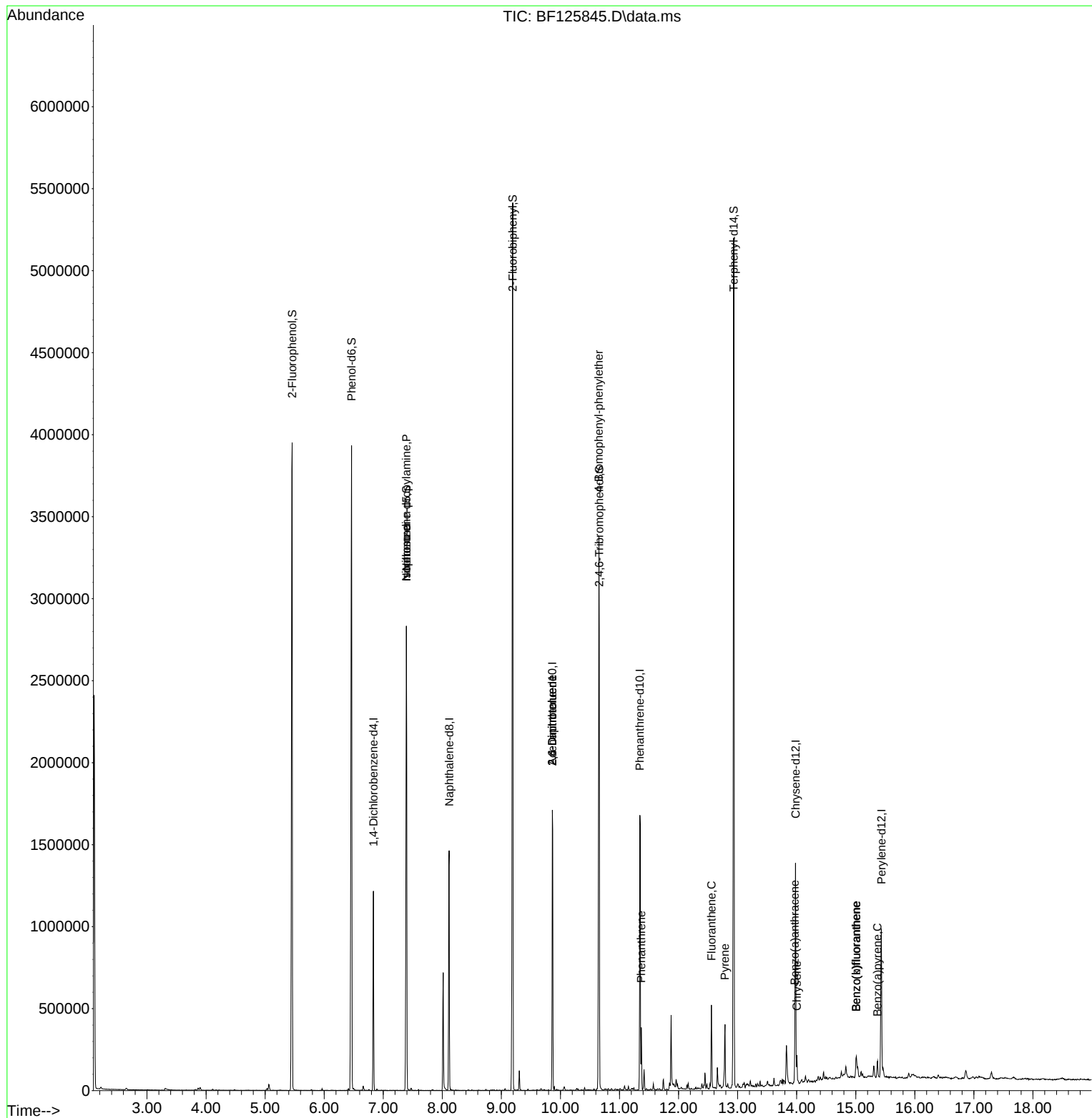
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	169927	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	695727	20.000	ng	#-0.01
39) Acenaphthene-d10	9.863	164	371303	20.000	ng	-0.02
64) Phenanthrene-d10	11.345	188	645016	20.000	ng	#-0.02
76) Chrysene-d12	13.980	240	397828	20.000	ng	-0.02
86) Perylene-d12	15.433	264	394957	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1377171	132.397	ng	0.00
7) Phenol-d6	6.463	99	1693811	126.492	ng	-0.01
23) Nitrobenzene-d5	7.392	82	1012499	90.462	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	467970	127.655	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	1879445	87.306	ng	-0.01
79) Terphenyl-d14	12.933	244	1898117	72.677	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	127663	18.060	ng	# 51
25) Isophorone	7.392	82	1007938	50.832	ng	# 59
51) 2,6-Dinitrotoluene	9.863	165	46812	9.475	ng	# 27
57) 2,4-Dinitrotoluene	9.863	165	46812	7.494	ng	# 19
67) 4-Bromophenyl-phenylether	10.651	248	27300	3.822	ng	# 1
71) Phenanthrene	11.368	178	129957	3.766	ng	99
75) Fluoranthene	12.557	202	175318	5.630	ng	96
78) Pyrene	12.786	202	150100	3.714	ng	98
81) Benzo(a)anthracene	13.968	228	62992	2.441	ng	99
83) Chrysene	14.004	228	57608	2.258	ng	97
88) Benzo(b)fluoranthene	15.009	252	92761	4.160	ng	98
89) Benzo(k)fluoranthene	15.009	252	92761	4.052	ng	# 96
90) Benzo(a)pyrene	15.368	252	47446	2.403	ng	98

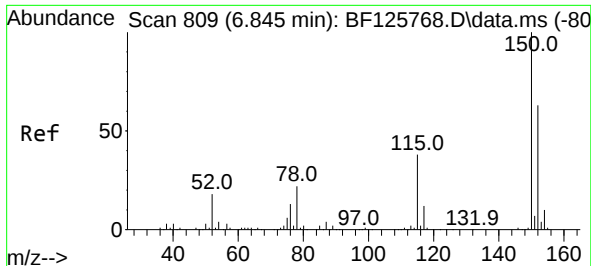
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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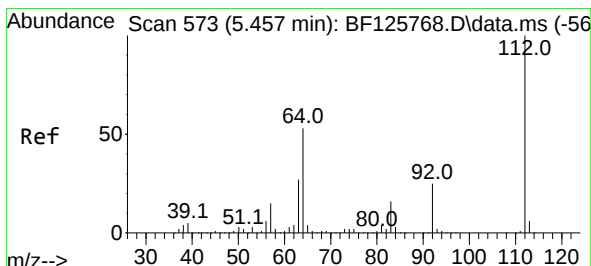
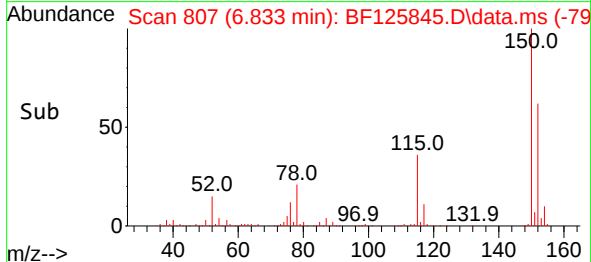
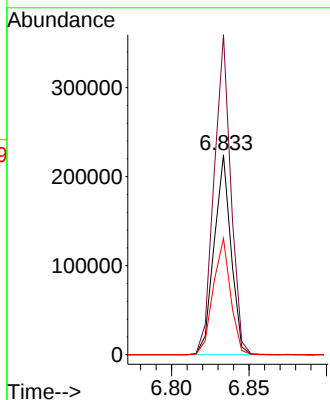
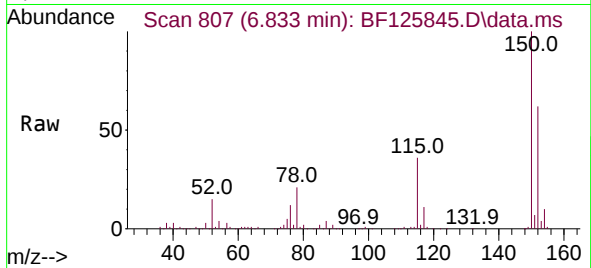




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

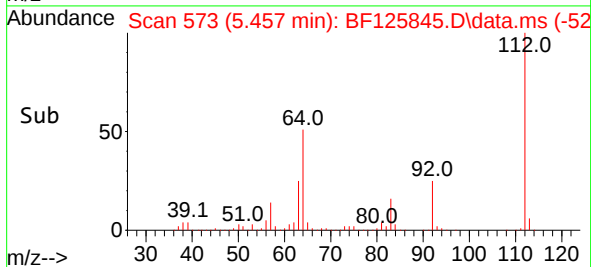
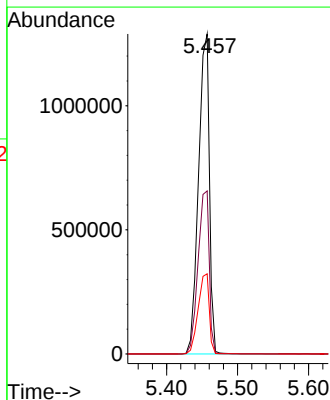
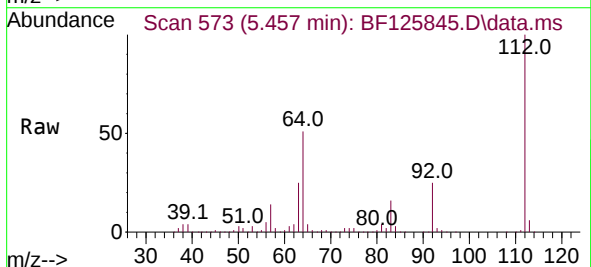
Instrument :
BNA_F
ClientSampleId :
COMP-6

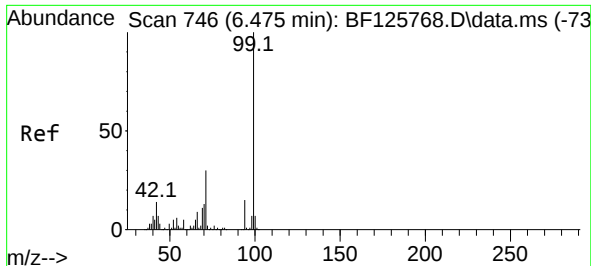
Tgt Ion:152 Resp: 169927
Ion Ratio Lower Upper
152 100
150 160.2 117.6 176.4
115 58.2 47.1 70.7



#5
2-Fluorophenol
Concen: 132.397 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:112 Resp: 1377171
Ion Ratio Lower Upper
112 100
64 51.0 44.2 66.2
63 25.1 26.2 39.2#

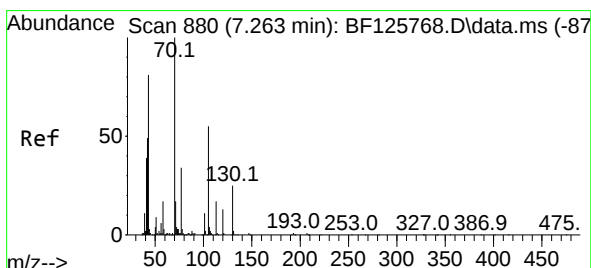
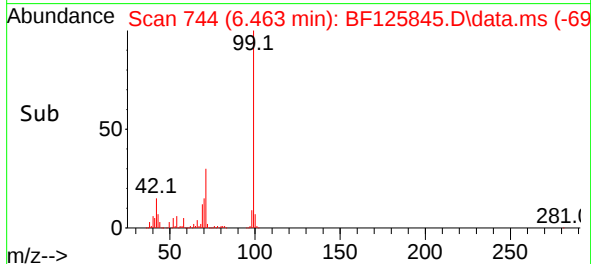
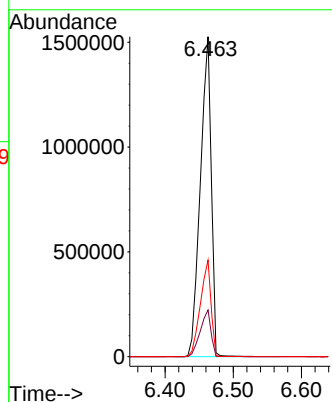
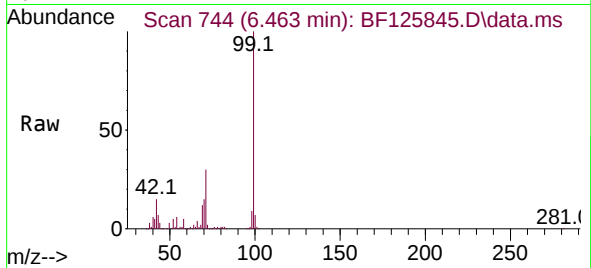




#7
Phenol-d6
Concen: 126.492 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

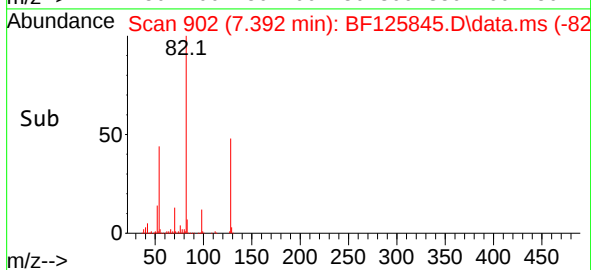
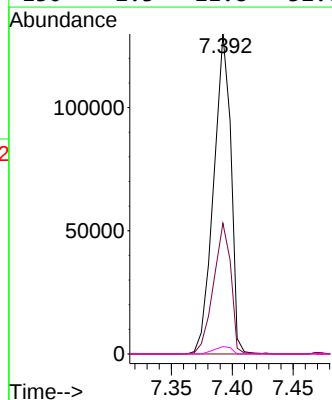
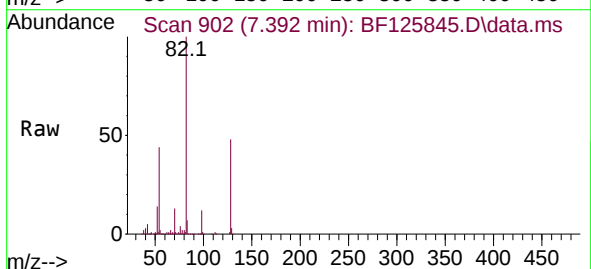
Instrument :
BNA_F
ClientSampleId :
COMP-6

Tgt Ion: 99 Resp: 1693811
Ion Ratio Lower Upper
99 100
42 14.6 23.5 35.3#
71 30.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.060 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.129 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion: 70 Resp: 127663
Ion Ratio Lower Upper
70 100
42 40.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

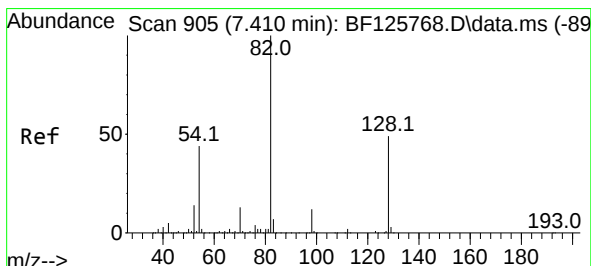
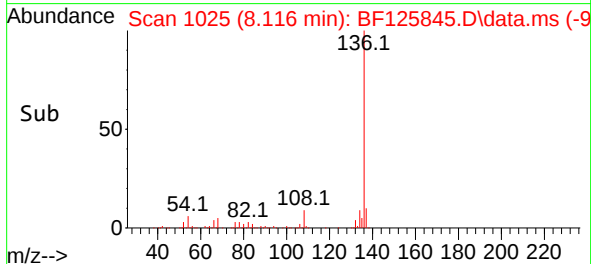
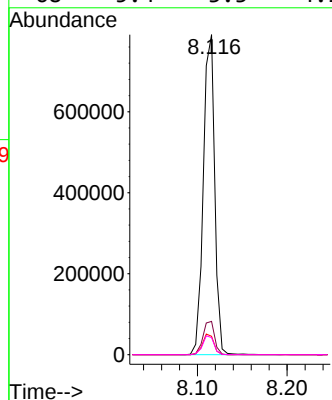
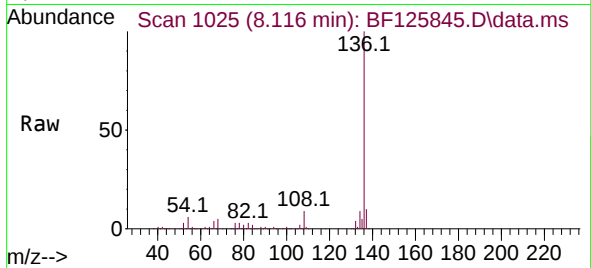




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

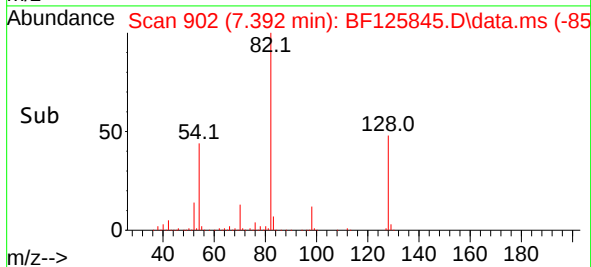
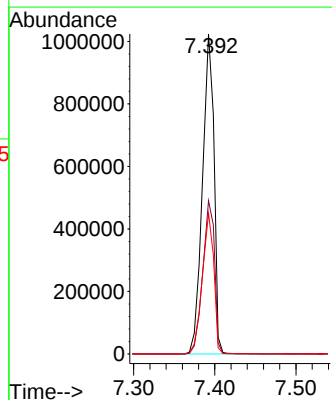
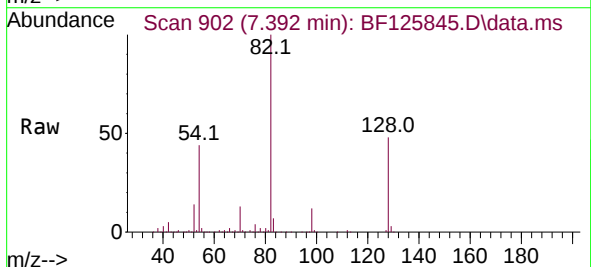
Instrument :
BNA_F
ClientSampleId :
COMP-6

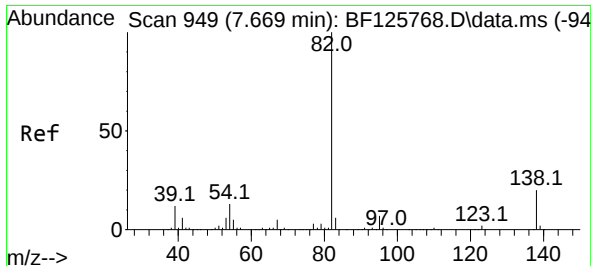
Tgt Ion:136	Resp: 695727
Ion Ratio	Lower Upper
136 100	
137 10.4	9.8 14.6
54 5.8	6.4 9.6#
68 5.4	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 90.462 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion: 82	Resp: 1012499
Ion Ratio	Lower Upper
82 100	
128 47.9	40.6 60.8
54 44.0	49.6 74.4#

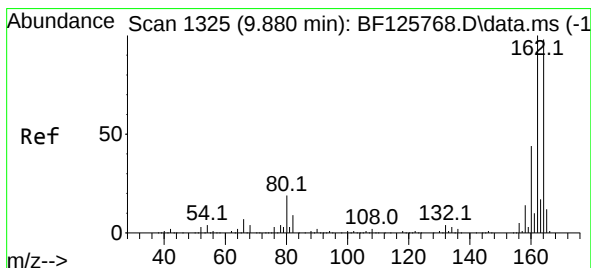
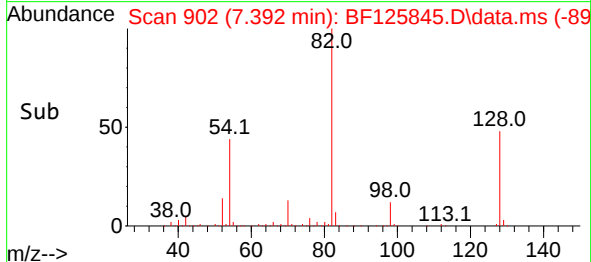
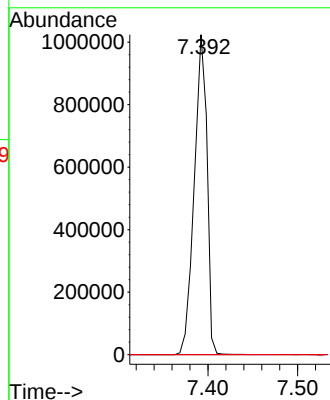
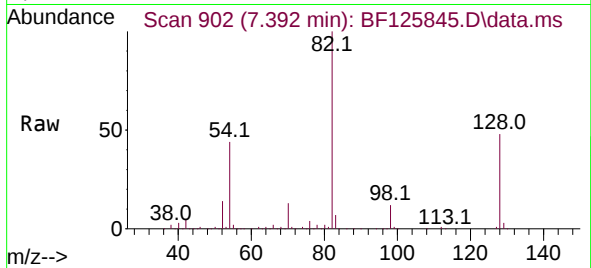




#25
Isophorone
Concen: 50.832 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.277 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

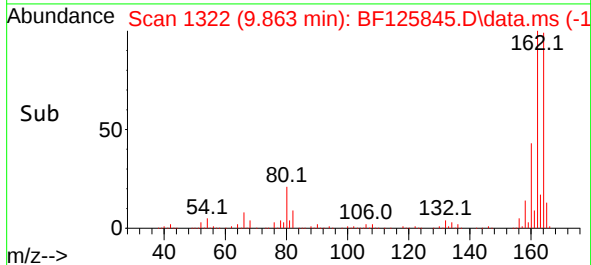
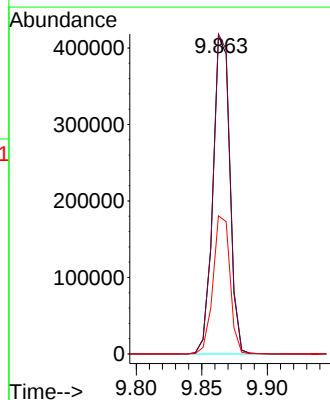
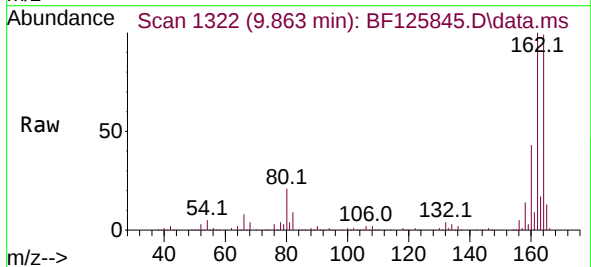
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BNA_F
ClientSampleId :
COMP-6

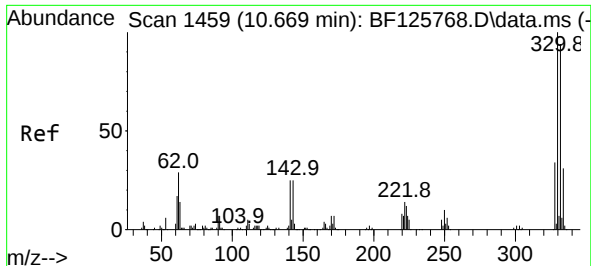
Tgt Ion: 82 Resp: 1007938
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion: 164 Resp: 371303
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 43.4 38.0 57.0

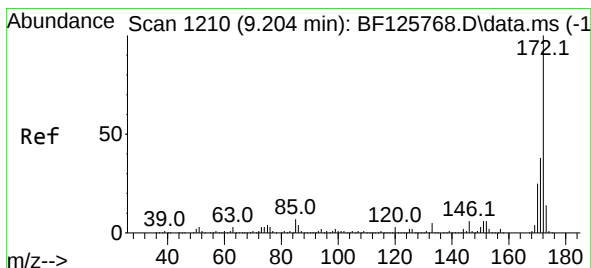
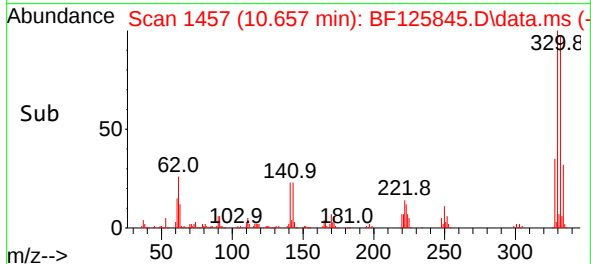
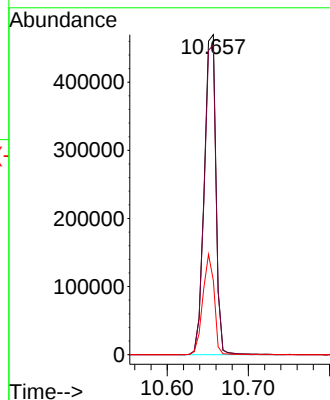
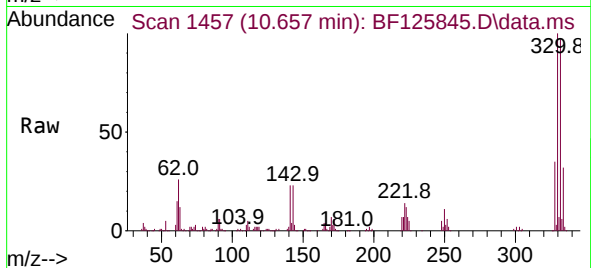




#42
2,4,6-Tribromophenol
Concen: 127.655 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

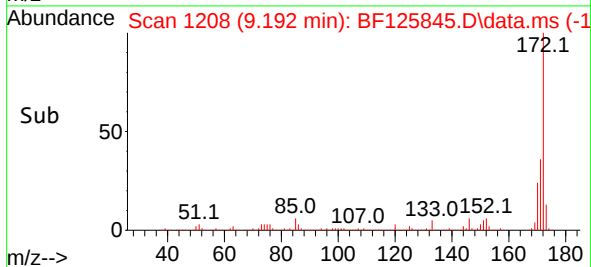
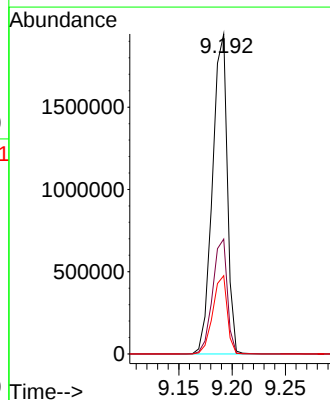
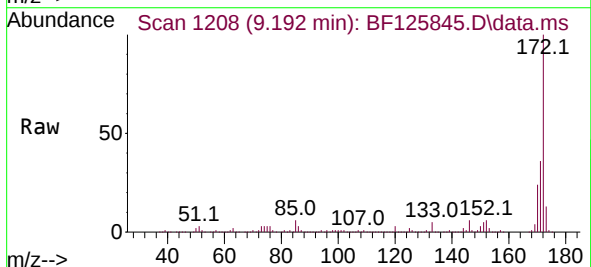
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ClientSampleId :
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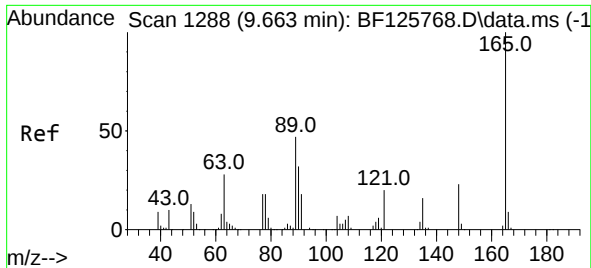
Tgt Ion:330 Resp: 467970
Ion Ratio Lower Upper
330 100
332 97.6 76.2 114.4
141 30.5 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 87.306 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:172 Resp: 1879445
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 24.5 18.8 28.2

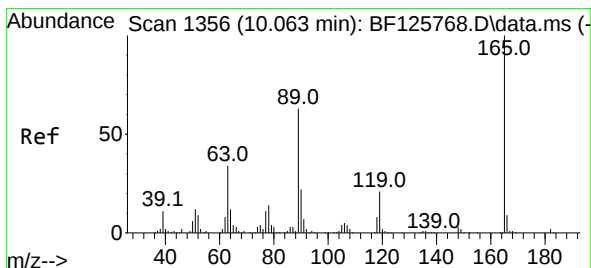
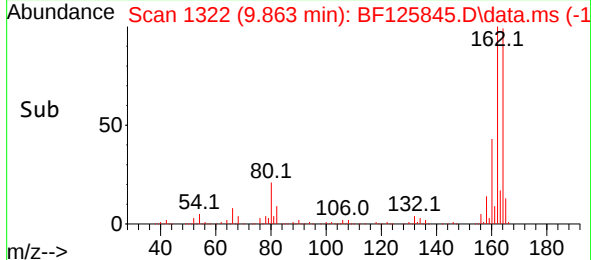
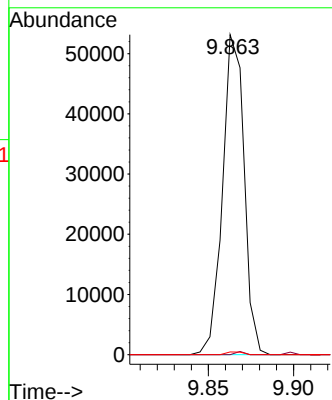
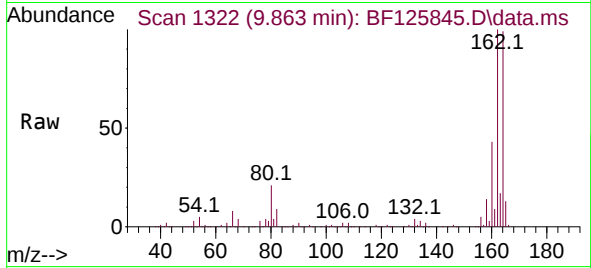




#51
2,6-Dinitrotoluene
Concen: 9.475 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.200 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

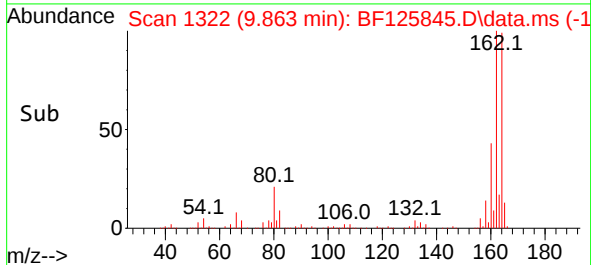
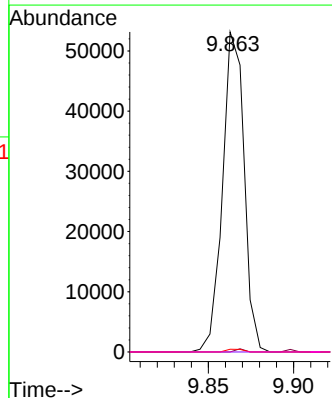
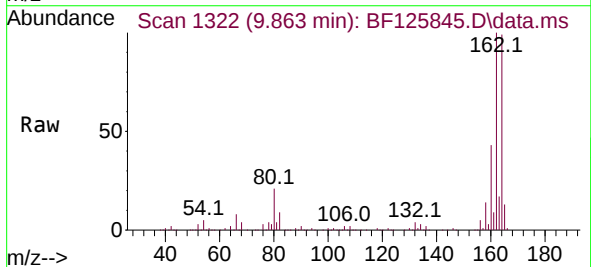
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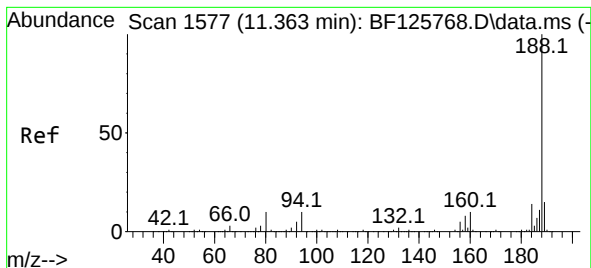
Tgt Ion:165 Resp: 46812
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.9 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.494 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:165 Resp: 46812
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.9 59.7 89.5#
182 0.0 0.0 0.0

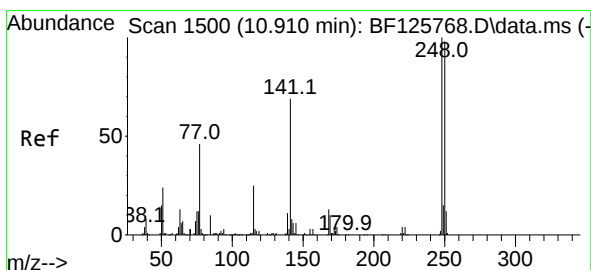
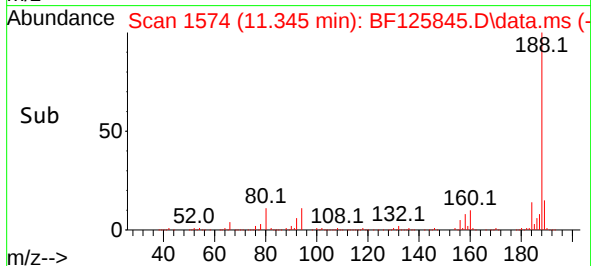
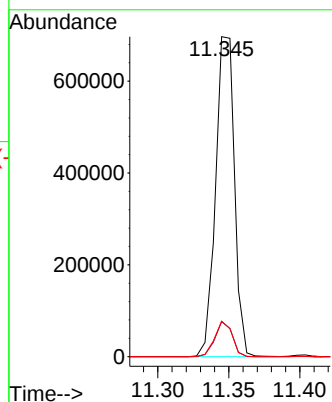
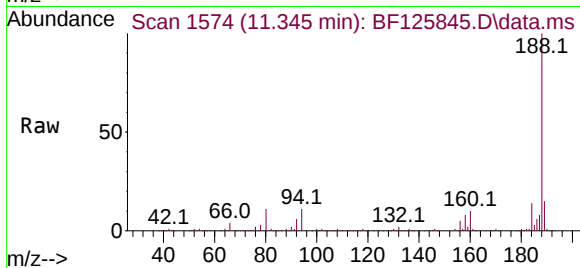




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

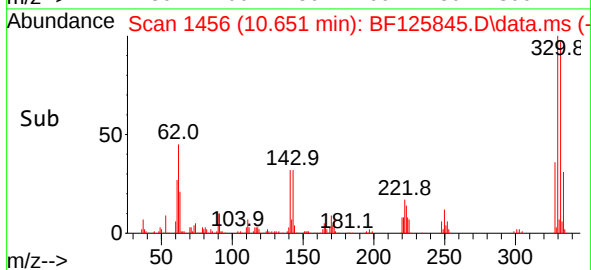
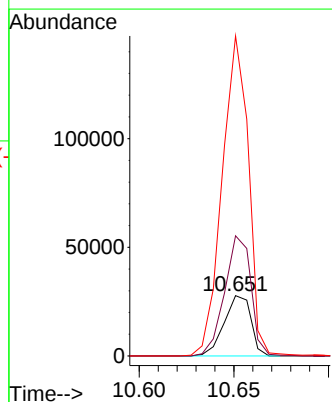
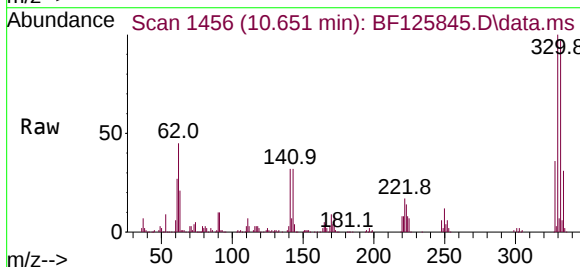
Instrument :
BNA_F
ClientSampled :
COMP-6

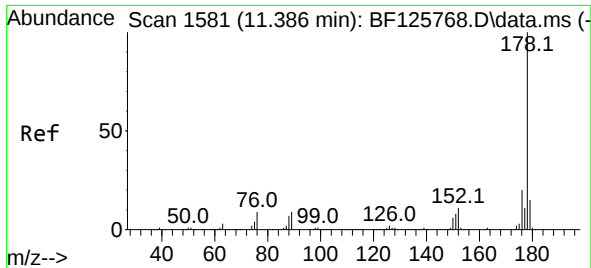
Tgt Ion:188 Resp: 645016
Ion Ratio Lower Upper
188 100
94 11.0 6.7 10.1#
80 11.1 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.822 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.259 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:248 Resp: 27300
Ion Ratio Lower Upper
248 100
250 199.4 74.2 111.4#
141 531.1 60.4 90.6#

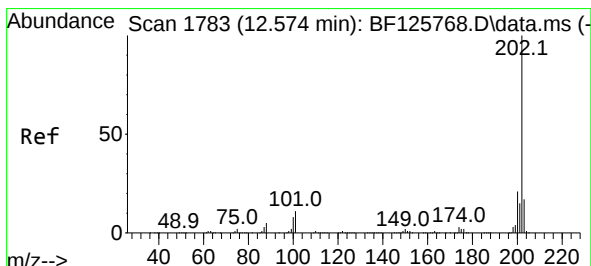
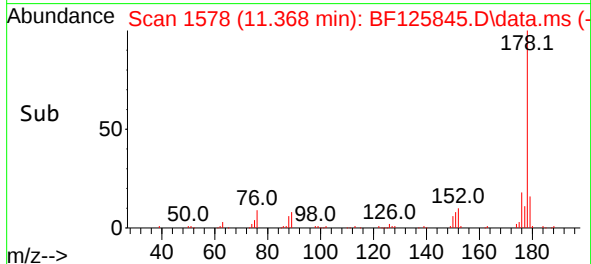
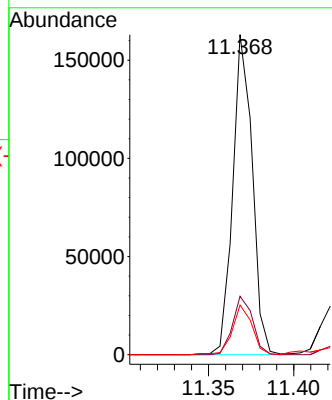
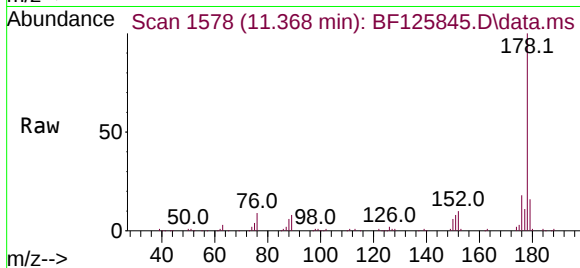




#71
Phenanthrene
Concen: 3.766 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.024 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

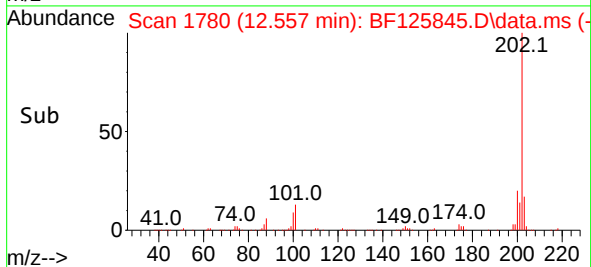
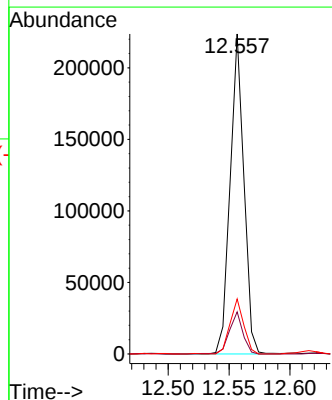
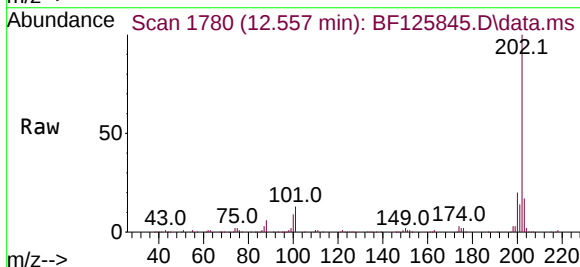
Instrument :
BNA_F
ClientSampleId :
COMP-6

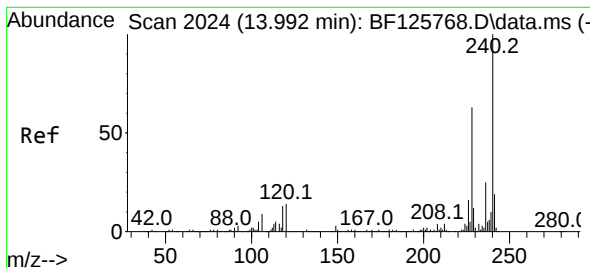
Tgt Ion:178 Resp: 129957
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.5 11.5 17.3



#75
Fluoranthene
Concen: 5.630 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:202 Resp: 175318
Ion Ratio Lower Upper
202 100
101 13.1 0.0 30.7
203 17.2 0.0 36.3

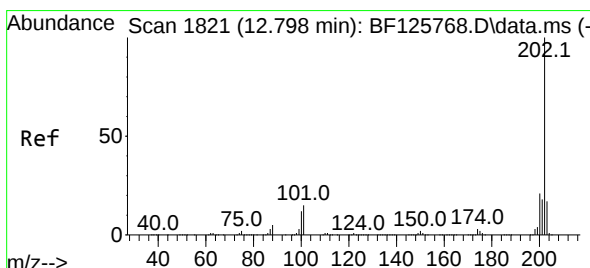
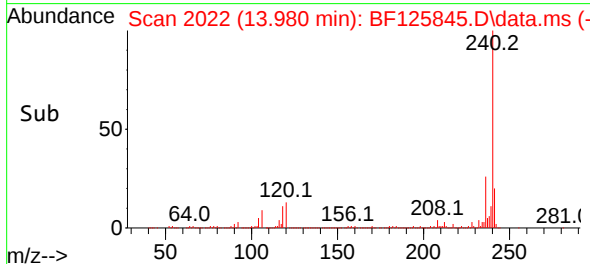
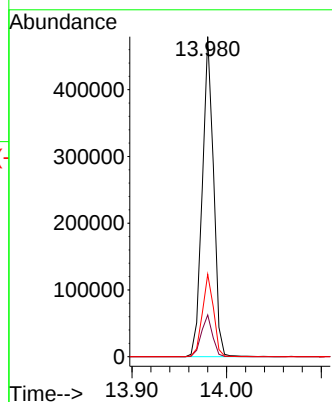
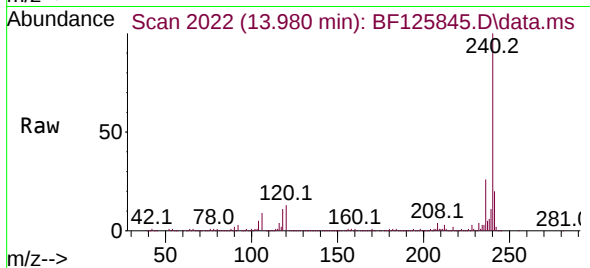




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

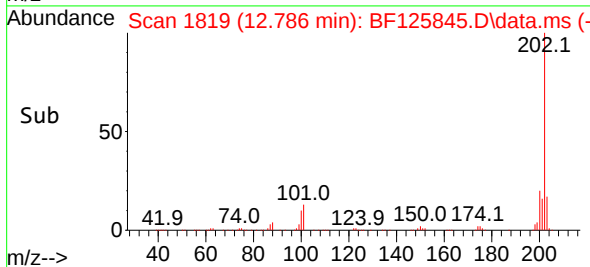
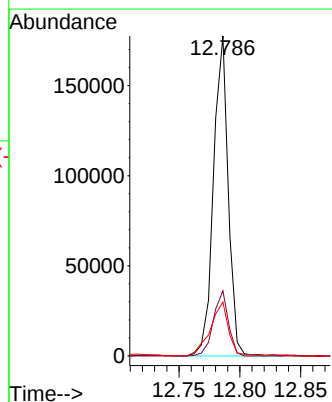
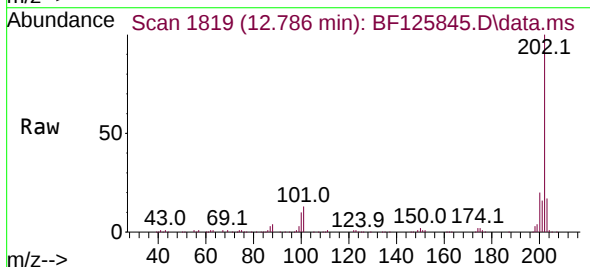
Instrument :
BNA_F
ClientSampled :
COMP-6

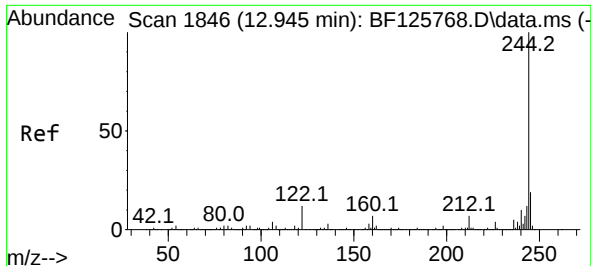
Tgt Ion:240 Resp: 397828
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 25.7 21.6 32.4



#78
Pyrene
Concen: 3.714 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

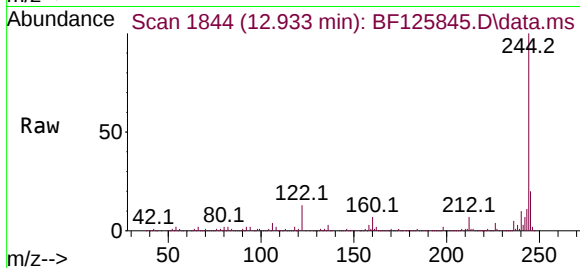
Tgt Ion:202 Resp: 150100
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 16.8 13.4 20.0



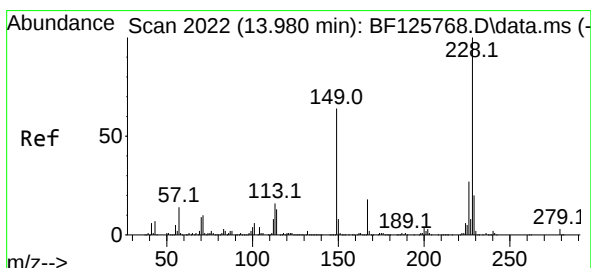
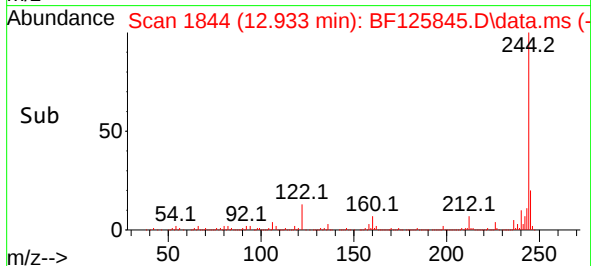
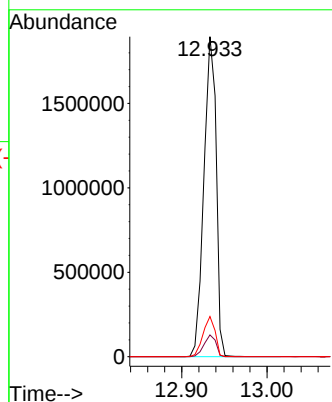


#79
 Terphenyl-d14
 Concen: 72.677 ng
 RT: 12.933 min Scan# 1844
 Delta R.T. -0.012 min
 Lab File: BF125845.D
 Acq: 14 Oct 2021 15:27

Instrument :
 BNA_F
 ClientSampled :
 COMP-6

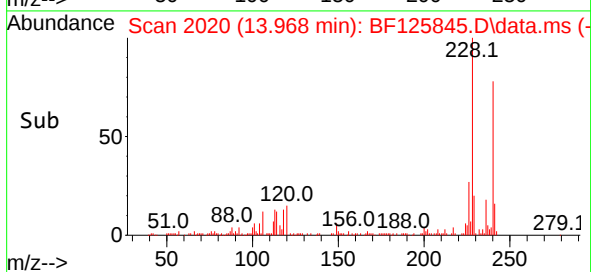
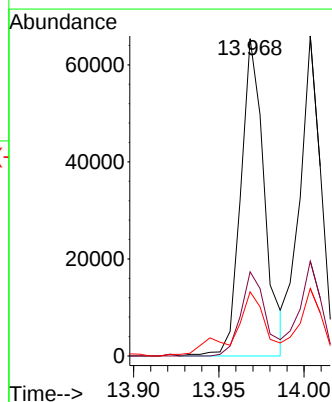
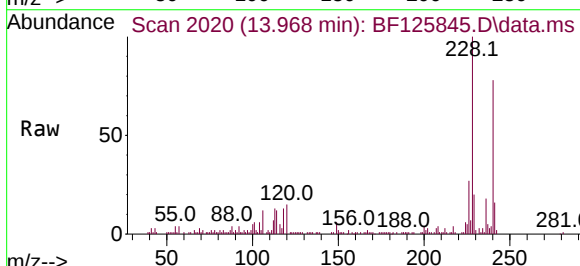


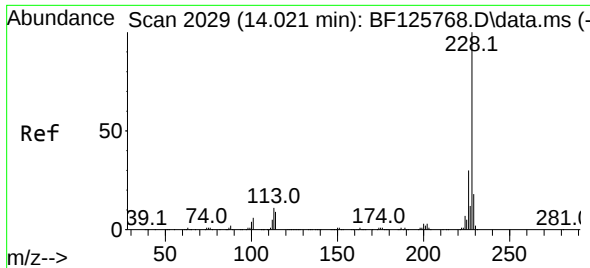
Tgt Ion:244 Resp: 1898117
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 12.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.441 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.018 min
 Lab File: BF125845.D
 Acq: 14 Oct 2021 15:27

Tgt Ion:228 Resp: 62992
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 20.2 15.6 23.4

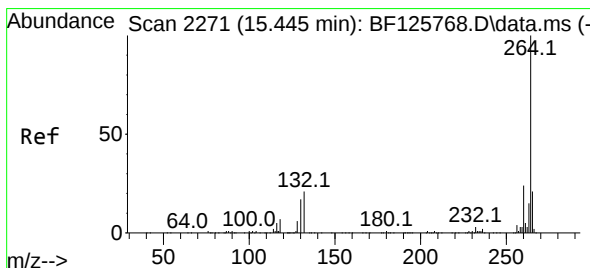
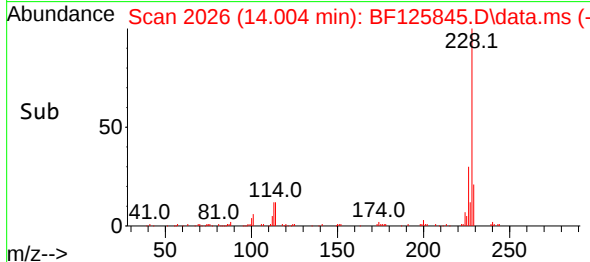
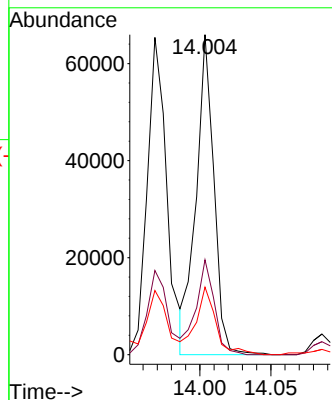
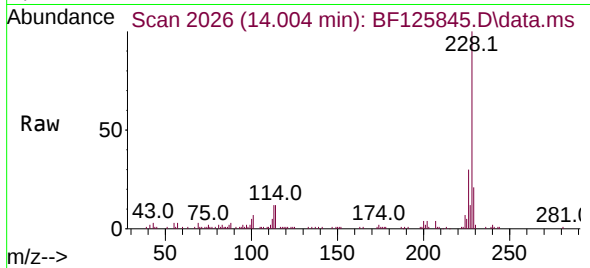




#83
Chrysene
Concen: 2.258 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.024 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

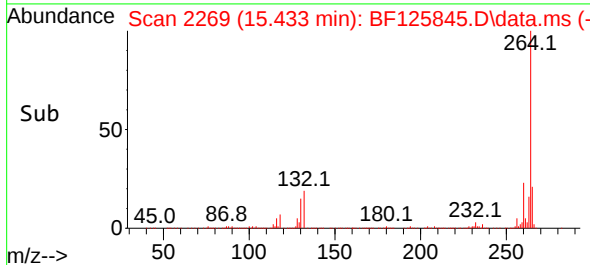
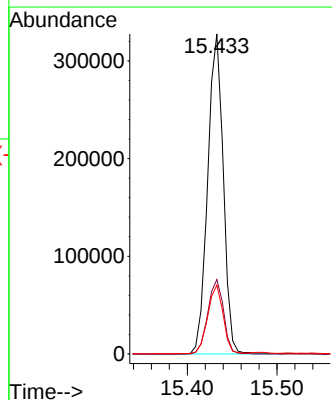
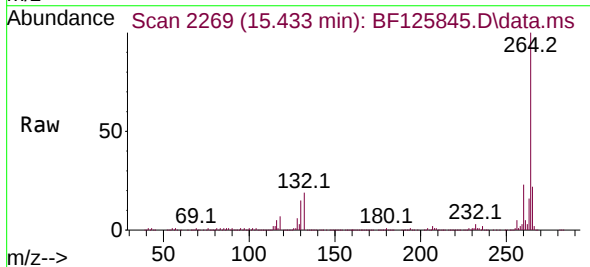
Instrument :
BNA_F
ClientSampleId :
COMP-6

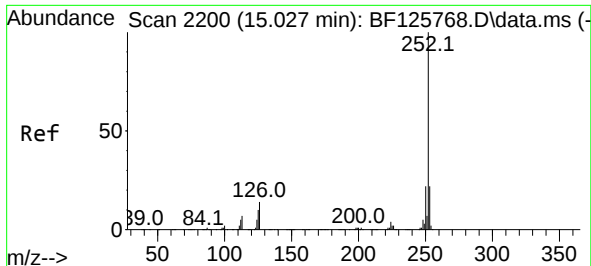
Tgt Ion:228	Resp: 57608
Ion Ratio	Lower Upper
228	100
226	29.6 22.6 34.0
229	21.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:264	Resp: 394957
Ion Ratio	Lower Upper
264	100
260	23.2 19.6 29.4
265	21.5 17.2 25.8

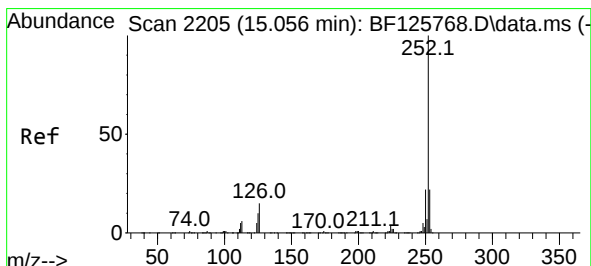
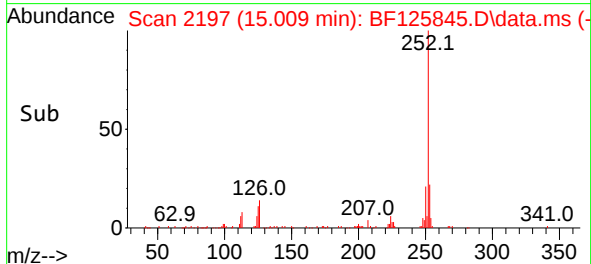
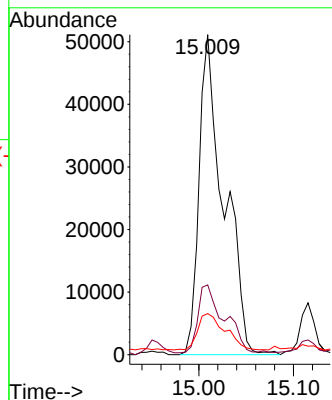
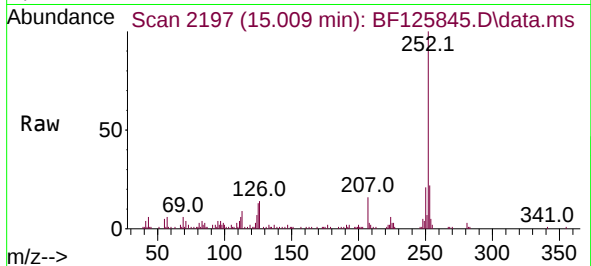




#88
Benzo(b)fluoranthene
Concen: 4.160 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

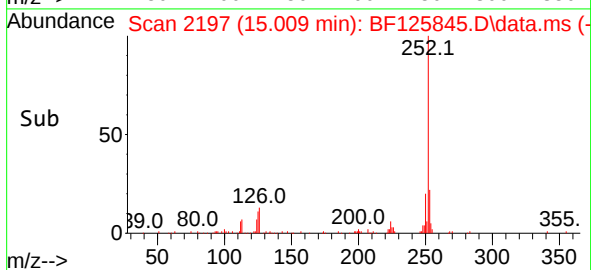
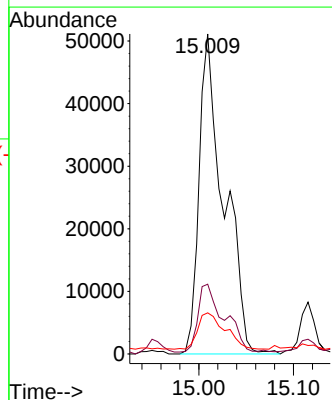
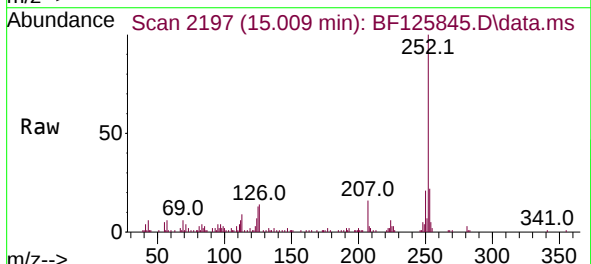
Instrument :
BNA_F
ClientSampleId :
COMP-6

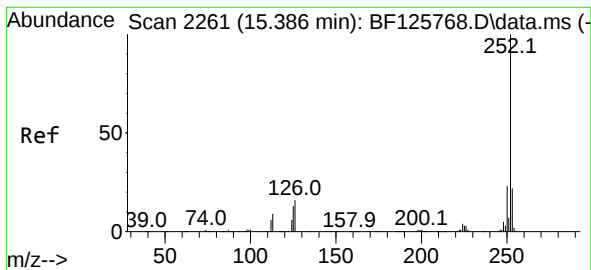
Tgt Ion:252 Resp: 92761
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 12.8 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 4.052 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.053 min
Lab File: BF125845.D
Acq: 14 Oct 2021 15:27

Tgt Ion:252 Resp: 92761
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 12.8 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 2.403 ng
 RT: 15.368 min Scan# 2258
 Delta R.T. -0.024 min
 Lab File: BF125845.D
 Acq: 14 Oct 2021 15:27

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Tgt Ion:252 Resp: 47446
 Ion Ratio Lower Upper
 252 100
 253 21.8 18.4 27.6
 125 12.4 9.9 14.9

