

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125983.D
 Acq On : 28 Oct 2021 11:30
 Operator : JU/CG
 Sample : M4358-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TH-FD

Manual Integrations
 APPROVED

mohammad
 10/29/2021 3:01:30 PM

Quant Time: Oct 28 15:21:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	170049	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	675652	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	358166	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	608541	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	410613	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	436069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1115431	97.705	ng	0.00
7) Phenol-d6	6.481	99	1420786	90.736	ng	0.00
23) Nitrobenzene-d5	7.416	82	930377	71.127	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	309211	99.033	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1336554	65.992	ng	0.00
79) Terphenyl-d14	12.963	244	1080281	43.034	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	74421	2.357	ng	97
75) Fluoranthene	12.586	202	288231	9.055	ng	98
78) Pyrene	12.816	202	294920	7.718	ng	98
81) Benzo(a)anthracene	14.004	228	156084	5.648	ng	93
83) Chrysene	14.039	228	152613	5.458	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	99573	3.170	ng	# 93
88) Benzo(b)fluoranthene	15.051	252	227465m	7.903	ng	
89) Benzo(k)fluoranthene	15.074	252	67571m	2.444	ng	
90) Benzo(a)pyrene	15.415	252	165946	7.142	ng	98
92) Benzo(g,h,i)perylene	17.362	276	93827	3.529	ng	96

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

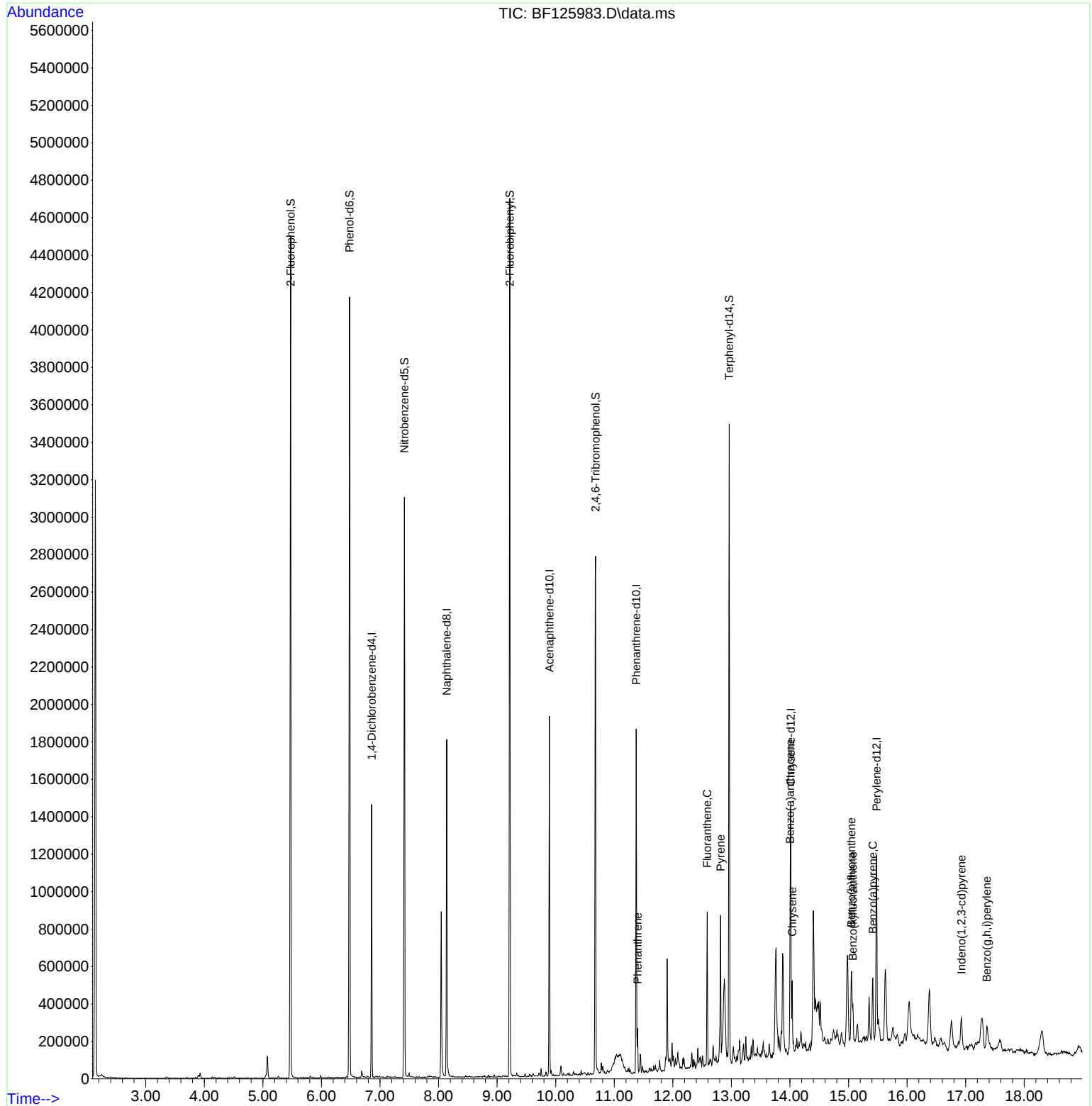
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125983.D
Acq On : 28 Oct 2021 11:30
Operator : JU/CG
Sample : M4358-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

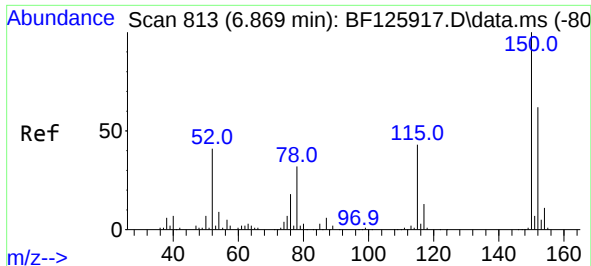
Instrument :
BNA_F
ClientSampleId :
TH-FD

Manual Integrations
APPROVED

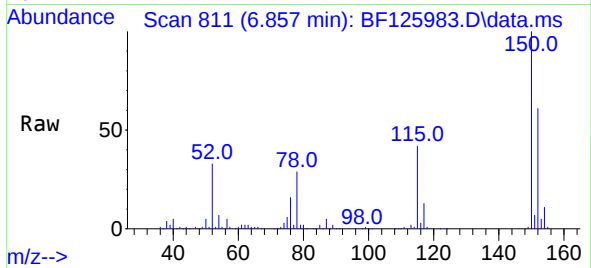
mohammad
10/29/2021 3:01:30 PM

Quant Time: Oct 28 15:21:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:01:54 2021
Response via : Initial Calibration

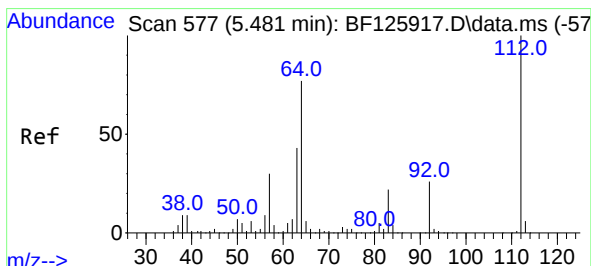
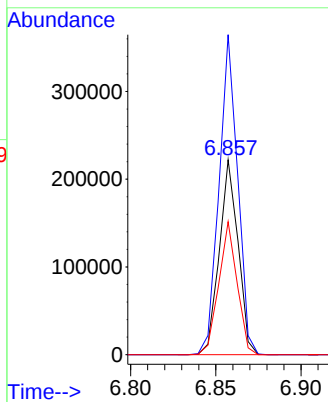
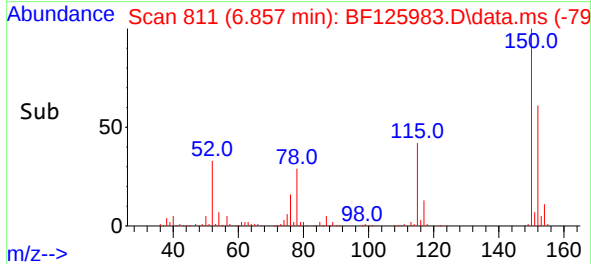




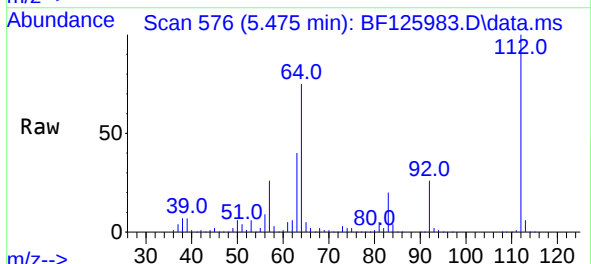
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



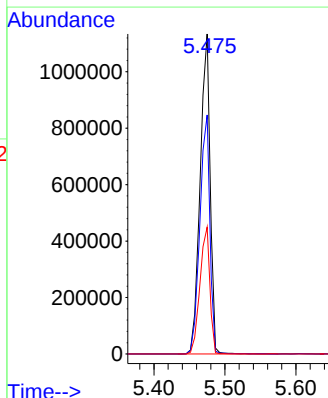
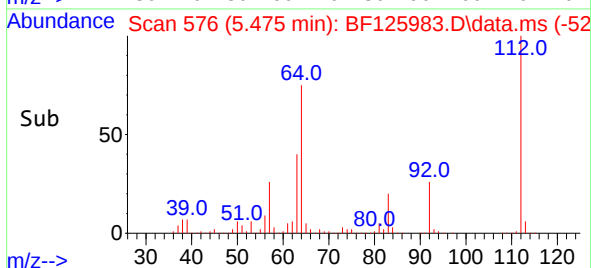
Tgt Ion:152 Resp: 170049
Ion Ratio Lower Upper
152 100
150 164.1 117.6 176.4
115 68.2 47.1 70.7



#5
2-Fluorophenol
Concen: 97.705 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



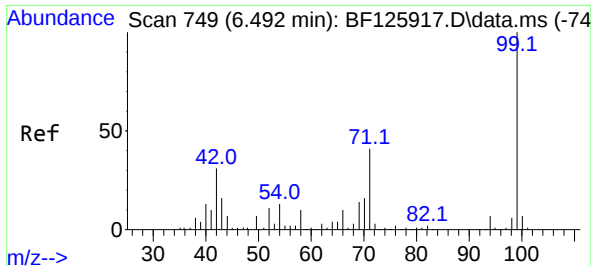
Tgt Ion:112 Resp: 1115431
Ion Ratio Lower Upper
112 100
64 74.7 44.2 66.2#
63 39.7 26.2 39.2#



Instrument :
BNA_F
ClientSampled :
TH-FD

Manual Integrations
APPROVED

mohammad
10/29/2021 3:01:30 PM



#7
Phenol-d6
Concen: 90.736 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

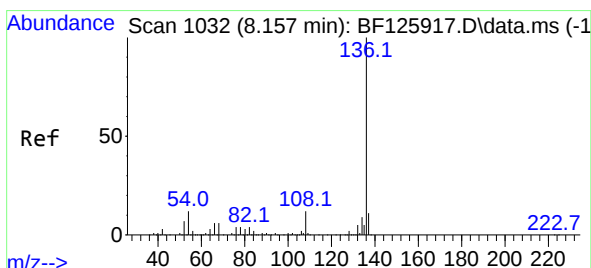
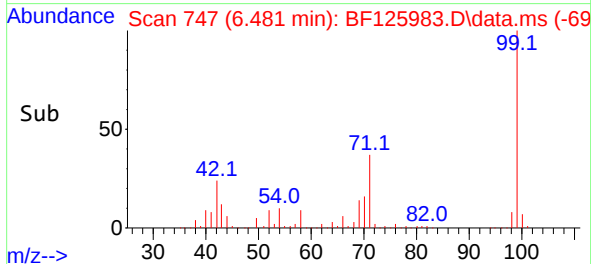
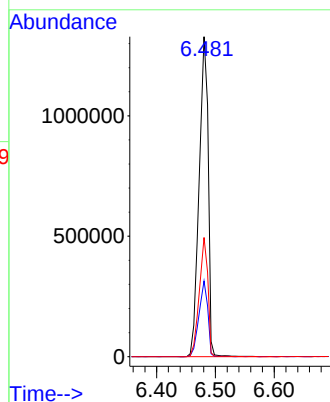
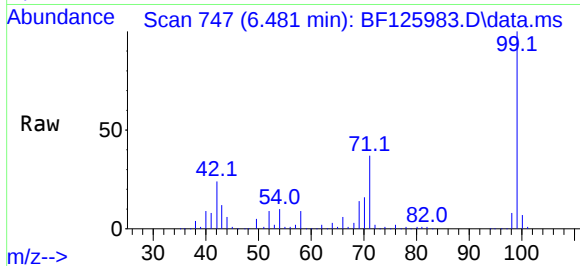
Tgt Ion: 99 Resp: 1420786

Ion	Ratio	Lower	Upper
99	100		
42	23.7	23.5	35.3
71	37.2	25.6	38.4

Instrument :
BNA_F
ClientSampled :
TH-FD

Manual Integrations
APPROVED

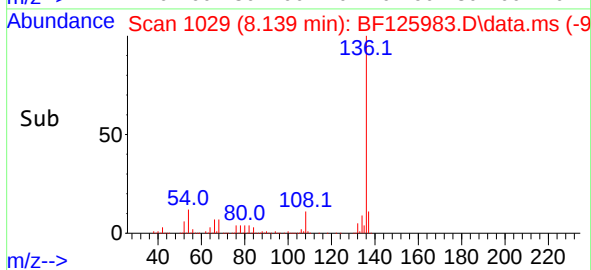
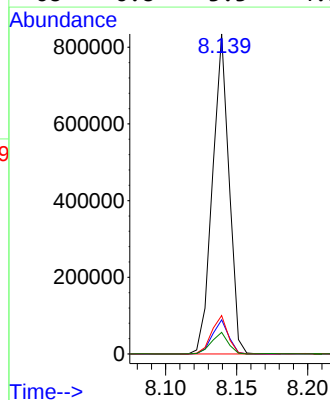
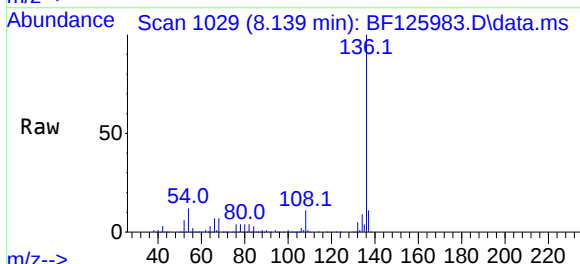
mohammad
10/29/2021 3:01:30 PM

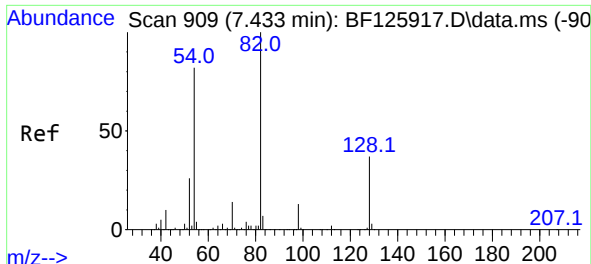


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion: 136 Resp: 675652

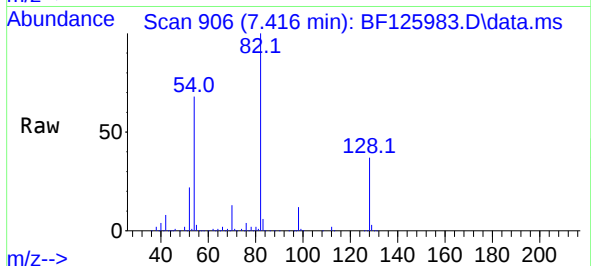
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	12.0	6.4	9.6#
68	6.8	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 71.127 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

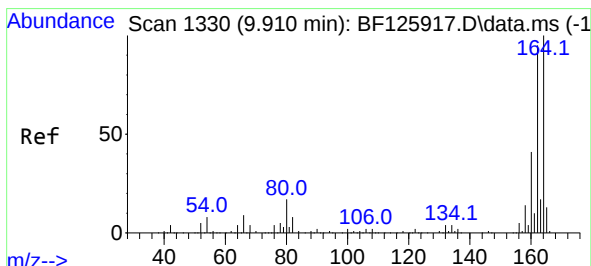
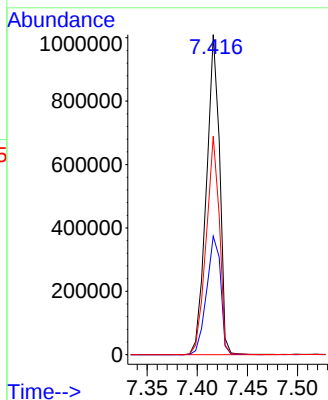
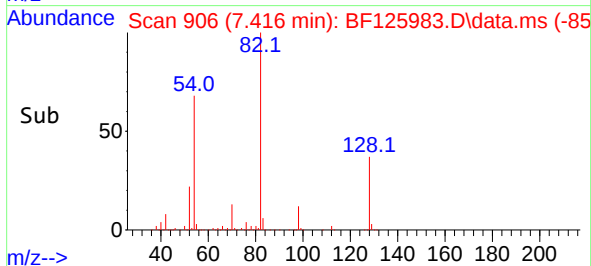
Instrument :
BNA_F
ClientSampled :
TH-FD



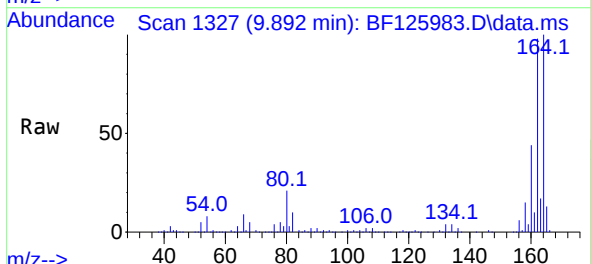
Tgt Ion: 82 Resp: 930377
Ion Ratio Lower Upper
82 100
128 37.1 40.6 60.8#
54 68.2 49.6 74.4

Manual Integrations
APPROVED

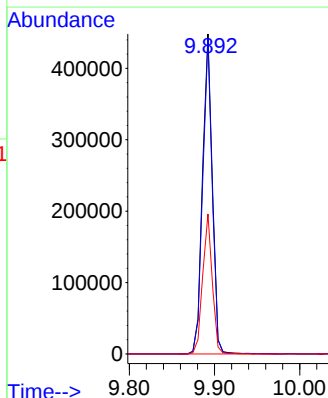
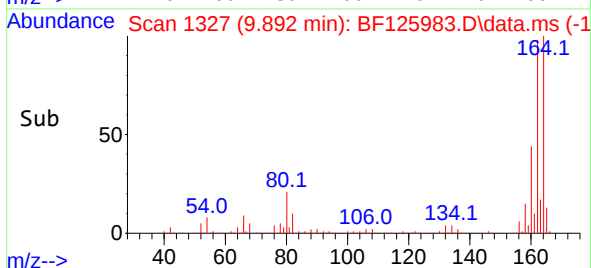
mohammad
10/29/2021 3:01:30 PM

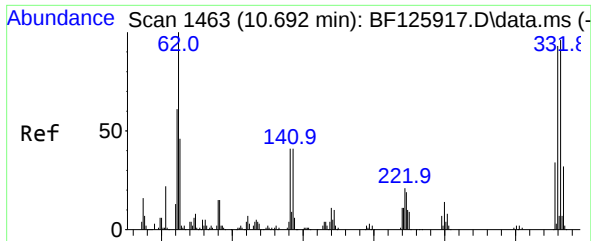


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



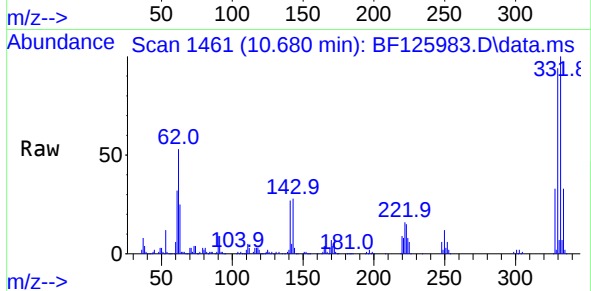
Tgt Ion: 164 Resp: 358166
Ion Ratio Lower Upper
164 100
162 98.5 81.3 121.9
160 43.8 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 99.033 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

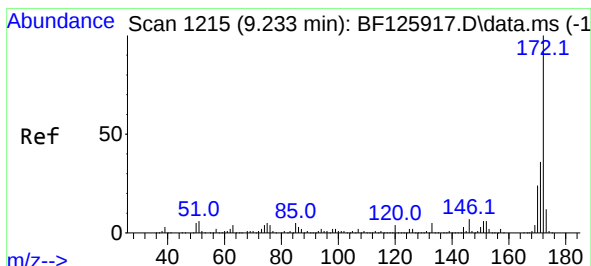
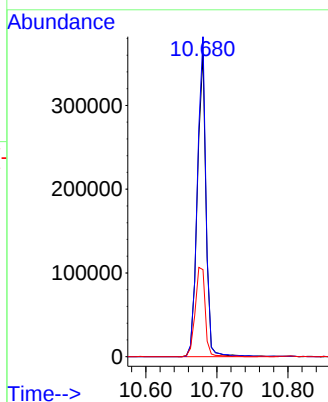
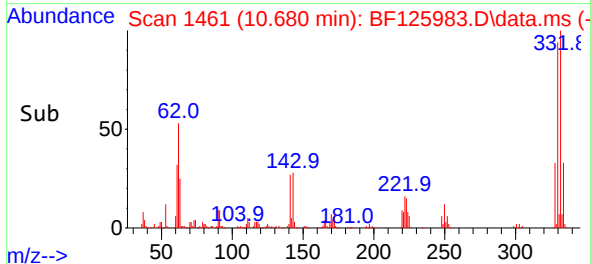
Instrument :
BNA_F
ClientSampled :
TH-FD



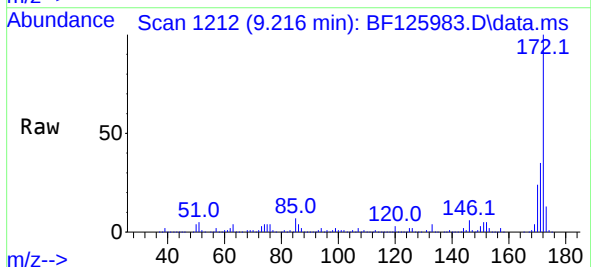
Tgt Ion: 330 Resp: 309211
Ion Ratio Lower Upper
330 100
332 104.2 76.2 114.4
141 34.1 44.6 66.8#

Manual Integrations
APPROVED

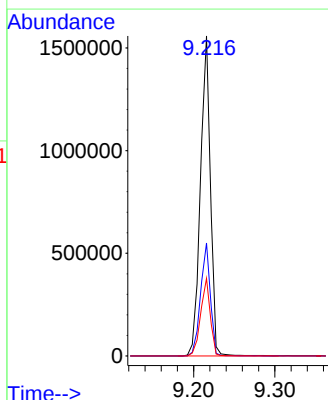
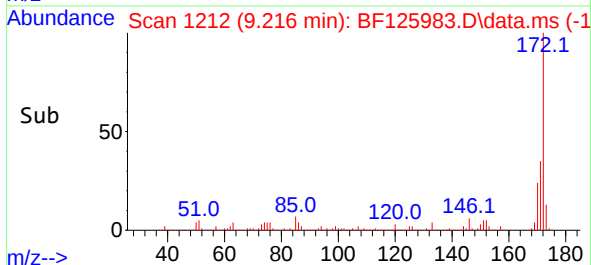
mohammad
10/29/2021 3:01:30 PM

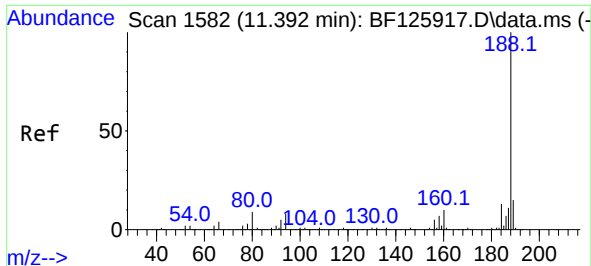


#45
2-Fluorobiphenyl
Concen: 65.992 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



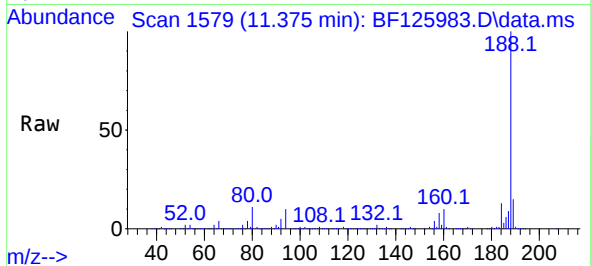
Tgt Ion: 172 Resp: 1336554
Ion Ratio Lower Upper
172 100
171 35.3 26.5 39.7
170 24.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

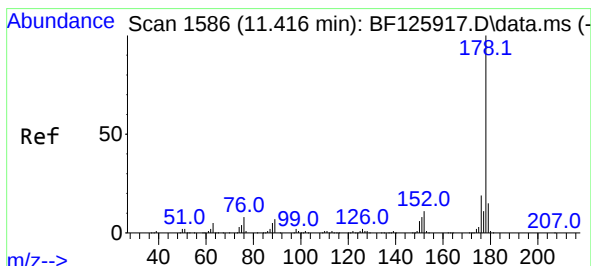
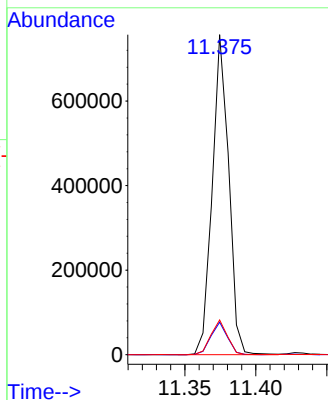
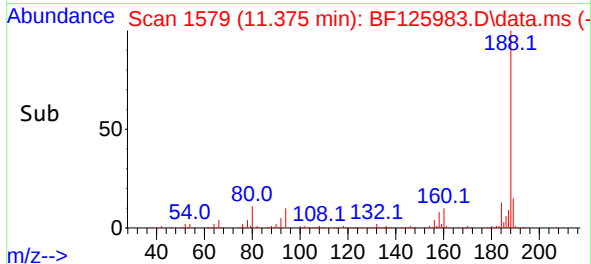
Instrument :
BNA_F
ClientSampled :
TH-FD



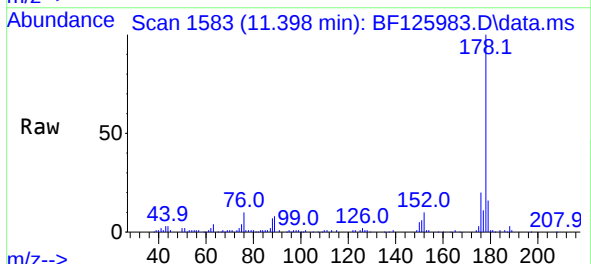
Tgt Ion:188 Resp: 608541
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1#
80 10.8 7.5 11.3

Manual Integrations
APPROVED

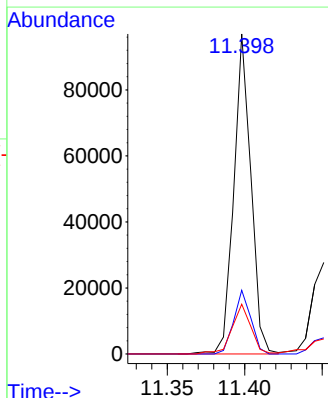
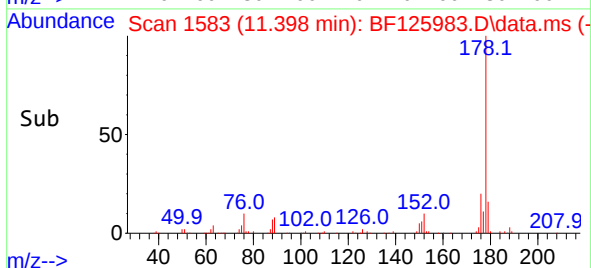
mohammad
10/29/2021 3:01:30 PM

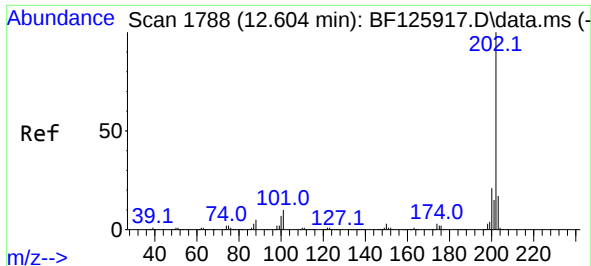


#71
Phenanthrene
Concen: 2.357 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



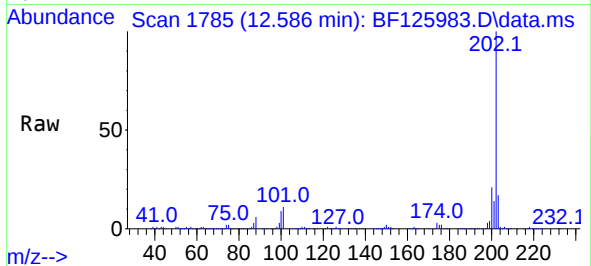
Tgt Ion:178 Resp: 74421
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.6 11.5 17.3





#75
Fluoranthene
Concen: 9.055 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

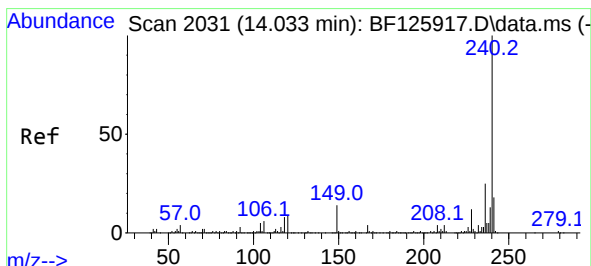
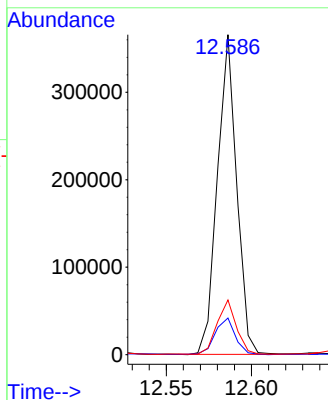
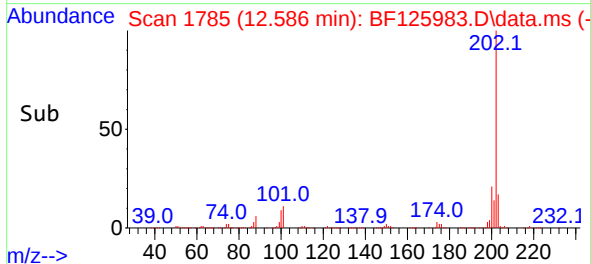
Instrument :
BNA_F
ClientSampled :
TH-FD



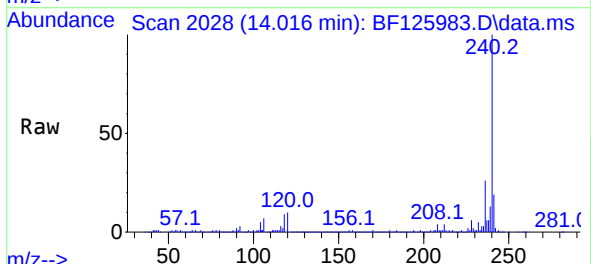
Tgt Ion:202 Resp: 288231
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 17.1 0.0 36.3

Manual Integrations
APPROVED

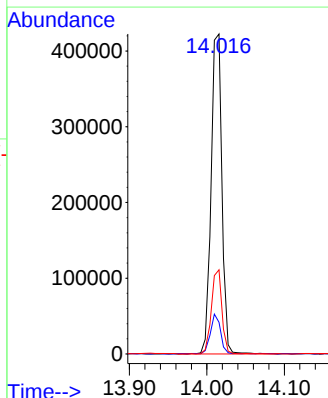
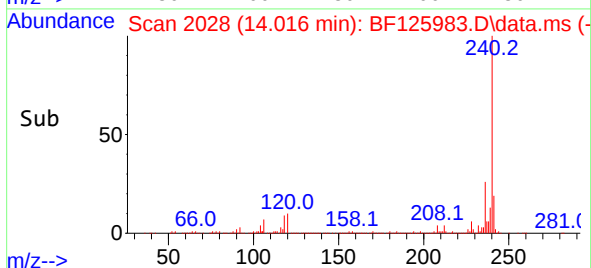
mohammad
10/29/2021 3:01:30 PM

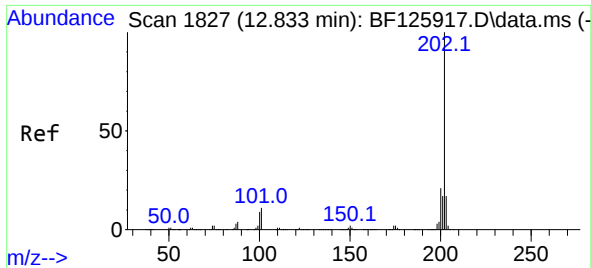


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



Tgt Ion:240 Resp: 410613
Ion Ratio Lower Upper
240 100
120 9.9 10.8 16.2#
236 26.3 21.6 32.4





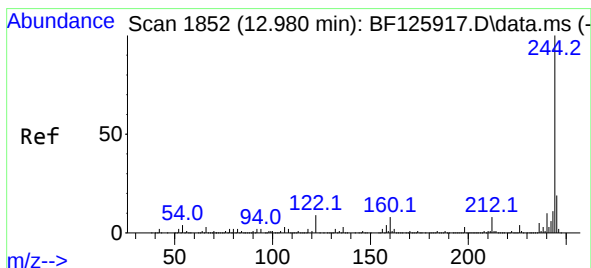
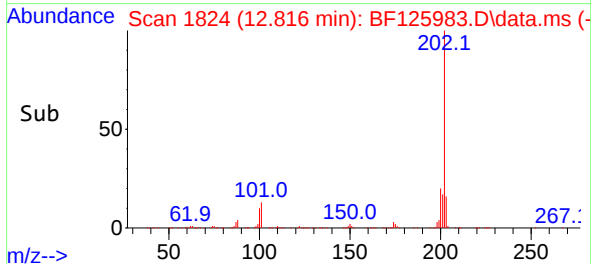
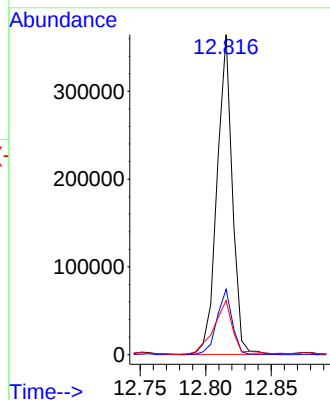
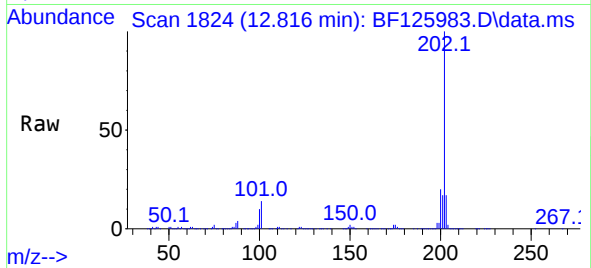
#78
Pyrene
Concen: 7.718 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:	202	Resp:	294920
Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.3	22.9
203	16.9	13.4	20.0

Instrument :
BNA_F
ClientSampled :
TH-FD

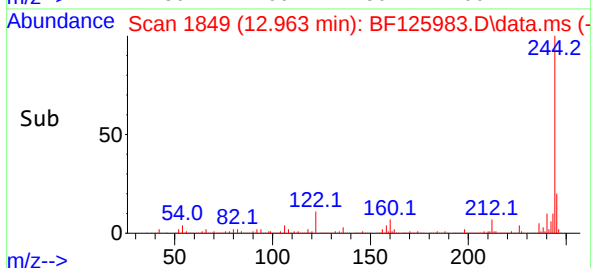
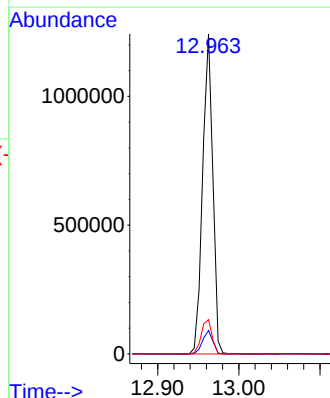
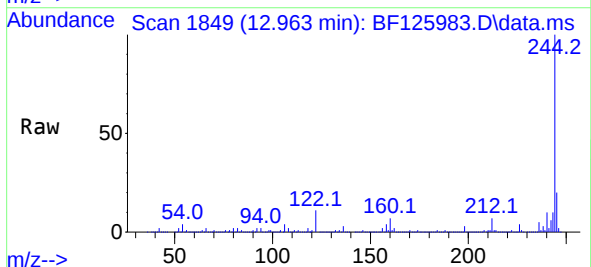
Manual Integrations
APPROVED

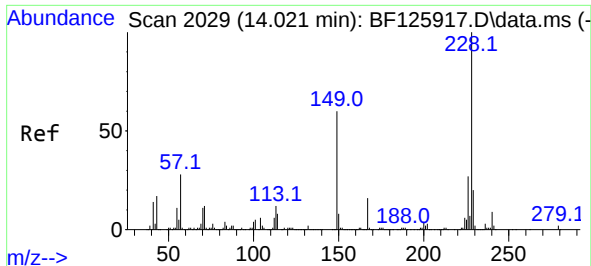
mohammad
10/29/2021 3:01:30 PM



#79
Terphenyl-d14
Concen: 43.034 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

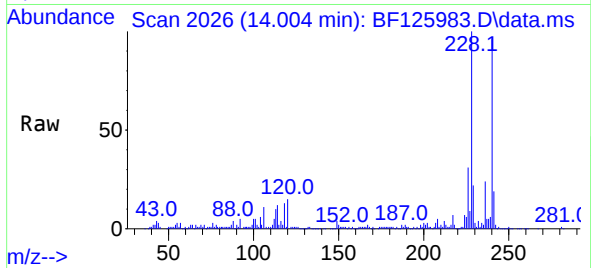
Tgt Ion:	244	Resp:	1080281
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.8	9.0	13.4





#81
Benzo(a)anthracene
Concen: 5.648 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

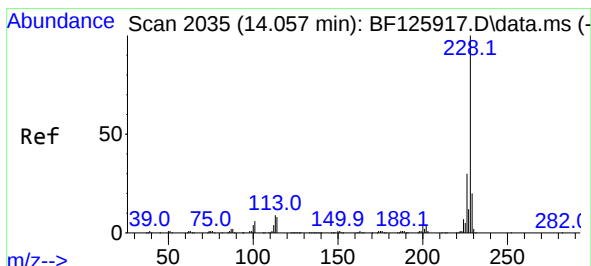
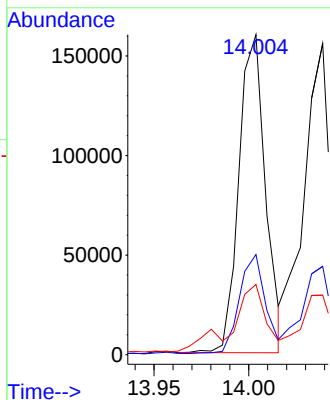
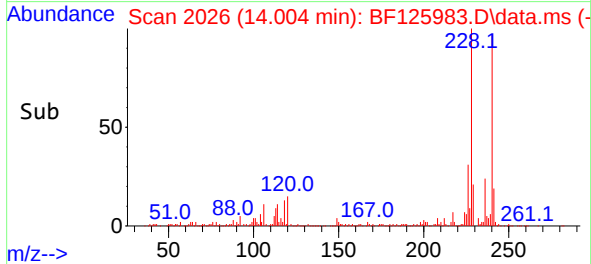
Instrument :
BNA_F
ClientSampled :
TH-FD



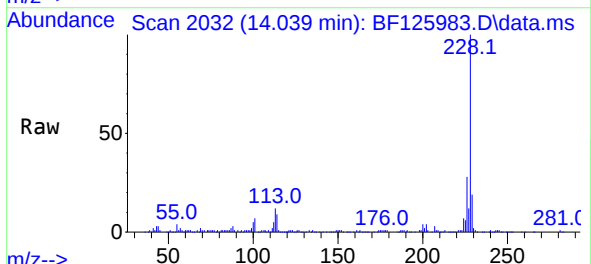
Tgt Ion:228 Resp: 156084
Ion Ratio Lower Upper
228 100
226 31.3 21.6 32.4
229 22.0 15.6 23.4

Manual Integrations
APPROVED

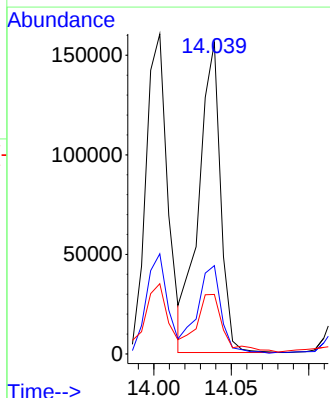
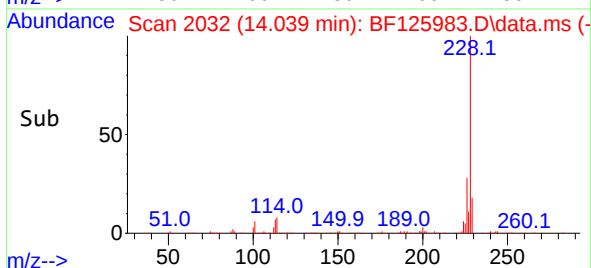
mohammad
10/29/2021 3:01:30 PM

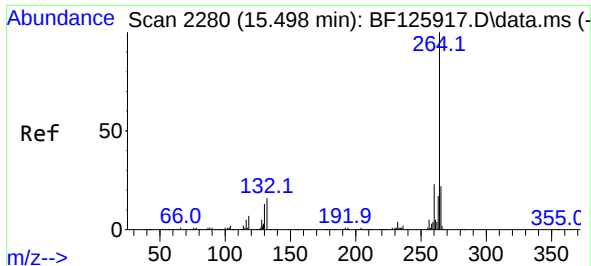


#83
Chrysene
Concen: 5.458 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



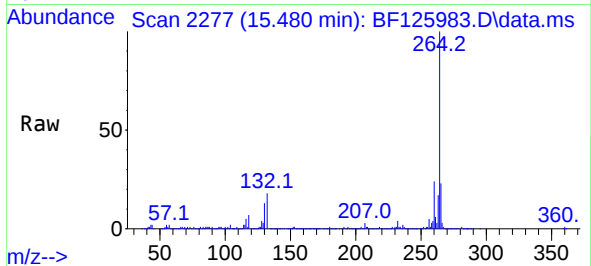
Tgt Ion:228 Resp: 152613
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 19.1 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

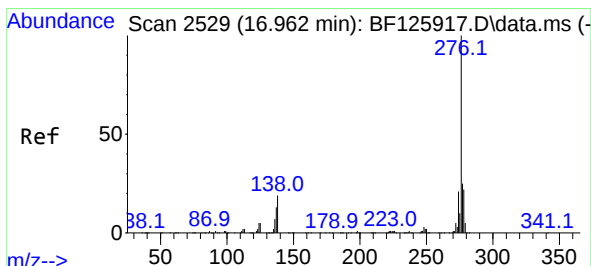
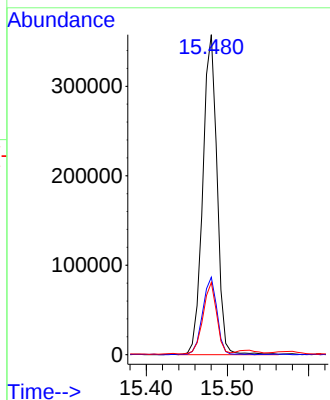
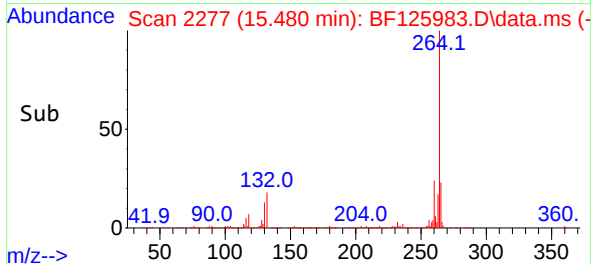
Instrument :
BNA_F
ClientSampled :
TH-FD



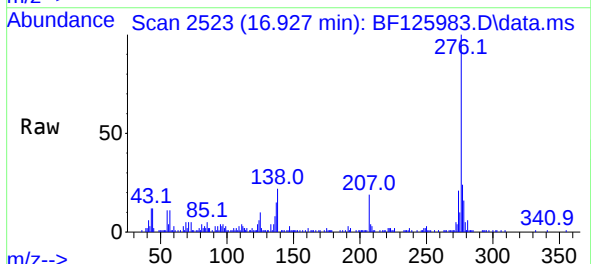
Tgt Ion:264 Resp: 436069
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 22.6 17.2 25.8

Manual Integrations
APPROVED

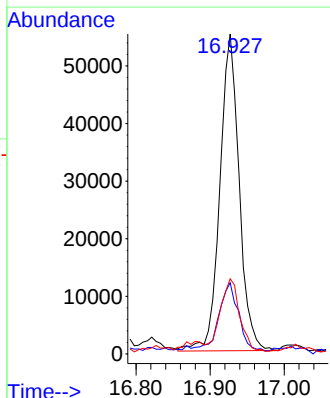
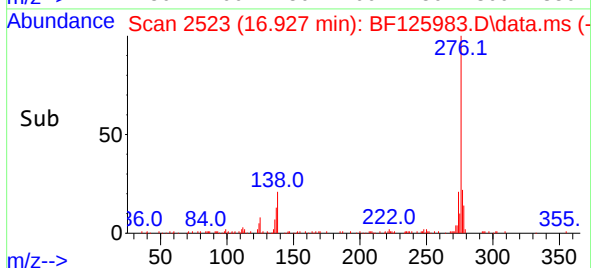
mohammad
10/29/2021 3:01:30 PM

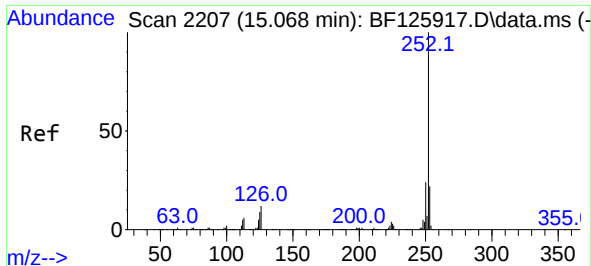


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.170 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.018 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



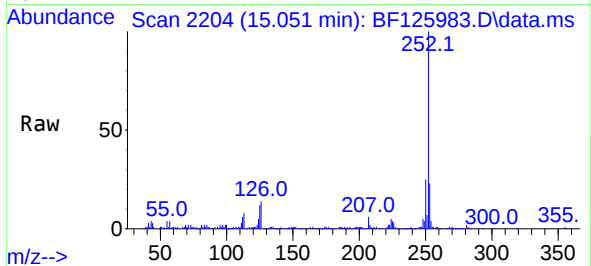
Tgt Ion:276 Resp: 99573
Ion Ratio Lower Upper
276 100
138 23.7 24.1 36.1#
277 24.4 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 7.903 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

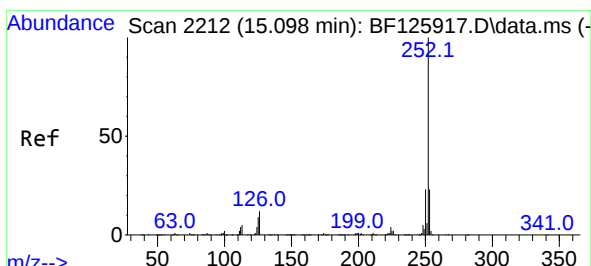
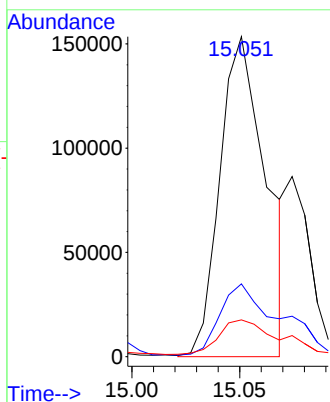
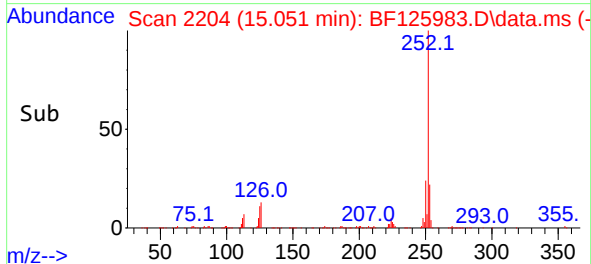
Instrument :
BNA_F
ClientSampled :
TH-FD



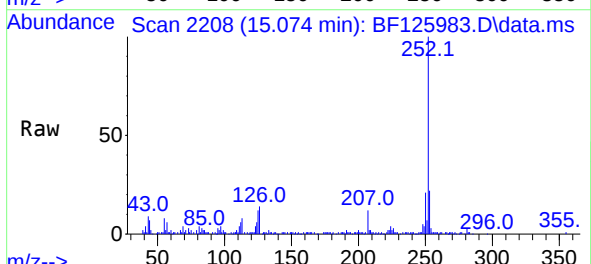
Tgt Ion:252 Resp: 227465
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 11.5 9.8 14.8

Manual Integrations
APPROVED

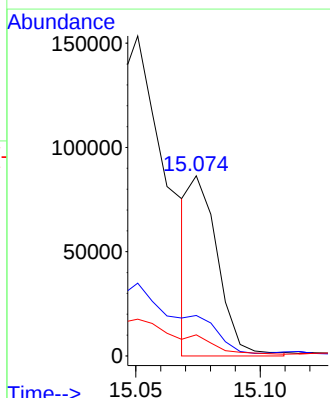
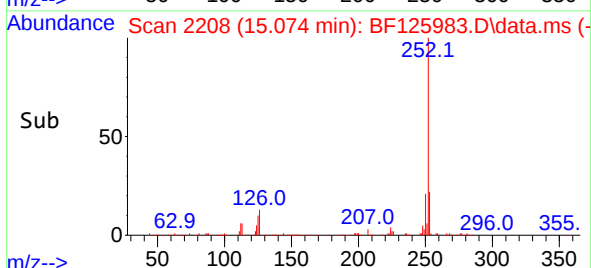
mohammad
10/29/2021 3:01:30 PM

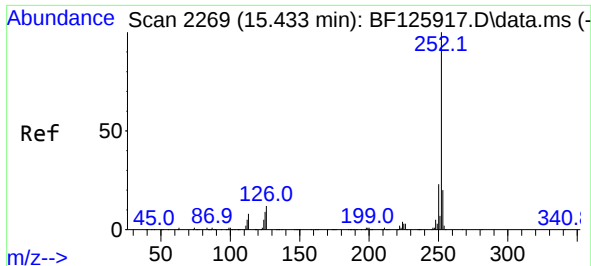


#89
Benzo(k)fluoranthene
Concen: 2.444 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30



Tgt Ion:252 Resp: 67571
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 11.8 7.2 10.8#





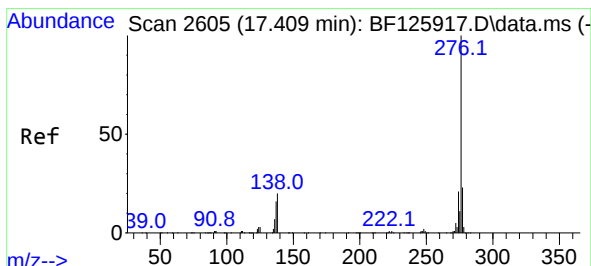
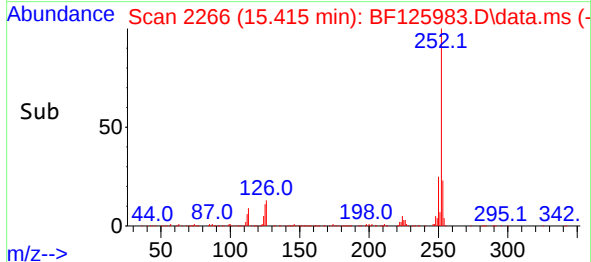
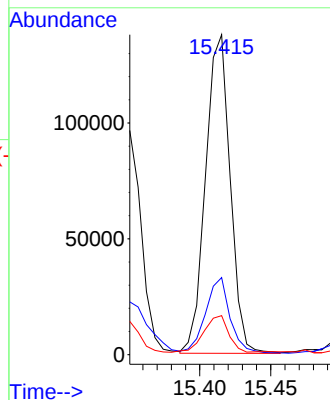
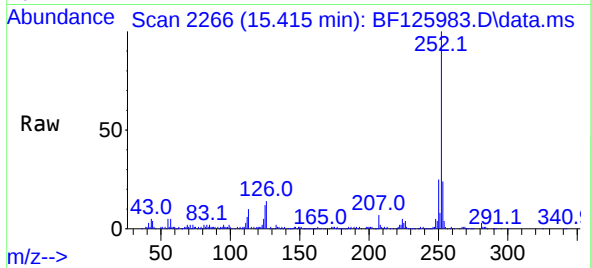
#90
Benzo(a)pyrene
Concen: 7.142 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion: 252 Resp: 165946
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 12.2 9.9 14.9

Instrument :
BNA_F
ClientSampled :
TH-FD

Manual Integrations
APPROVED

mohammad
10/29/2021 3:01:30 PM



#92
Benzo(g,h,i)perylene
Concen: 3.529 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.024 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion: 276 Resp: 93827
Ion Ratio Lower Upper
276 100
277 26.3 22.0 33.0
138 24.4 22.2 33.4

