

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132479.D
 Acq On : 20 Feb 2023 14:45
 Operator : CG\JU
 Sample : 01586-09RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5RE

Quant Time: Feb 20 15:36:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	229193	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	824193	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	380548	20.000	ng	0.00
64) Phenanthrene-d10	11.571	188	573793	20.000	ng	0.00
76) Chrysene-d12	14.230	240	365130	20.000	ng	0.00
86) Perylene-d12	15.795	264	272377	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.642	112	263867	18.448	ng	-0.02
7) Phenol-d6	6.642	99	1291081	69.127	ng	-0.01
23) Nitrobenzene-d5	7.589	82	988379	57.621	ng	0.00
42) 2,4,6-Tribromophenol	10.866	330	5054	1.331	ng	-0.01
45) 2-Fluorobiphenyl	9.389	172	1526543	61.949	ng	0.00
79) Terphenyl-d14	13.160	244	1275528	63.621	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.595	178	411004	13.908	ng	98
72) Anthracene	11.642	178	100383	3.304	ng	99
75) Fluoranthene	12.789	202	509269	15.452	ng	99
78) Pyrene	13.024	202	428109	13.802	ng	99
81) Benzo(a)anthracene	14.218	228	200091	7.482	ng	98
83) Chrysene	14.254	228	176710m	6.916	ng	
87) Indeno(1,2,3-cd)pyrene	17.406	276	53795	3.090	ng	94
88) Benzo(b)fluoranthene	15.324	252	159519m	8.906	ng	
89) Benzo(k)fluoranthene	15.354	252	56348m	3.144	ng	
90) Benzo(a)pyrene	15.724	252	105764	6.354	ng #	92
92) Benzo(g,h,i)perylene	17.900	276	53018	3.600	ng	94

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

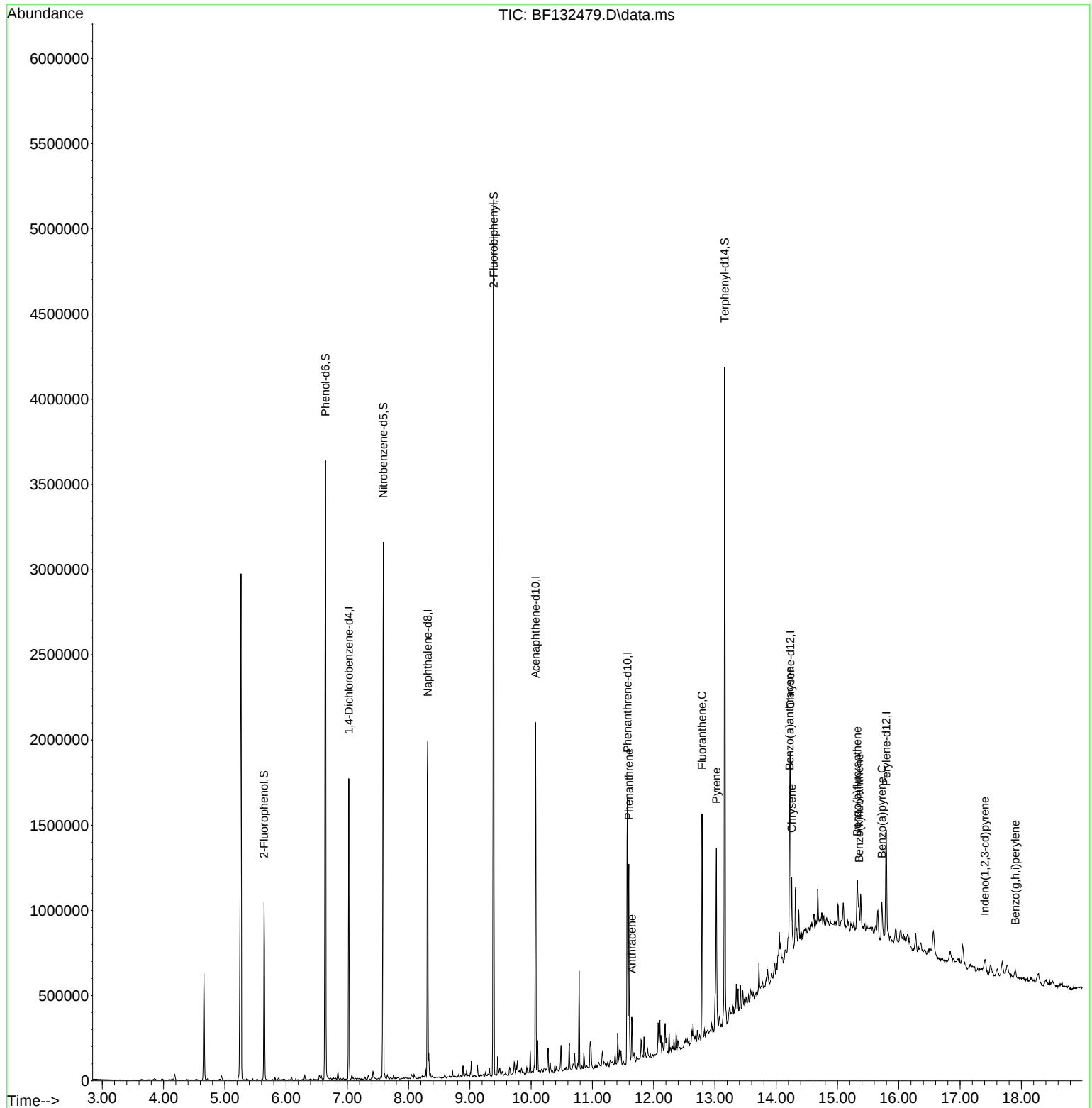
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
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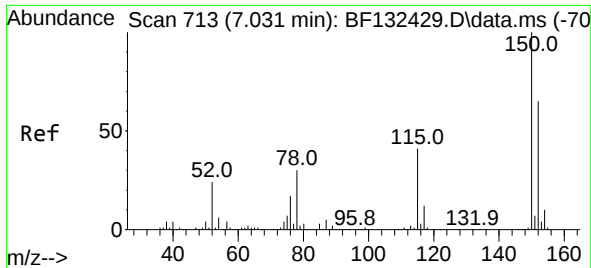
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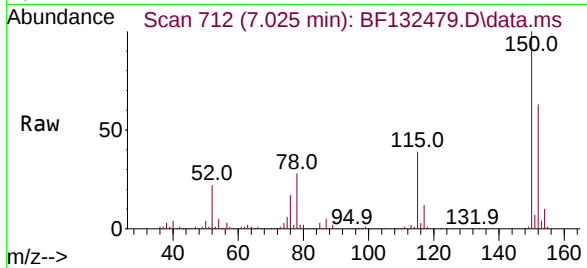
Reviewed By : Christian Giraldo 02/21/2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

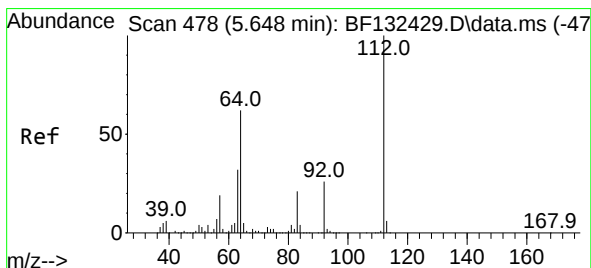
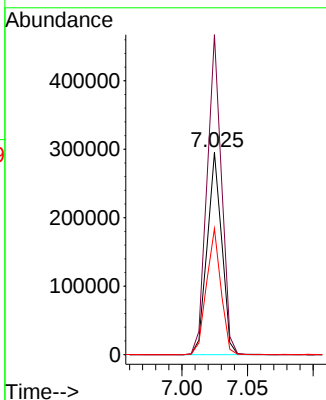
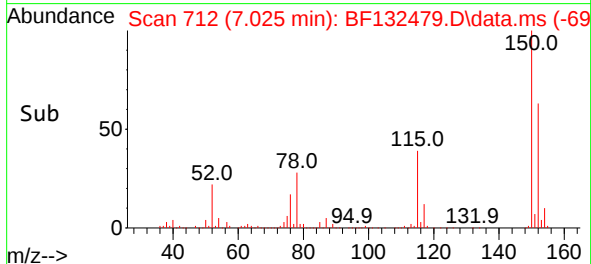
Instrument :
BNA_F
ClientSampleId :
COMP-5RE



Tgt Ion:152 Resp: 229193
Ion Ratio Lower Upper
152 100
150 158.1 123.8 185.8
115 62.3 50.4 75.6

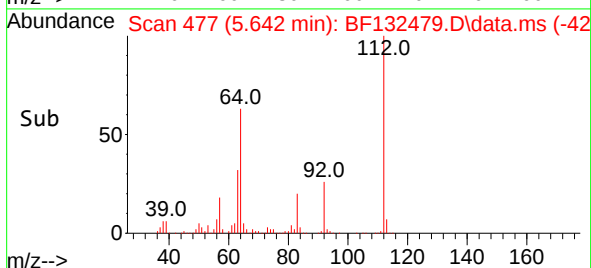
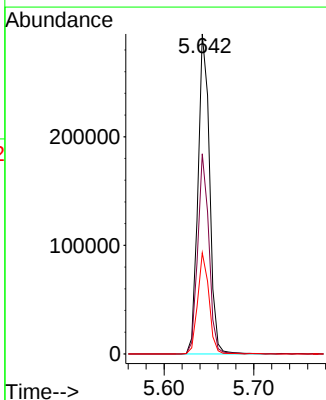
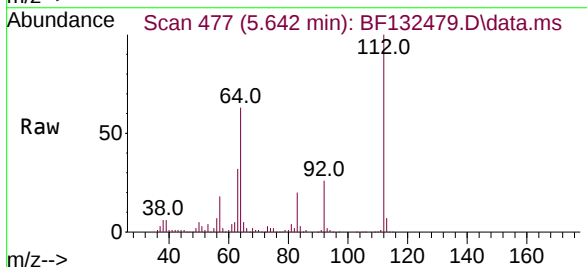
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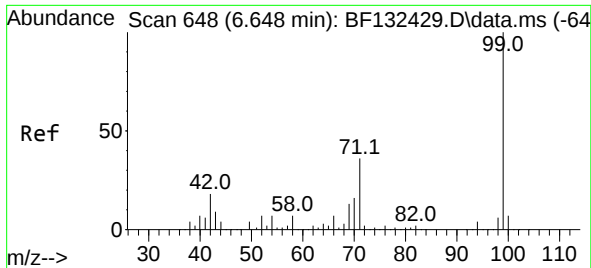
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#5
2-Fluorophenol
Concen: 18.448 ng
RT: 5.642 min Scan# 477
Delta R.T. -0.018 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

Tgt Ion:112 Resp: 263867
Ion Ratio Lower Upper
112 100
64 62.5 49.7 74.5
63 31.6 25.8 38.8





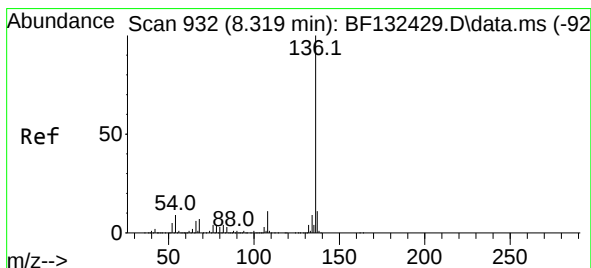
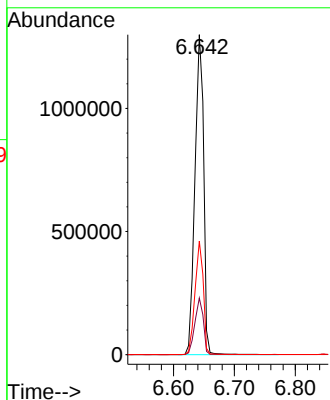
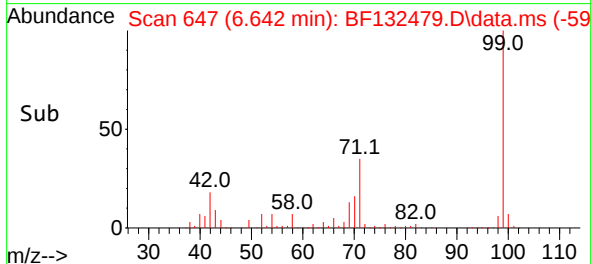
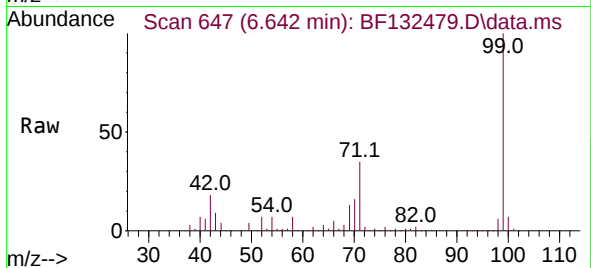
#7
Phenol-d6
Concen: 69.127 ng
RT: 6.642 min Scan# 647
Delta R.T. -0.012 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

Instrument :
BNA_F
ClientSampleId :
COMP-5RE

Tgt Ion: 99 Resp: 1291081
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 35.5 28.7 43.1

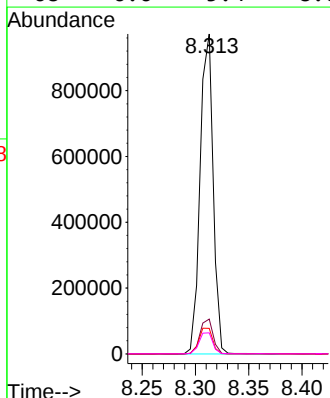
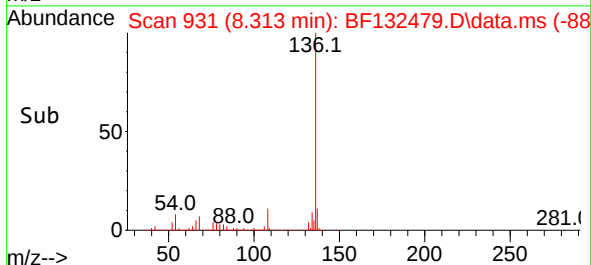
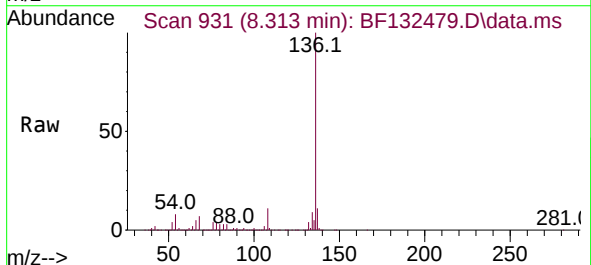
Manual Integrations
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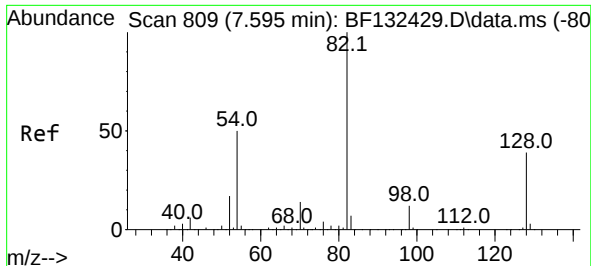
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.000 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

Tgt Ion:136 Resp: 824193
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.0 6.9 10.3
68 6.6 5.4 8.0





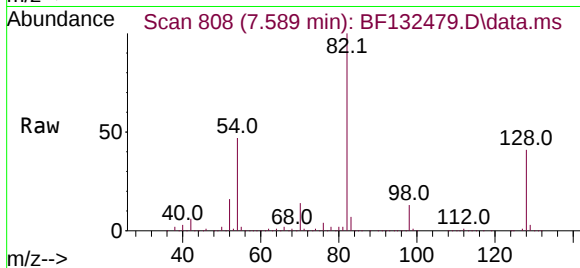
#23
Nitrobenzene-d5
Concen: 57.621 ng
RT: 7.589 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

Instrument :

BNA_F

ClientSampleId :

COMP-5RE

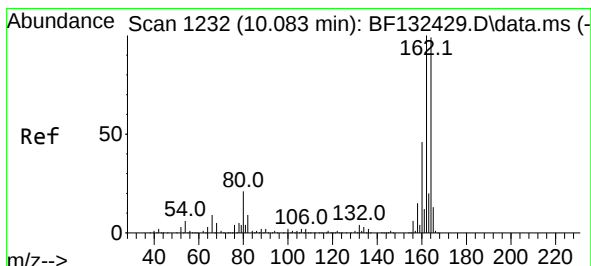
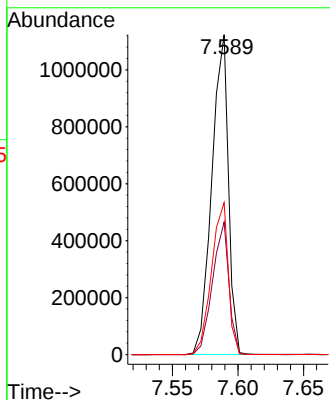
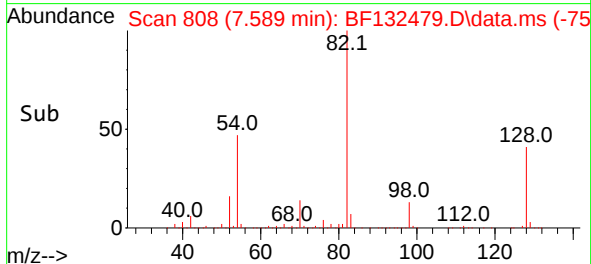


Tgt Ion: 82 Resp: 988379
Ion Ratio Lower Upper
82 100
128 41.4 30.8 46.2
54 47.5 40.2 60.4

Manual Integrations

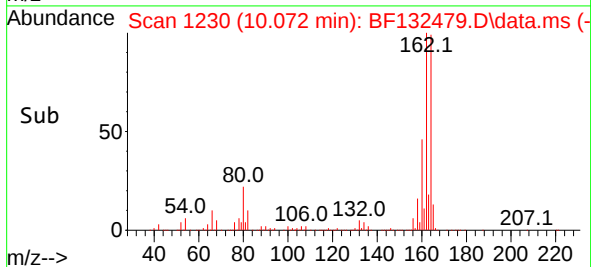
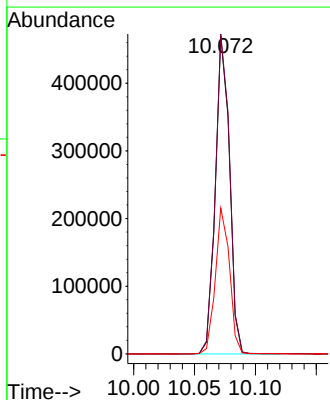
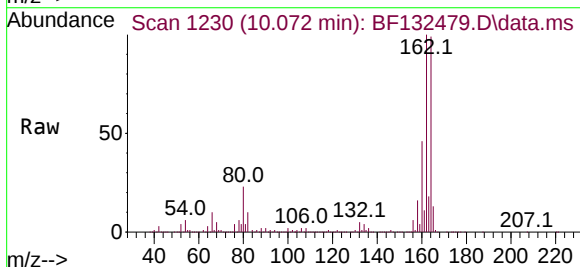
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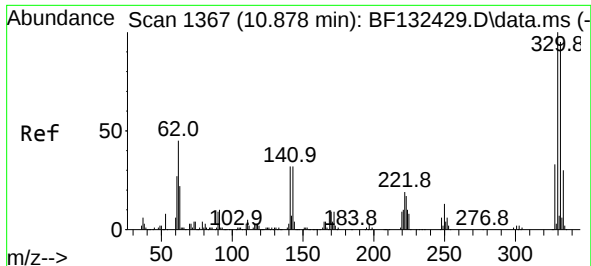
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

Tgt Ion:164 Resp: 380548
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 45.9 37.2 55.8





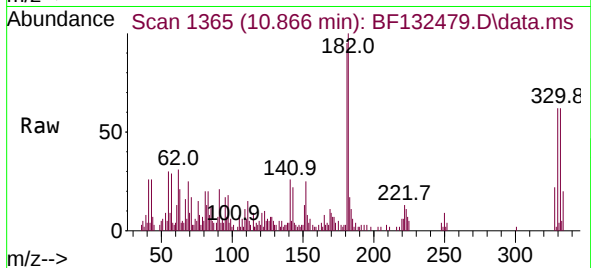
#42
2,4,6-Tribromophenol
Concen: 1.331 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

Instrument :

BNA_F

ClientSampleId :

COMP-5RE

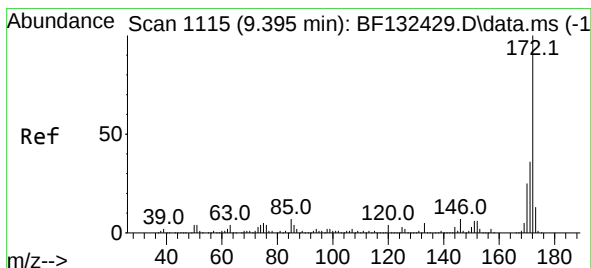
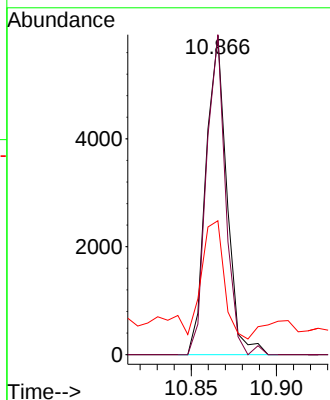
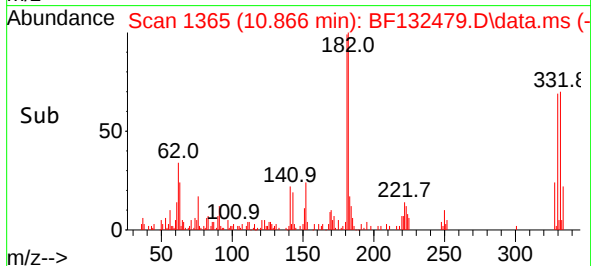


Tgt Ion: 330 Resp: 5054
Ion Ratio Lower Upper
330 100
332 91.8 76.3 114.5
141 39.3 30.3 45.5

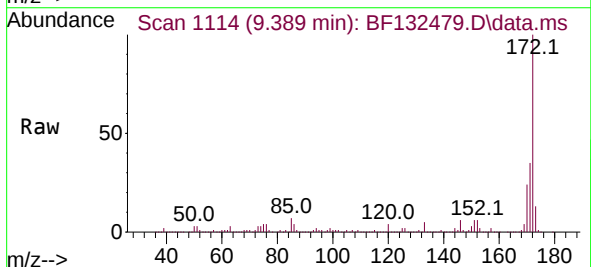
Manual Integrations

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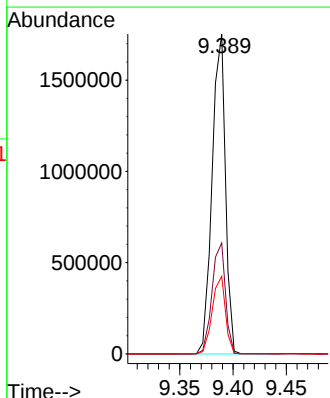
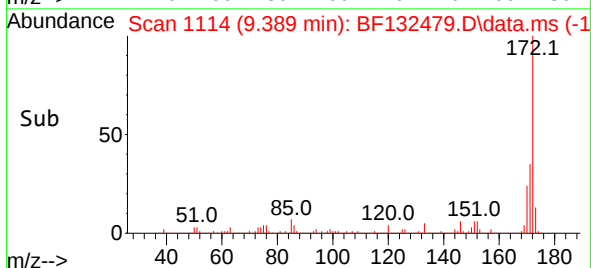
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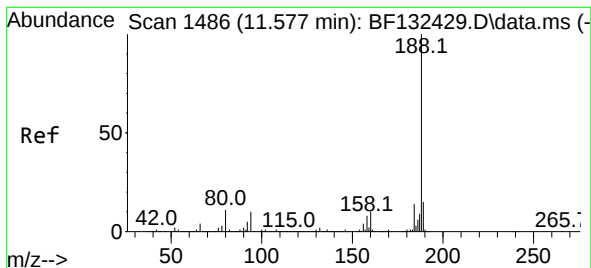


#45
2-Fluorobiphenyl
Concen: 61.949 ng
RT: 9.389 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45



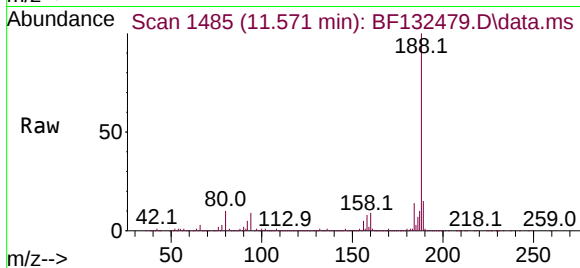
Tgt Ion: 172 Resp: 1526543
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 24.2 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.571 min Scan# 1486
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

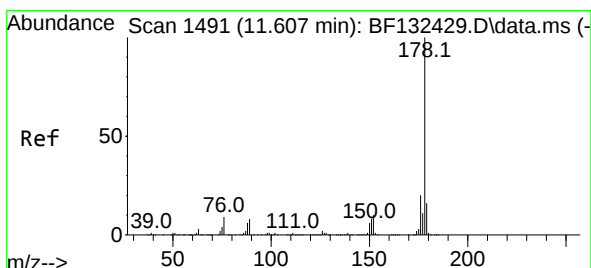
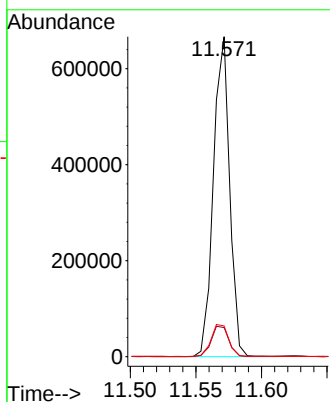
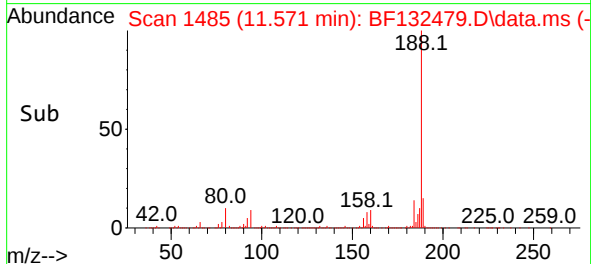
Instrument :
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COMP-5RE



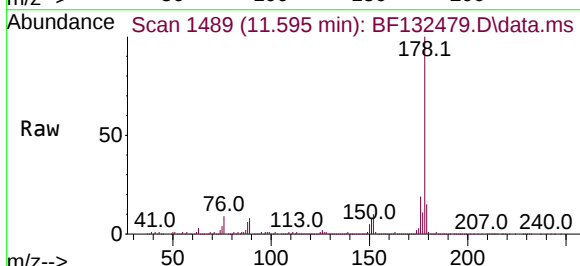
Tgt Ion:188 Resp: 573793
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.6 8.6 12.8

Manual Integrations
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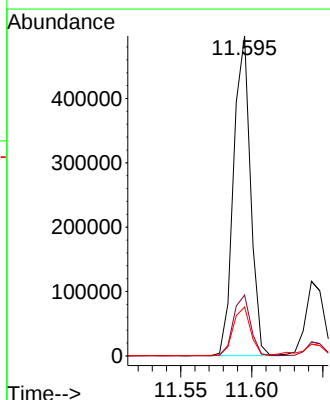
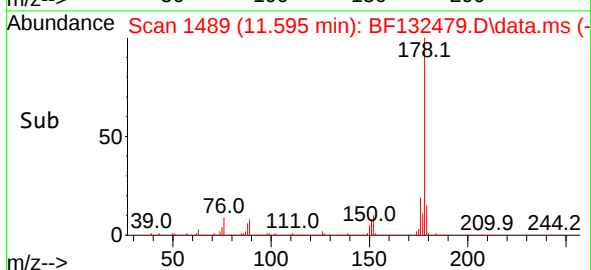
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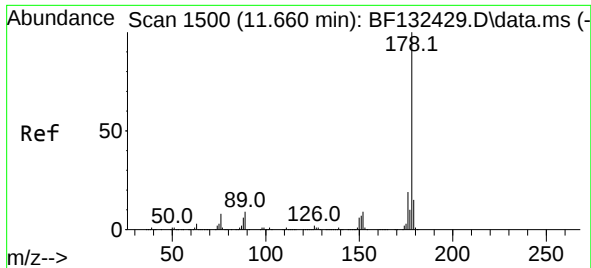


#71
Phenanthrene
Concen: 13.908 ng
RT: 11.595 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45



Tgt Ion:178 Resp: 411004
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 15.3 12.6 18.8





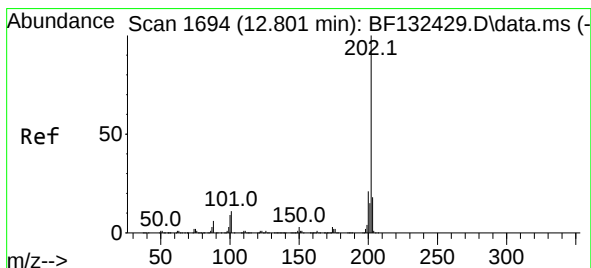
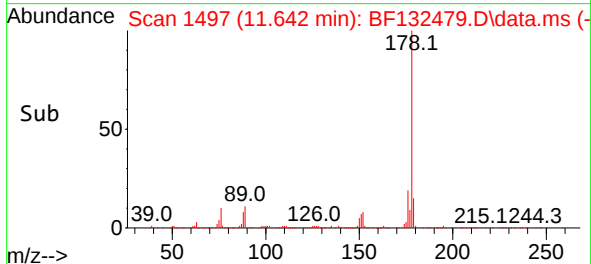
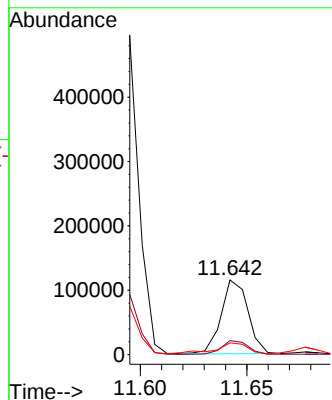
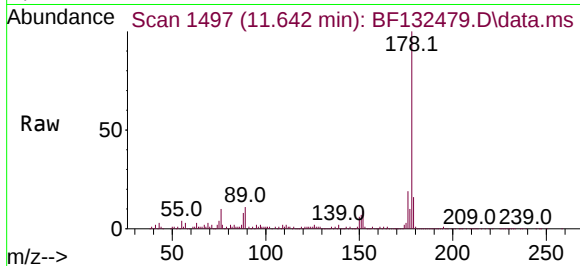
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 Anthracene
 Concen: 3.304 ng
 RT: 11.642 min Scan# 14
 Delta R.T. -0.012 min
 Lab File: BF132479.D
 Acq: 20 Feb 2023 14:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5RE

Tgt Ion:178 Resp: 100383
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.8 12.4 18.6

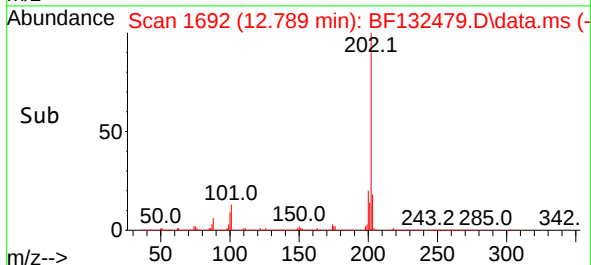
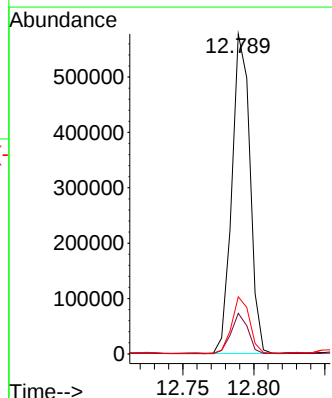
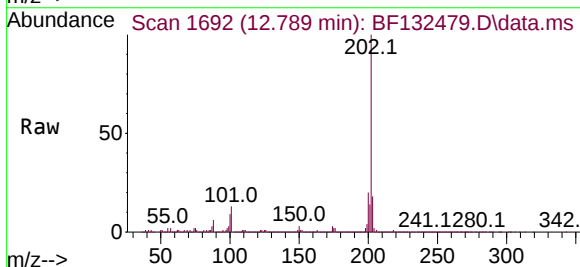
Manual Integrations
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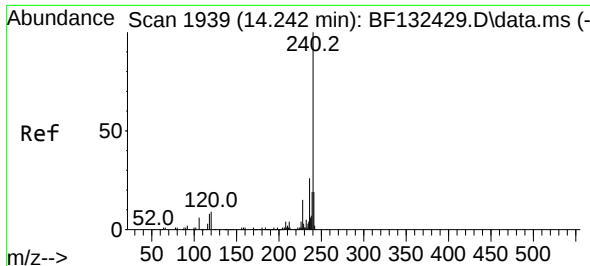
Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#75
 Fluoranthene
 Concen: 15.452 ng
 RT: 12.789 min Scan# 1692
 Delta R.T. -0.006 min
 Lab File: BF132479.D
 Acq: 20 Feb 2023 14:45

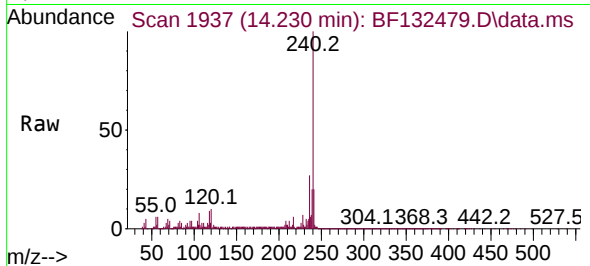
Tgt Ion:202 Resp: 509269
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 31.3
 203 17.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

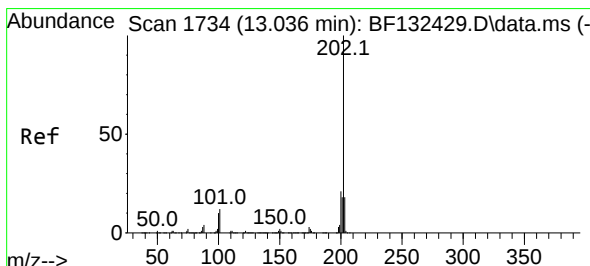
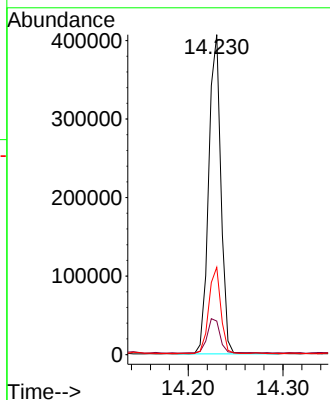
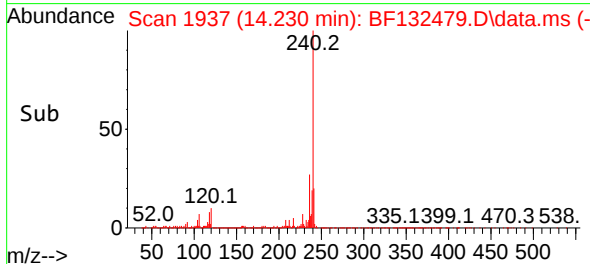
Instrument :
BNA_F
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Tgt Ion:240 Resp: 365130
Ion Ratio Lower Upper
240 100
120 10.5 7.5 11.3
236 27.3 21.0 31.6

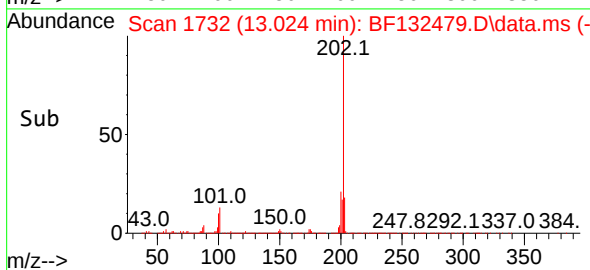
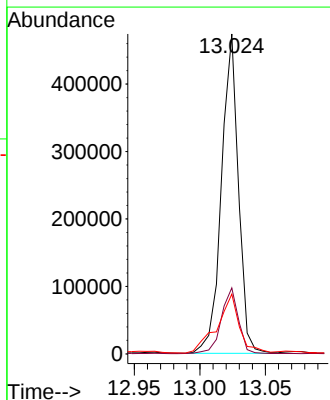
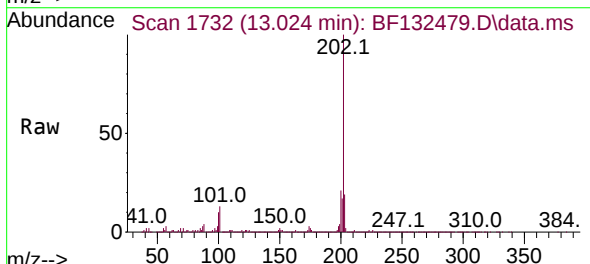
Manual Integrations
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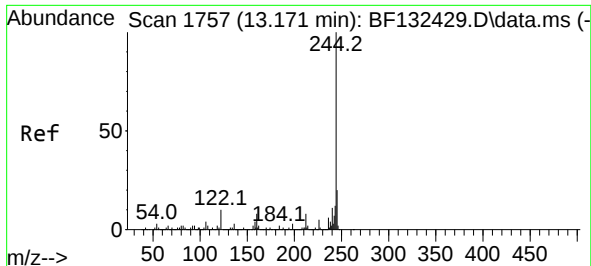
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#78
Pyrene
Concen: 13.802 ng
RT: 13.024 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

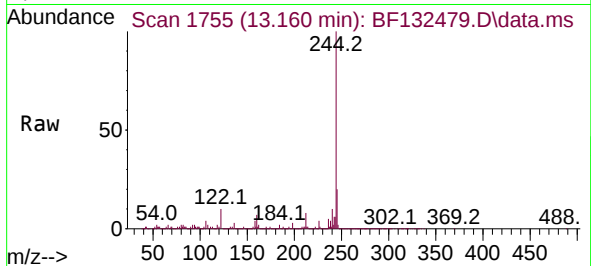
Tgt Ion:202 Resp: 428109
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 18.7 14.3 21.5





#79
Terphenyl-d14
Concen: 63.621 ng
RT: 13.160 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45

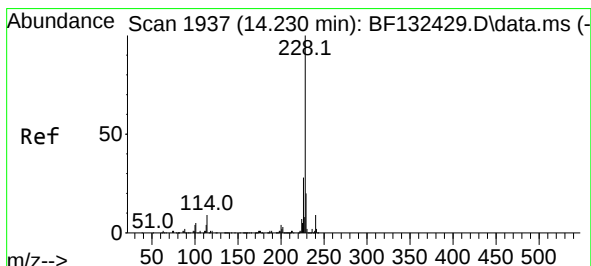
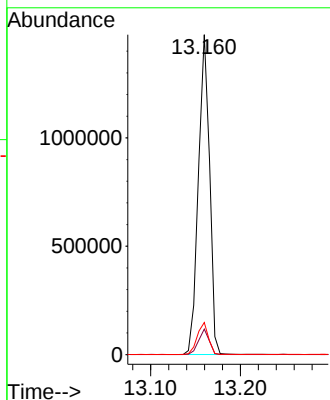
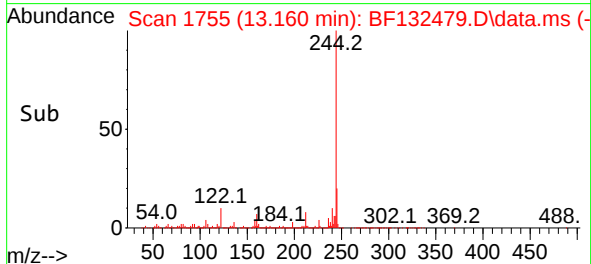
Instrument :
BNA_F
ClientSampleId :
COMP-5RE



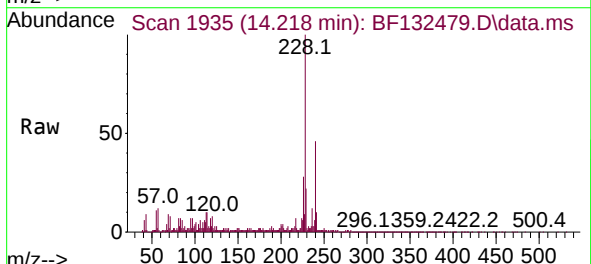
Tgt Ion:244 Resp: 1275528
Ion Ratio Lower Upper
244 100
212 8.0 6.7 10.1
122 10.0 7.7 11.5

Manual Integrations
APPROVED

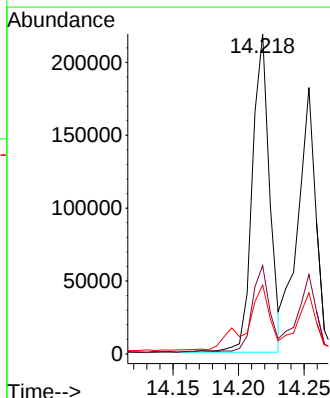
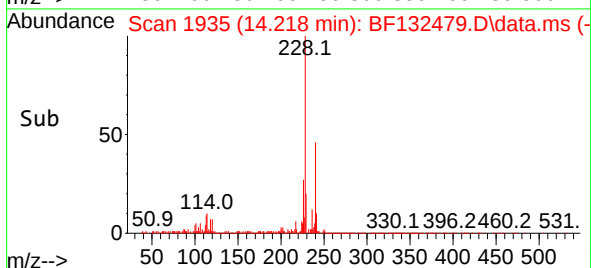
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

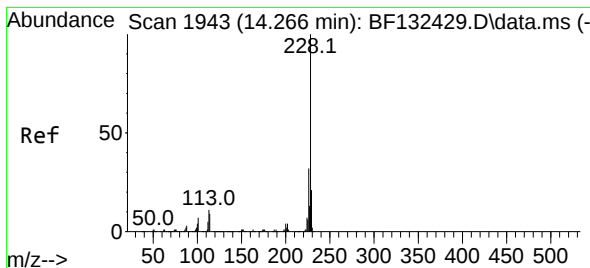


#81
Benzo(a)anthracene
Concen: 7.482 ng
RT: 14.218 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BF132479.D
Acq: 20 Feb 2023 14:45



Tgt Ion:228 Resp: 200091
Ion Ratio Lower Upper
228 100
226 27.6 22.6 34.0
229 21.5 16.2 24.4





#83

Chrysene

Concen: 6.916 ng m

RT: 14.254 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BF132479.D

Acq: 20 Feb 2023 14:45

Instrument :

BNA_F

ClientSampleId :

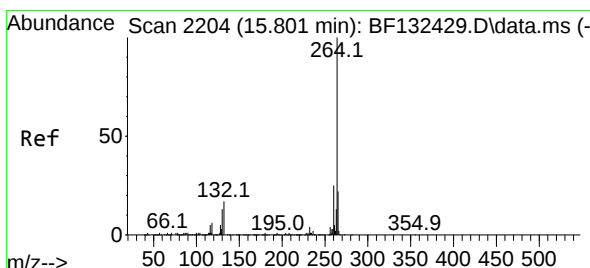
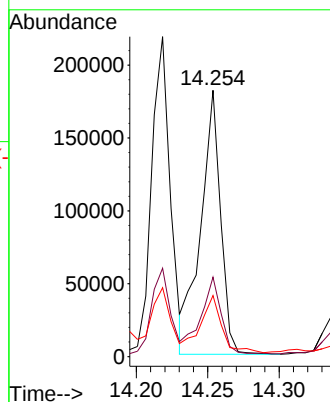
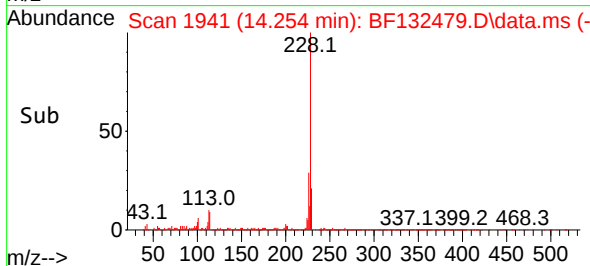
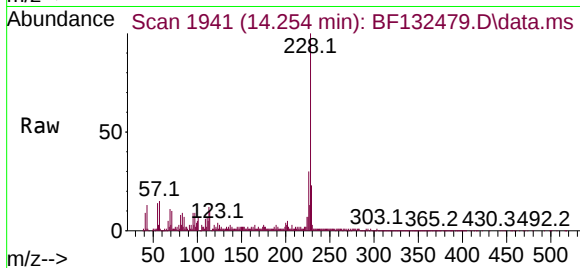
COMP-5RE

Tgt Ion:	228	Resp:	176710
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.2
229	22.9	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#86

Perylene-d12

Concen: 20.000 ng

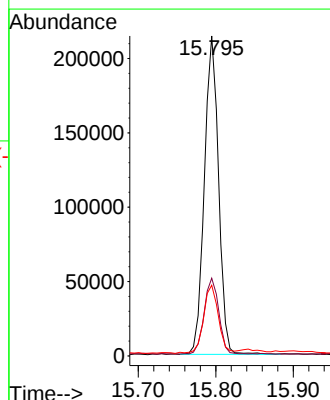
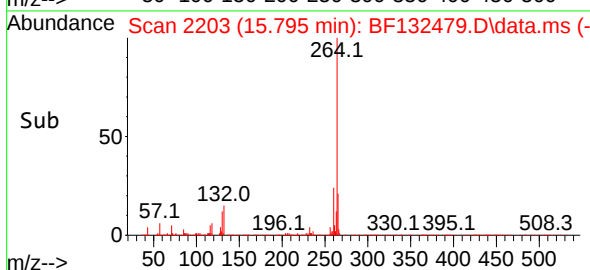
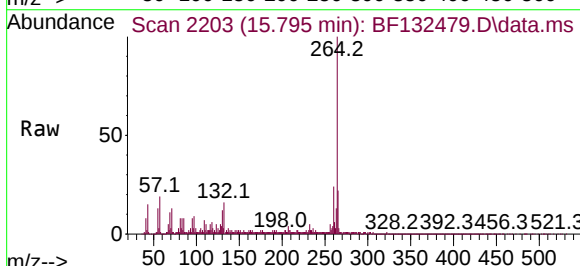
RT: 15.795 min Scan# 2203

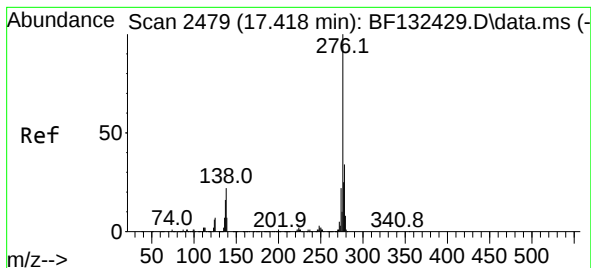
Delta R.T. -0.000 min

Lab File: BF132479.D

Acq: 20 Feb 2023 14:45

Tgt Ion:	264	Resp:	272377
Ion Ratio	Lower	Upper	
264	100		
260	24.3	20.0	30.0
265	22.1	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.090 ng

RT: 17.406 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BF132479.D

Acq: 20 Feb 2023 14:45

Instrument :

BNA_F

ClientSampleId :

COMP-5RE

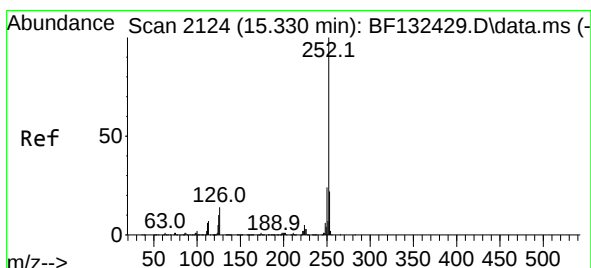
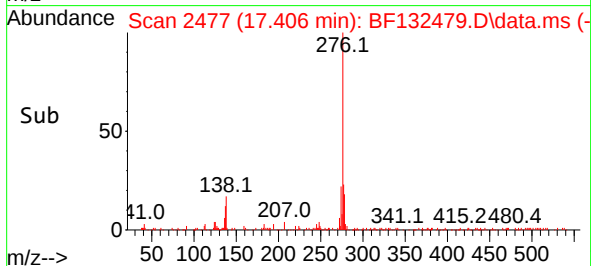
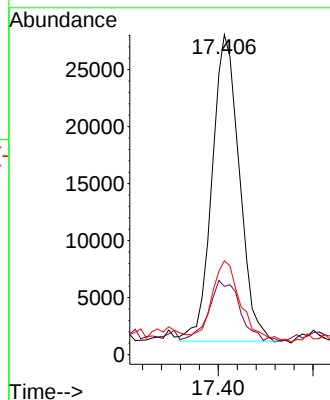
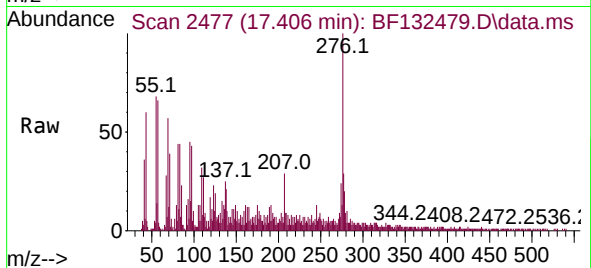
Tgt Ion:	276	Resp:	53795
Ion Ratio	Lower	Upper	
276	100		
138	22.2	20.2	30.4
277	28.3	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#88

Benzo(b)fluoranthene

Concen: 8.906 ng m

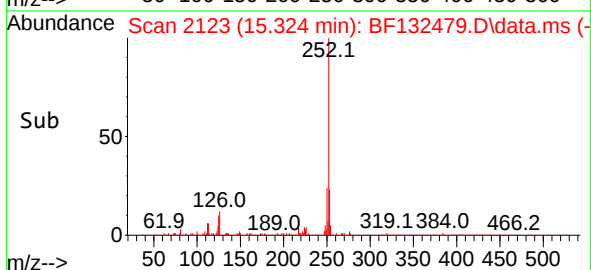
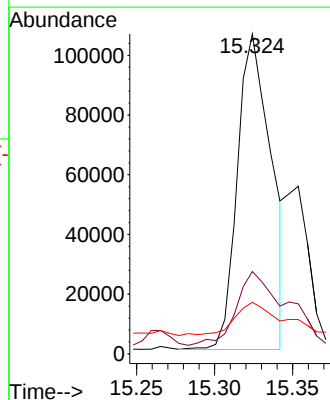
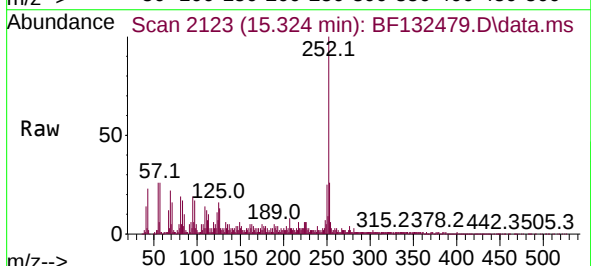
RT: 15.324 min Scan# 2123

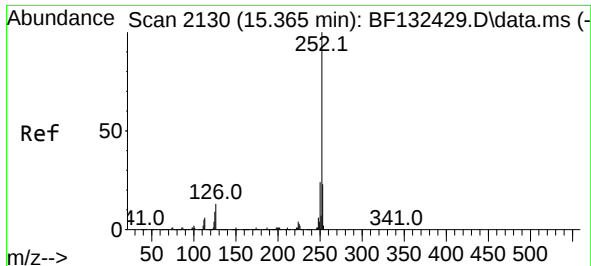
Delta R.T. -0.000 min

Lab File: BF132479.D

Acq: 20 Feb 2023 14:45

Tgt Ion:	252	Resp:	159519
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.8	26.8
125	16.1	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 3.144 ng m

RT: 15.354 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BF132479.D

Acq: 20 Feb 2023 14:45

Instrument :

BNA_F

ClientSampleId :

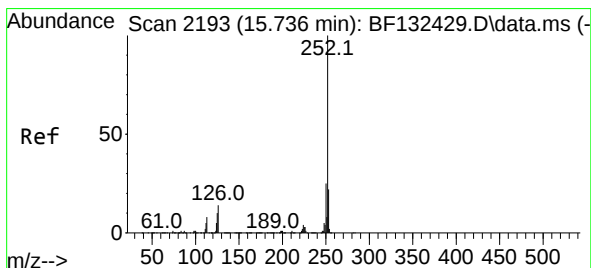
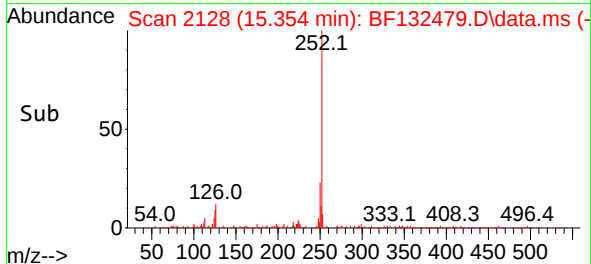
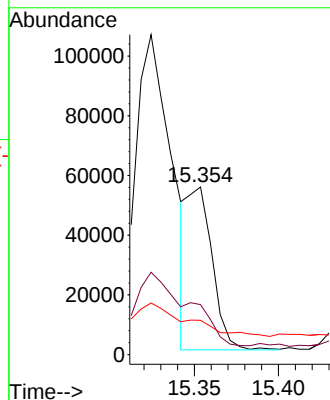
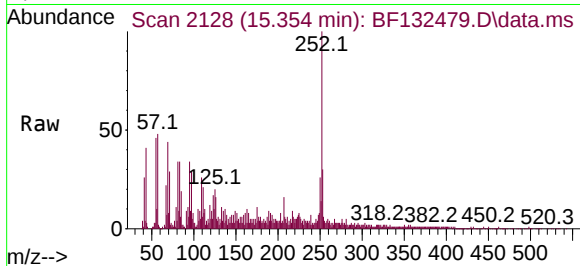
COMP-5RE

Tgt Ion:252 Resp: 56348
 Ion Ratio Lower Upper
 252 100
 253 29.8 18.2 27.2
 125 20.5 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#90

Benzo(a)pyrene

Concen: 6.354 ng

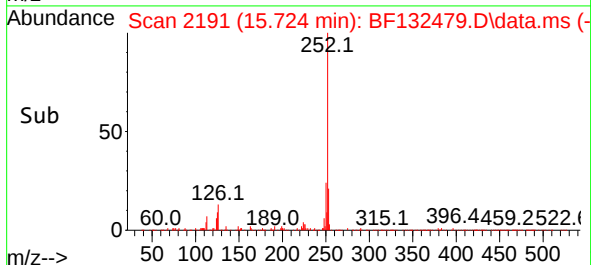
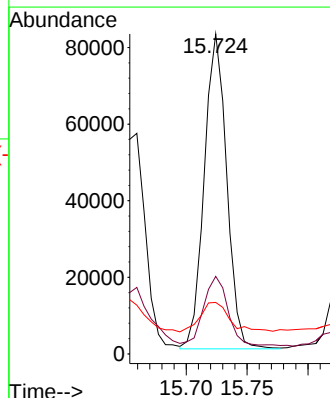
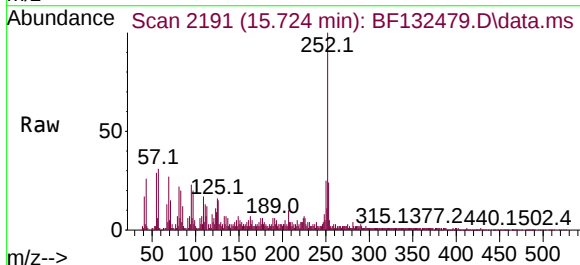
RT: 15.724 min Scan# 2191

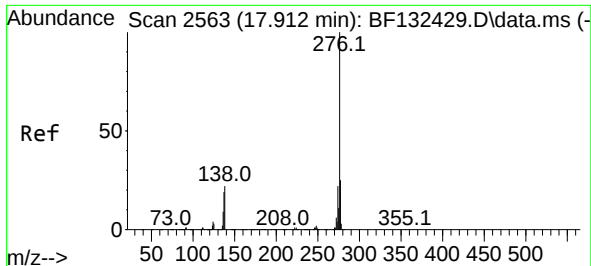
Delta R.T. -0.006 min

Lab File: BF132479.D

Acq: 20 Feb 2023 14:45

Tgt Ion:252 Resp: 105764
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.6 26.4
 125 16.1 8.2 12.4





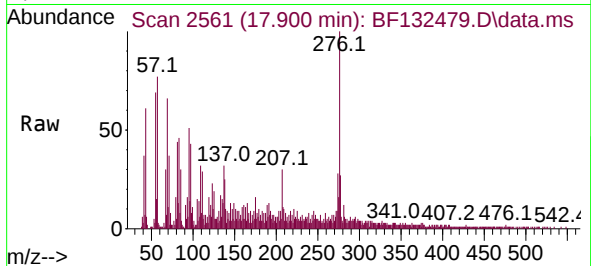
#92
 Benzo(g,h,i)perylene
 Concen: 3.600 ng
 RT: 17.900 min Scan# 2561
 Delta R.T. -0.012 min
 Lab File: BF132479.D
 Acq: 20 Feb 2023 14:45

Instrument :

BNA_F

ClientSampleId :

COMP-5RE



Tgt Ion:	276	Resp:	53018
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.6	29.4
138	25.5	17.7	26.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023

