

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142404.D
 Acq On : 15 May 2025 21:05
 Operator : RC/JU
 Sample : Q2022-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: May 16 01:09:44 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)

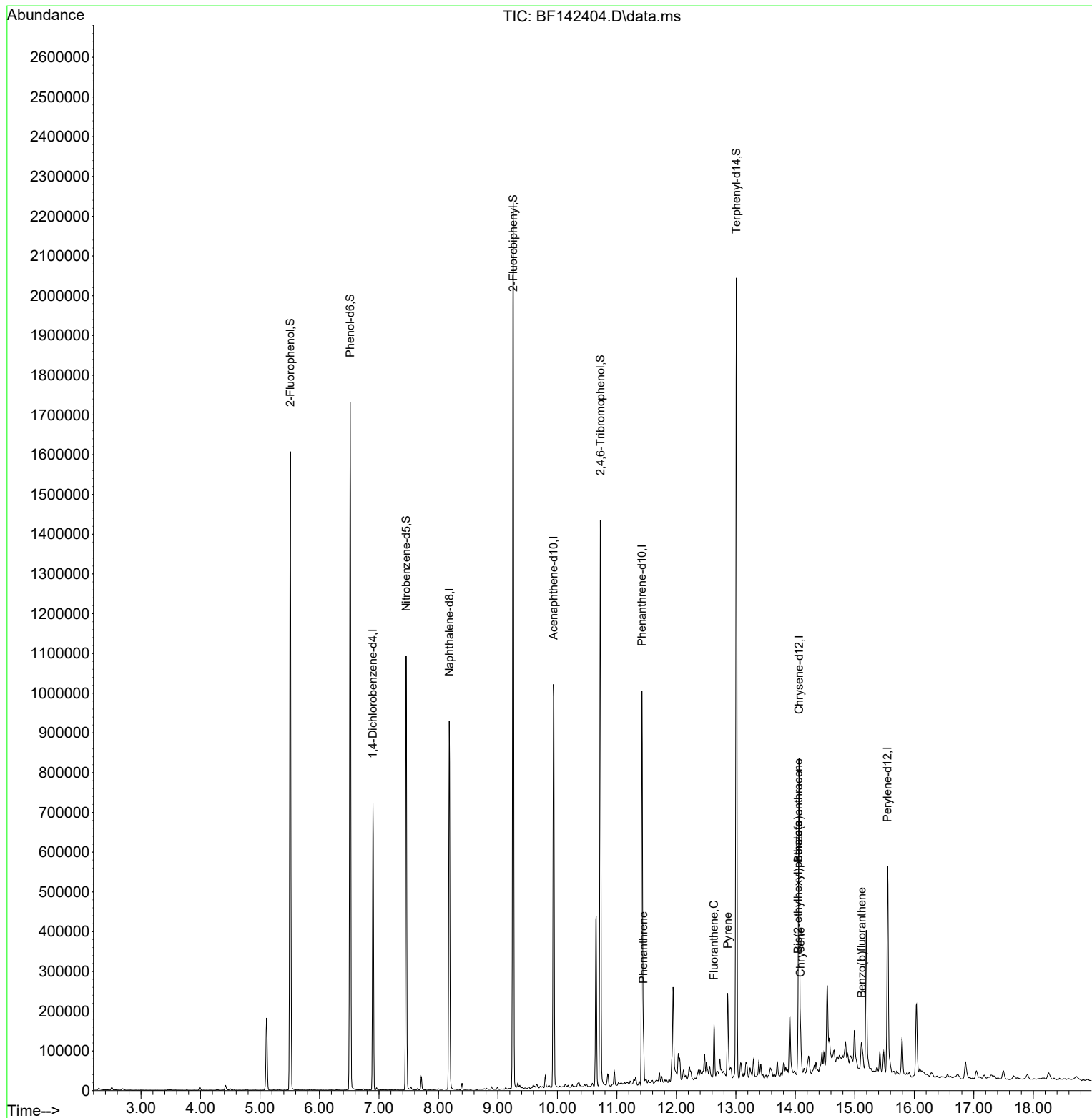
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	156558	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	584993	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	313171	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	506903	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	354178	20.000	ng	0.00
86) Perylene-d12	15.551	264	301909	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	602202	65.663	ng	0.00
7) Phenol-d6	6.516	99	800395	70.958	ng	0.00
23) Nitrobenzene-d5	7.457	82	448341	46.741	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	258265	85.416	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	990403	45.093	ng	0.00
79) Terphenyl-d14	13.010	244	965773	40.360	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	63995	2.408	ng	97
75) Fluoranthene	12.633	202	67795	2.552	ng	99
78) Pyrene	12.863	202	119119	3.779	ng	98
81) Benzo(a)anthracene	14.051	228	47198m	2.058	ng	
83) Chrysene	14.086	228	62147	2.911	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	14211	5.318	ng	97
88) Benzo(b)fluoranthene	15.116	252	44445m	2.431	ng	

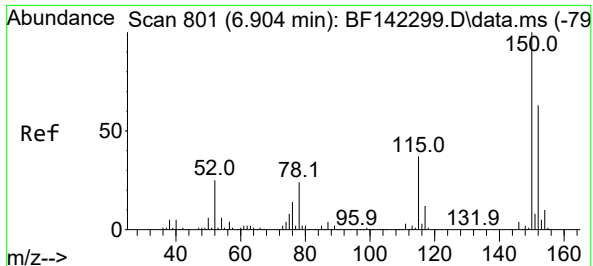
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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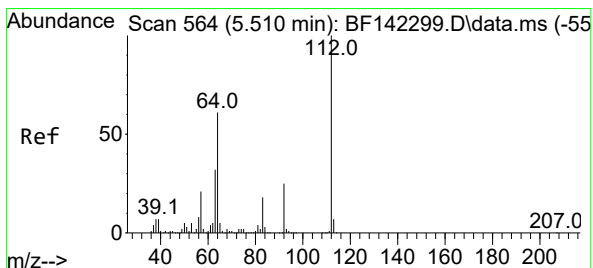
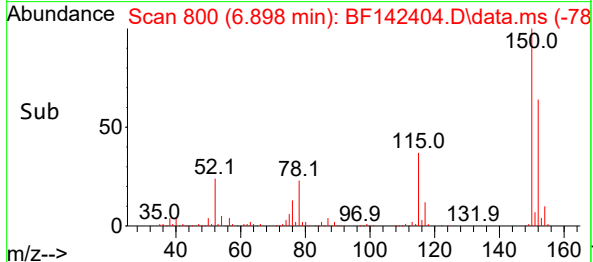
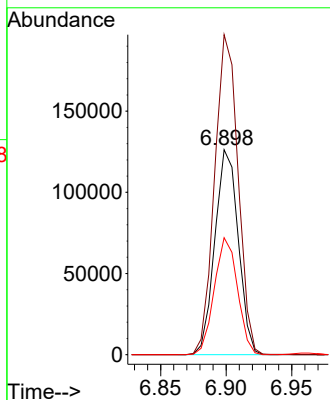
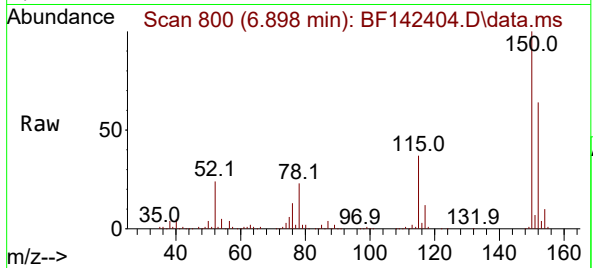




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

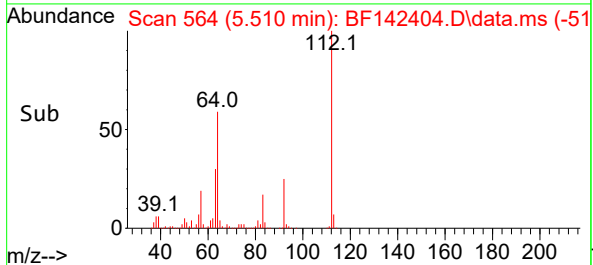
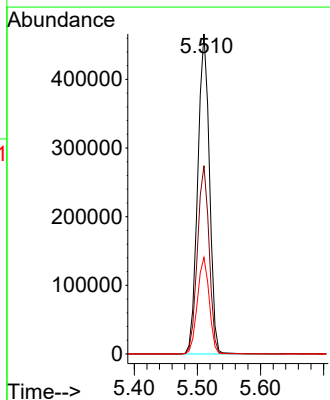
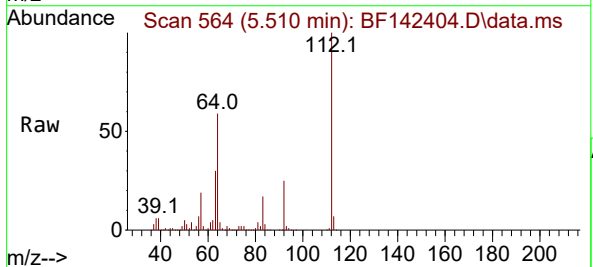
Instrument :
BNA_F
ClientSampleId :
COMP-1

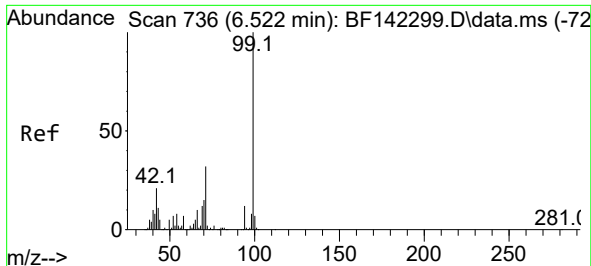
Tgt Ion:152 Resp: 156558
Ion Ratio Lower Upper
152 100
150 156.2 126.6 190.0
115 57.0 47.3 70.9



#5
2-Fluorophenol
Concen: 65.663 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:112 Resp: 602202
Ion Ratio Lower Upper
112 100
64 58.8 48.9 73.3
63 30.2 25.6 38.4

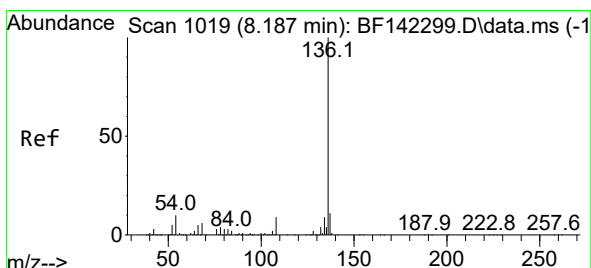
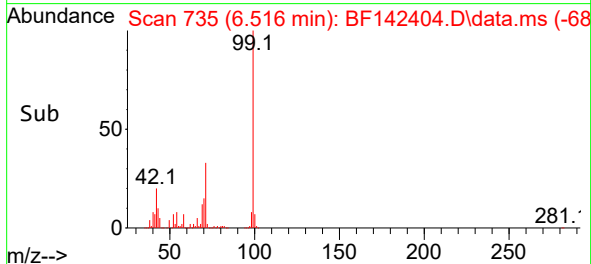
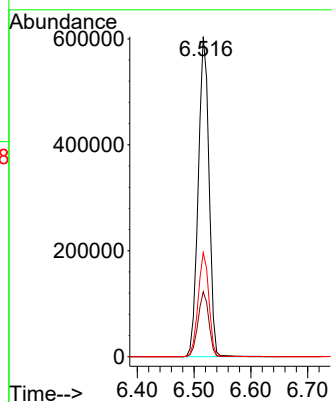
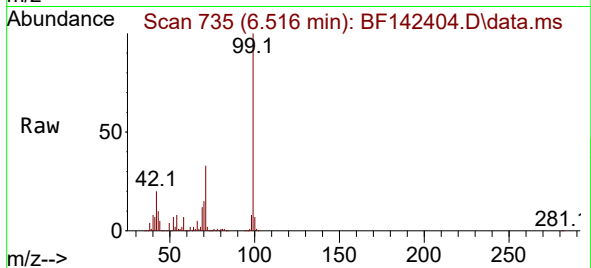




#7
Phenol-d6
Concen: 70.958 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

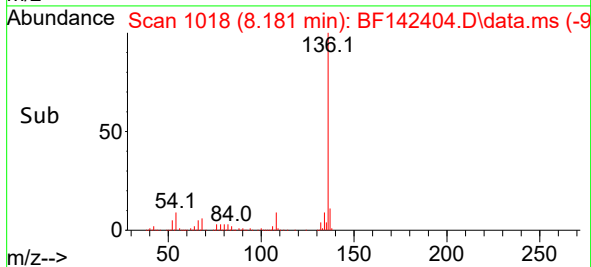
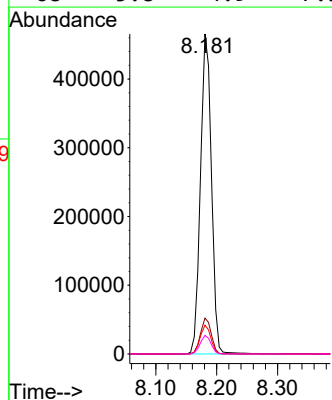
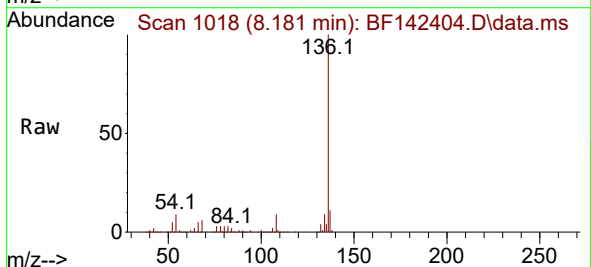
Instrument :
BNA_F
ClientSampleId :
COMP-1

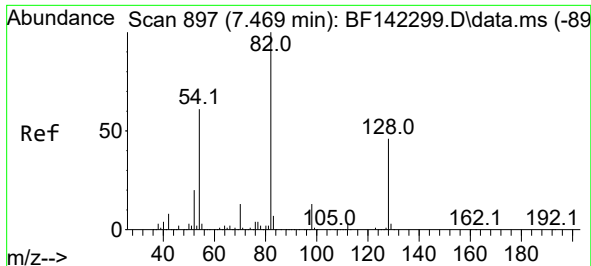
Tgt Ion: 99 Resp: 800395
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion: 136 Resp: 584993
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.0 7.7 11.5
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 46.741 ng

RT: 7.457 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

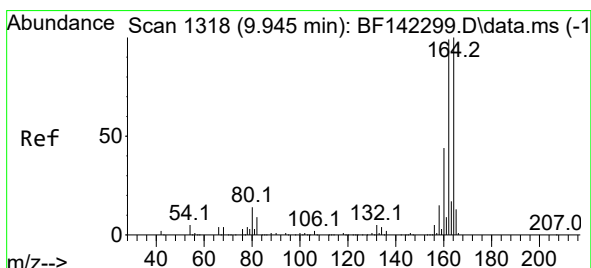
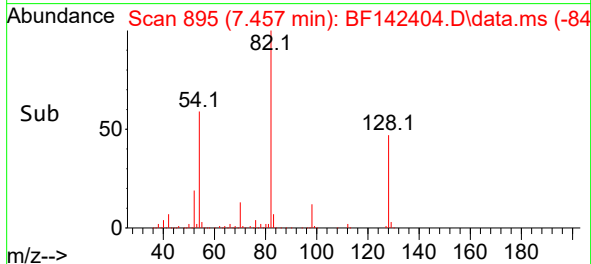
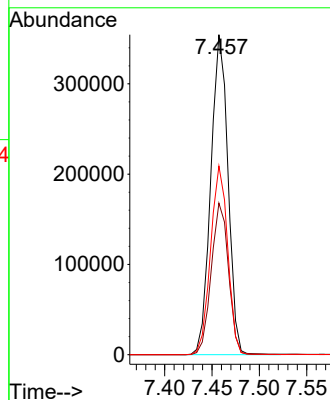
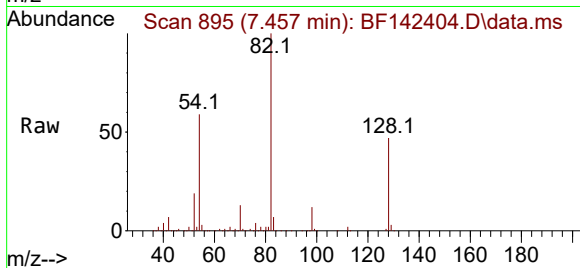
BNA_F

ClientSampleId :

COMP-1

Tgt Ion: 82 Resp: 448341

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.6
54	58.9	48.6	73.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

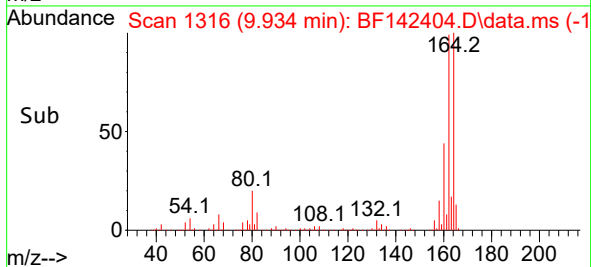
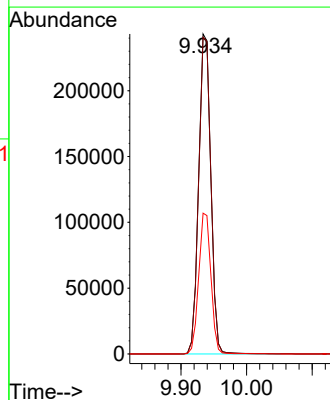
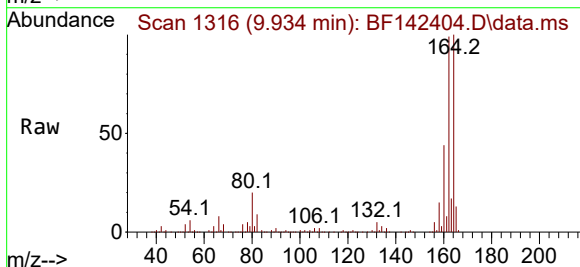
Delta R.T. -0.011 min

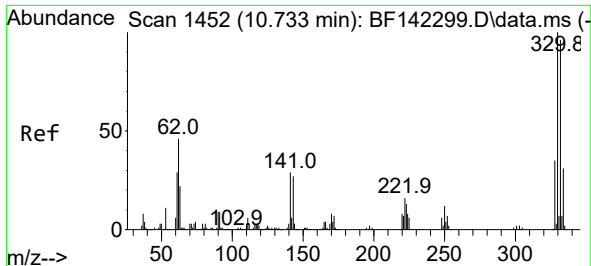
Lab File: BF142404.D

Acq: 15 May 2025 21:05

Tgt Ion: 164 Resp: 313171

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.2	118.8
160	44.0	35.3	52.9

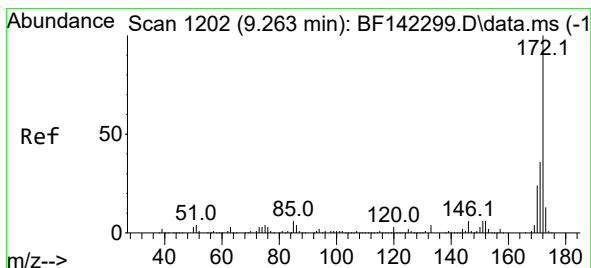
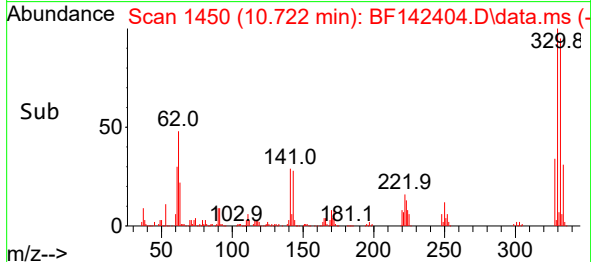
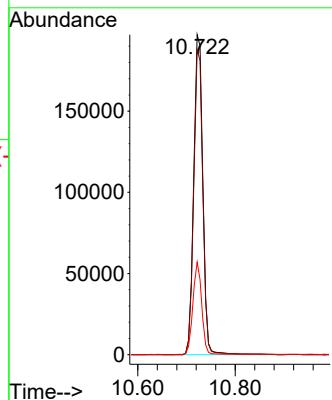
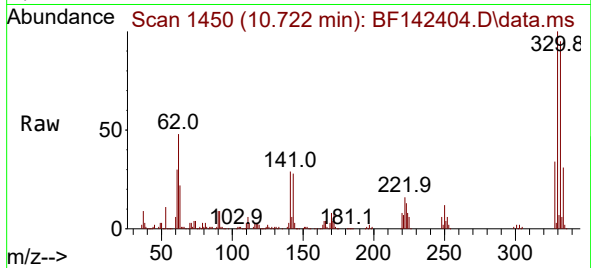




#42
2,4,6-Tribromophenol
Concen: 85.416 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

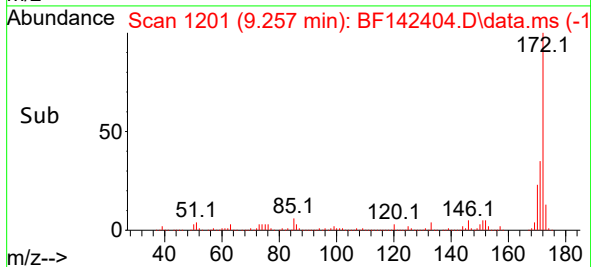
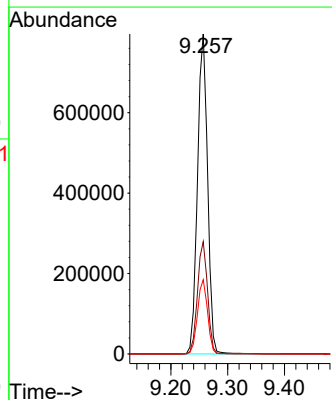
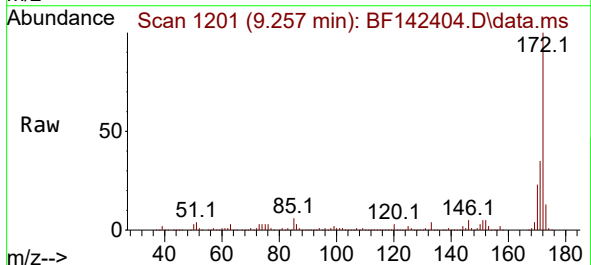
Instrument :
BNA_F
ClientSampleId :
COMP-1

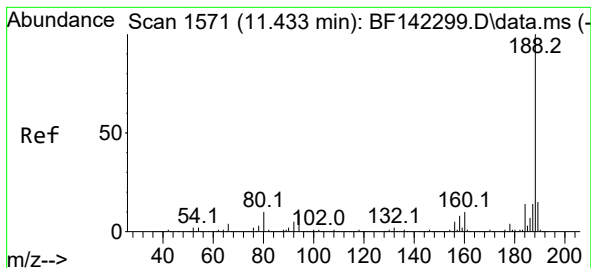
Tgt Ion:330 Resp: 258265
Ion Ratio Lower Upper
330 100
332 95.1 76.8 115.2
141 28.2 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 45.093 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:172 Resp: 990403
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

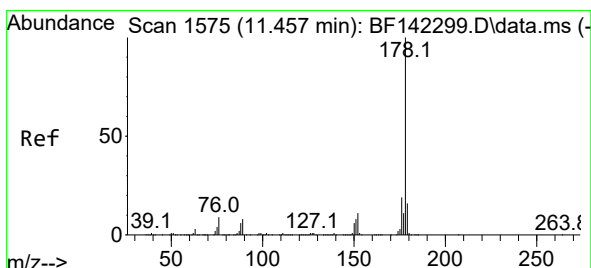
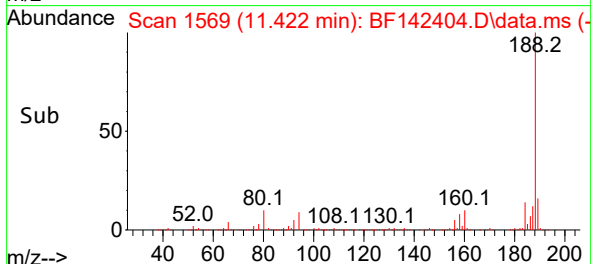
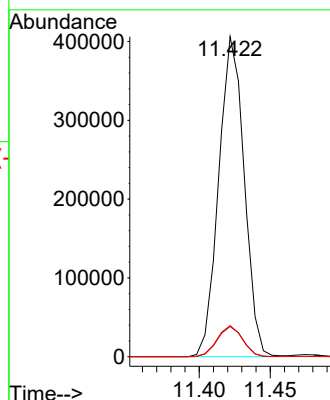
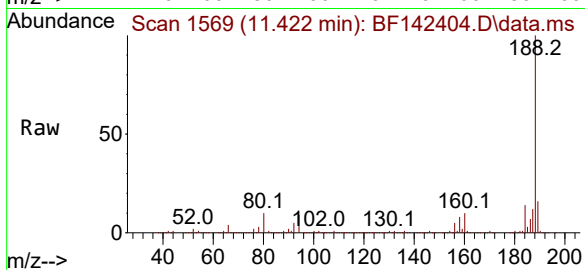
Tgt Ion:188 Resp: 506903

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 9.7 7.9 11.9



#71

Phenanthrene

Concen: 2.408 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

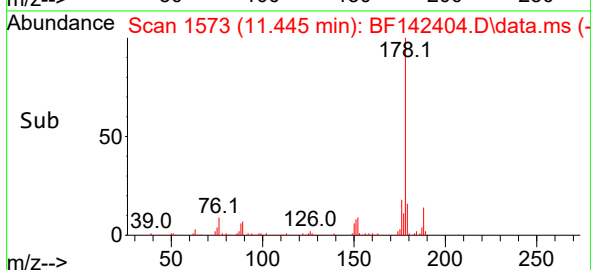
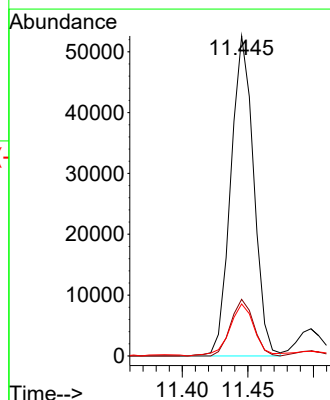
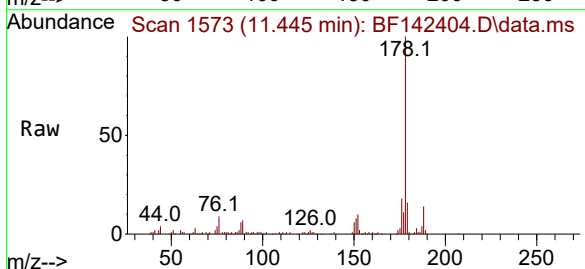
Tgt Ion:178 Resp: 63995

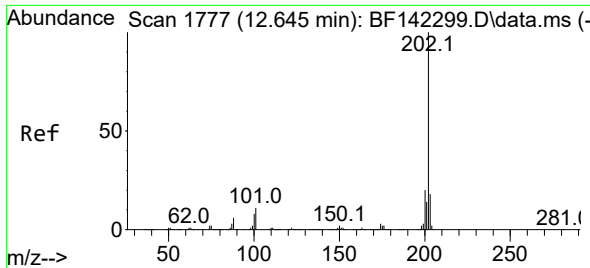
Ion Ratio Lower Upper

178 100

176 17.7 15.5 23.3

179 16.2 12.6 18.8

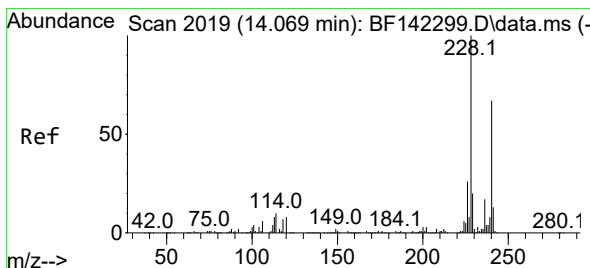
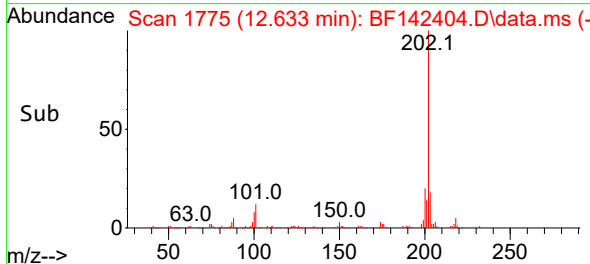
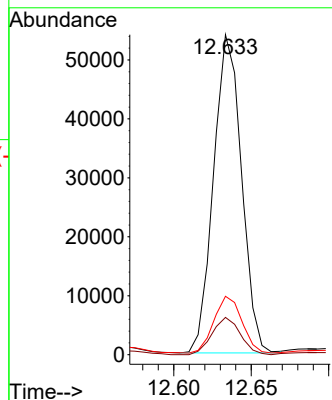
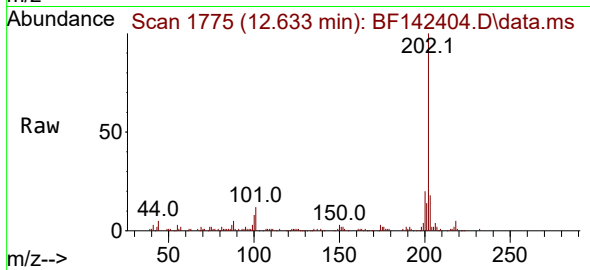




#75
Fluoranthene
Concen: 2.552 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

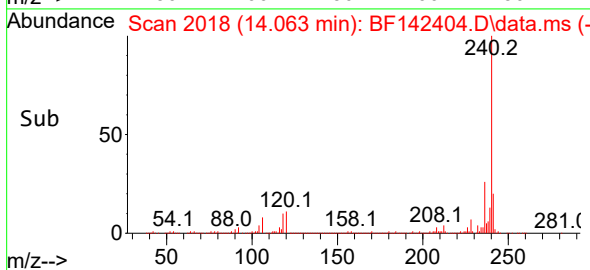
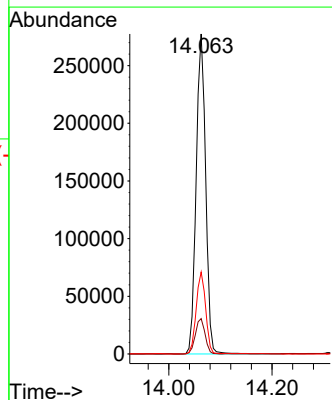
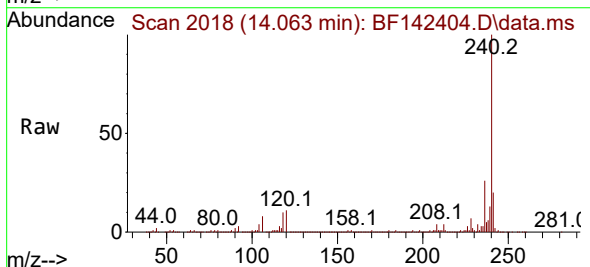
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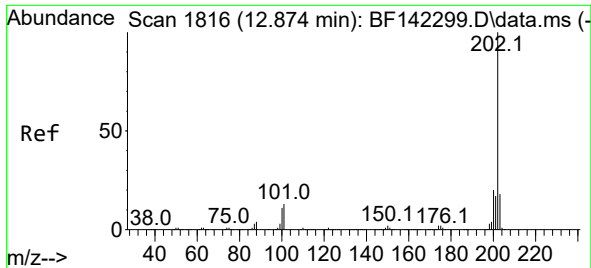
Tgt Ion:202 Resp: 67795
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 18.3 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:240 Resp: 354178
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.6 20.0 30.0

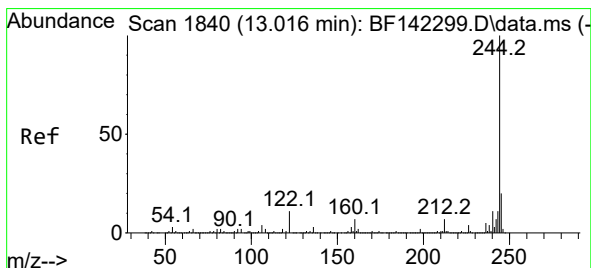
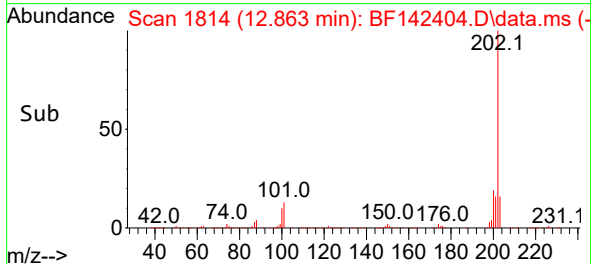
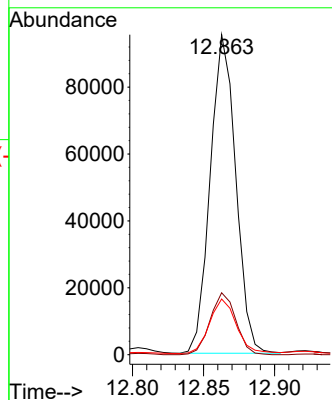
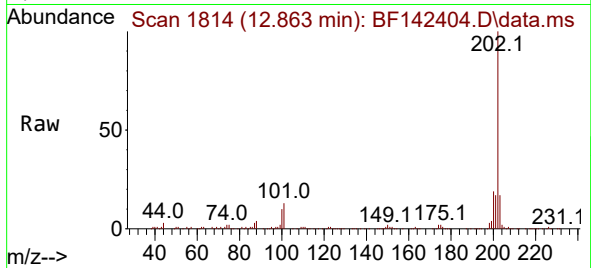




#78
Pyrene
Concen: 3.779 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

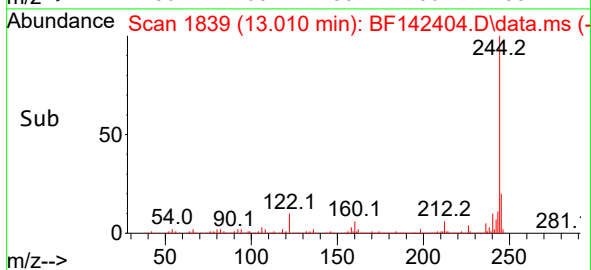
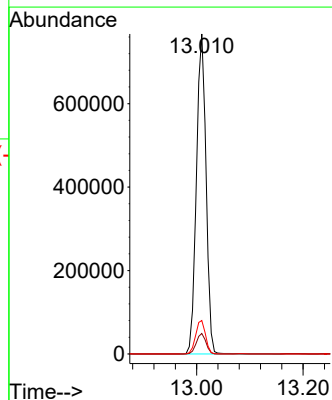
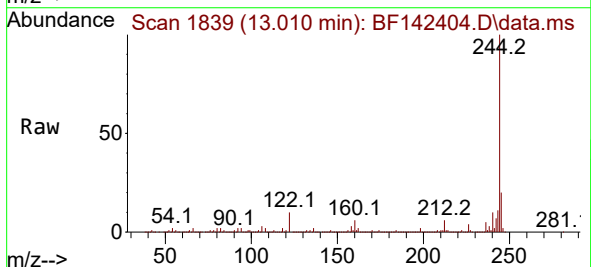
Instrument :
BNA_F
ClientSampleId :
COMP-1

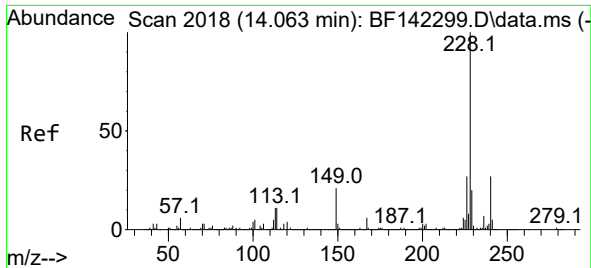
Tgt Ion:202 Resp: 119119
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.4
203 17.4 14.3 21.5



#79
Terphenyl-d14
Concen: 40.360 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:244 Resp: 965773
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.4 9.0 13.4

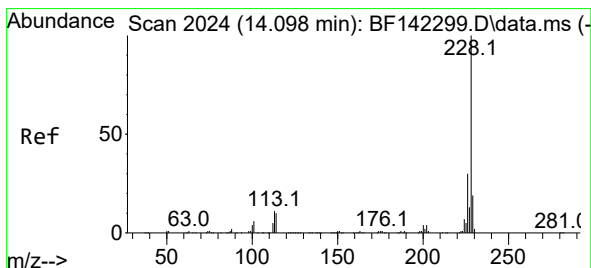
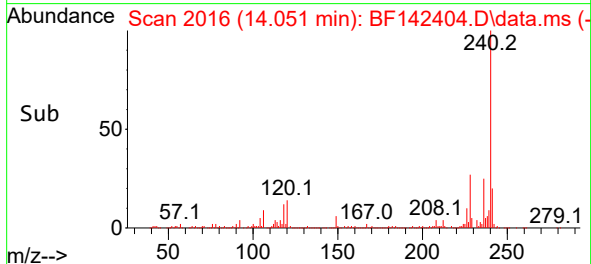
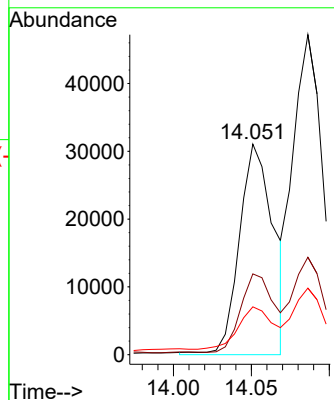
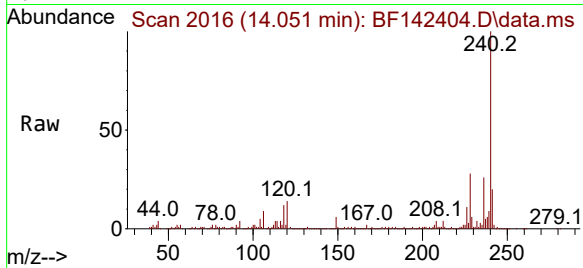




#81
Benzo(a)anthracene
Concen: 2.058 ng m
RT: 14.051 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

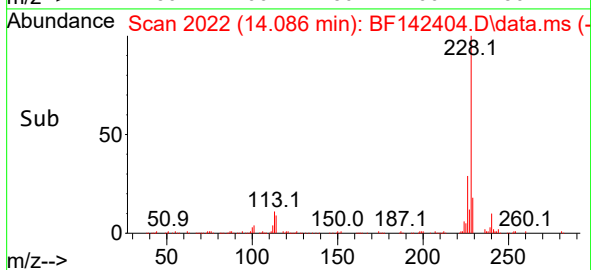
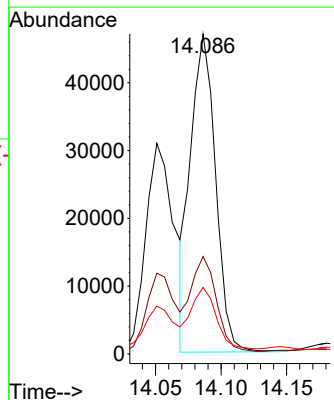
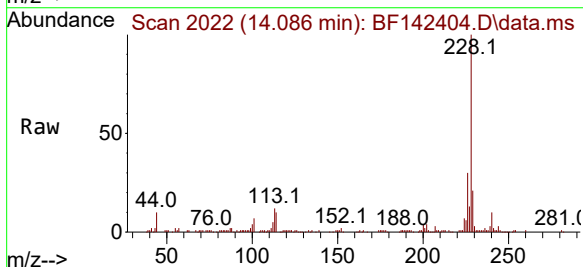
Instrument :
BNA_F
ClientSampleId :
COMP-1

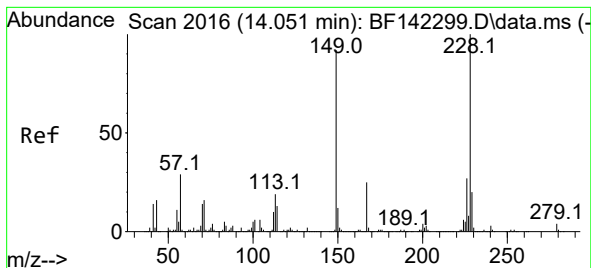
Tgt Ion:228 Resp: 47198
Ion Ratio Lower Upper
228 100
226 38.4 21.5 32.3#
229 22.7 15.9 23.9



#83
Chrysene
Concen: 2.911 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:228 Resp: 62147
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 20.8 15.4 23.2

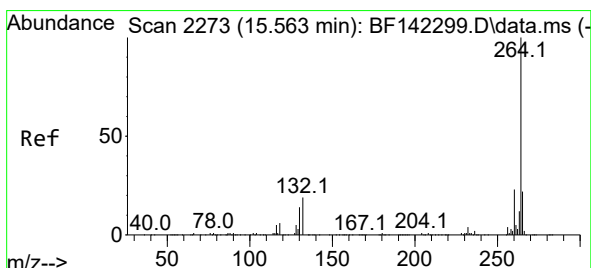
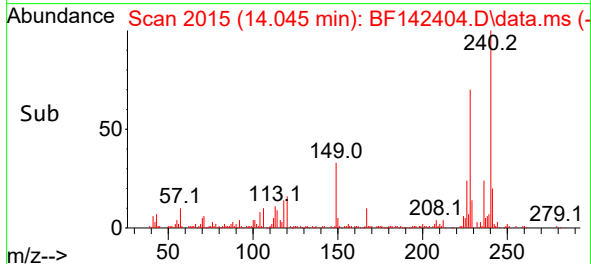
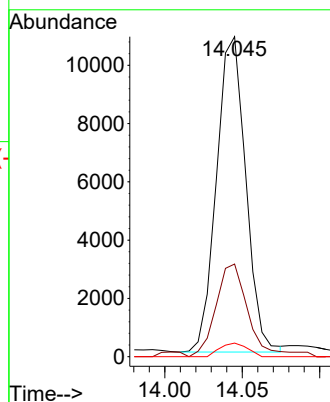
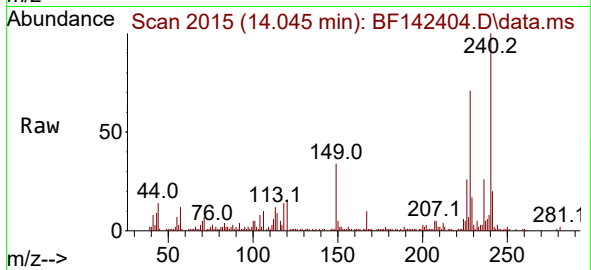




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.318 ng
RT: 14.045 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

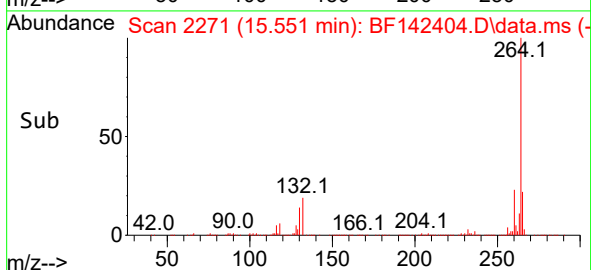
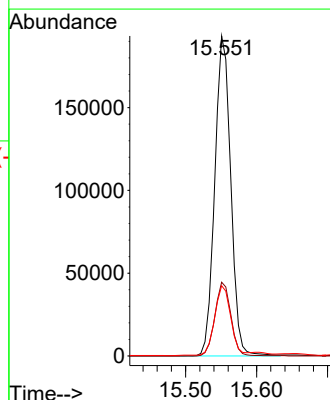
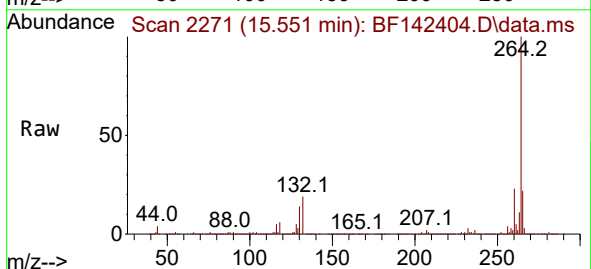
Instrument :
BNA_F
ClientSampleId :
COMP-1

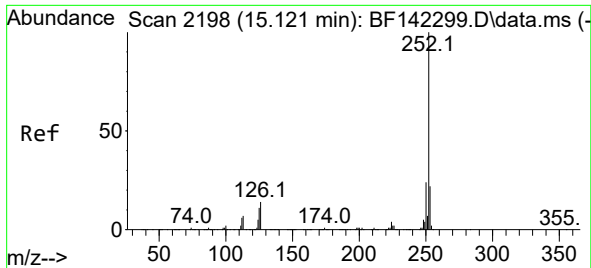
Tgt Ion:149 Resp: 14211
Ion Ratio Lower Upper
149 100
167 28.9 22.0 33.0
279 4.3 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

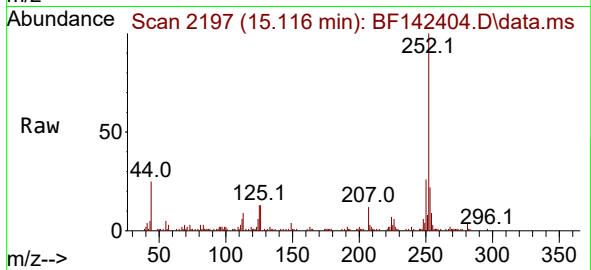
Tgt Ion:264 Resp: 301909
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.9 17.5 26.3





#88
 Benzo(b)fluoranthene
 Concen: 2.431 ng m
 RT: 15.116 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142404.D
 Acq: 15 May 2025 21:05

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



Tgt Ion:252 Resp: 44445
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.7 26.5
 125 13.1 8.7 13.1#

